MZ\_eRecept

Specifikacija\_Varnostna Shema: Integracija

Verzija 1.5.3

|  |  |
| --- | --- |
| Naročnik: | MZ |
| Oznaka dok.: | Specifikacija\_VS\_Integracija |
| Status: | Delovna verzija |
| Datum verzije: | **23. 07. 2018** |
| Avtor: | Sandi Horvat, Haris Škoro, David Balažic |
| Stopnja zaupnosti: | Zaupno |
| Vidnost | Naročnik/izvajalec |

zgodovina dokumenta

|  |  |  |  |
| --- | --- | --- | --- |
| Datum | Verzija | Opis | Avtor |
| 05. 09. 2013 | 0.9 | Dokument prestrukturiran v ločen dokument namenjen integratorjem Varnostne sheme | Sandi Horvat, Haris Škoro |
| 10. 09. 2013 | 1.0 | Dodani naslovi in sheme spletnih storitev | David Balažic |
| 19. 09. 2013 | 1.1 | Dodana metoda ping v WSDL vsAdmin | David Balažic |
| 23. 01. 2014 | 1.2 | WS userLogin: popravek opisa metod isUserTaxIdRegistered/ isUserEMSORegistered, registerCertificate/ registerCertificateEMSO | David Balažic |
| 29. 10. 2015 | 1.3 | Integracija prijave po standardu OAuth2, dopolnitev dokumentacije razširitev spletne storitve userLogin, posodobljena shema wsdl | Miha Gašperšič |
| 12. 09. 2016 | 1.4 | Posodobitev SAML odgovora, dodana podrobna razlaga atributov v SAML žetonu. Dopolnitev WSDL-ja za storitev VarnostnaSchemaAdminService in UserLoginService. | Rok Prodan |
| 02. 06. 2017 | 1.5 | Dopolnitev prijave preko HTTP POST bindinga, registrationService, errorUrl | Miha Gašperšič |
| 07. 07. 2017 | 1.5.1 | Posodobitev primera SAML odgovora in dopolnitev razlage atributov v SAML žetonu s KZZ številko. | Rok Prodan |
| 25.04.2018 | 1.5.1 | Nova funkcionalnost dodajanja Avtorizacijskega žetona v saml odgovor ob prijavi preko HTTP Post | Miha Gašperšič |
| 14.6.2018 | 1.5.2 | WS userLogin - dodani dve novi metodi: isUserRizddzIdRegistred in isUserRegistredWithinOrganization | Jernej Grosar |
| 23. 07. 2018 | 1.5.3 | Sprememba opisa SAML atributa, ki vsebuje VZD šifre uporabnika za posamezno organizacijo v avtorizacijskem SAML žetonu | Rok Prodan |

Vsebina

[1. Uvod 5](#_Toc512502450)

[1.1 Predpogoj 5](#_Toc512502451)

[1 Integracija spletnih aplikacij preko SSO 6](#_Toc512502452)

[1.1 CAS avtentikacija spletnih aplikacij preko spleta 6](#_Toc512502453)

[1.2 CAS avtentikacija spletnih aplikacij preko spletnih storitev 7](#_Toc512502454)

[1.3 Kombiniran postopek 8](#_Toc512502455)

[2 Vmesnik spletne storitve VS za aplikacije 8](#_Toc512502456)

[3. Prijava po standardu OAuth2 10](#_Toc512502457)

[3.1 Postopek prijave po OAuth2 10](#_Toc512502458)

[3.1.1 Pridobitev OAuth2 žetona 10](#_Toc512502459)

[3.1.2 Preverjanje pristnosti žetona 10](#_Toc512502460)

[3.2 Obravnava napak: 11](#_Toc512502461)

[4. SAML 2.0 in XACML vmesnik za potrebe napredne avtentifikacije in avtorizacije 11](#_Toc512502462)

[4.1 Podpora standardom 11](#_Toc512502463)

[4.2 Vmesniki 12](#_Toc512502464)

[4.2.1 HTTP POST binding 12](#_Toc512502465)

[4.2.2 WS-Trust 1.3 in SAML 2.0 14](#_Toc512502466)

[4.2.3 Spletni servis XACML 2.0 za evaluacijo pravil 18](#_Toc512502467)

[5. Vmesnik spletne storitve za administracijo uporabnikov 21](#_Toc512502468)

[6. Skupni podatkovni elementi 22](#_Toc512502469)

[7. Varnost 24](#_Toc512502470)

[8. Obravnavanje napak 24](#_Toc512502471)

[9. Produkcijsko in testno okolje 24](#_Toc512502472)

[10. Reference 25](#_Toc512502473)

[11. Pojmi 25](#_Toc512502474)

[12. Priloge 25](#_Toc512502475)

[12.1 WSDL za storitev UserLoginService 25](#_Toc512502476)

[12.2 WSDL za storitev VarnostnaSchemaAdminService 37](#_Toc512502477)

# Uvod

Ta dokument je namenjen razvijalcem, ki želijo integrirati svojo rešitev z Varnostno shemo, ki je v pristojnosti Ministrstva za Zdravje bila postavljena za potrebe projekta eRecept. Varnostna shema zagotavlja administracijo uporabnikov in njihovih vlog na posameznih aplikacijah. Dokument opisuje seznam vmesnikov za integracijo zunanjih aplikacij z Varnostno shemo, saj uporaba Varnostne sheme ni omejena zgolj na potrebe projekta eRecept.

Projekt eRecept predvideva vzpostavitev informacijske podpore za rešitev elektronskega predpisovanja in elektronske izdaje zdravil na nacionalnem nivoju s posodobitvijo obstoječih rešitev izvajalcev zdravstvene dejavnosti na primarni ravni in v lekarnah.

Namesto receptnih obrazcev v pisni obliki se bodo uporabljali elektronski receptni obrazci. Elektronski recepti bodo nastajali v lokalnih informacijskih sistemih pri izvajalcih zdravstvenih dejavnosti (ISI) in se bodo hranili v evidenci elektronskih receptov (EER). Ta bo služila tudi kot vir informacij za lekarne, kjer bodo na podlagi predpisanih receptov pacientom izdana zdravila.

## Predpogoj

Za razvijalce, ki bodo svojo rešitev integrirali z Varnostno shemo je ključno poznavanje koncepta in osnovnih entitet v Varnostni shemi:

* uporabnikov
* vlog (skupaj s pravicami, ki jih posamezna vloga vsebuje)
* organizacij
* aplikacij

Ta koncept je podrobneje opisan v uporabniških navodilih za Varnostno shemo, ki je ločen dokument [1].

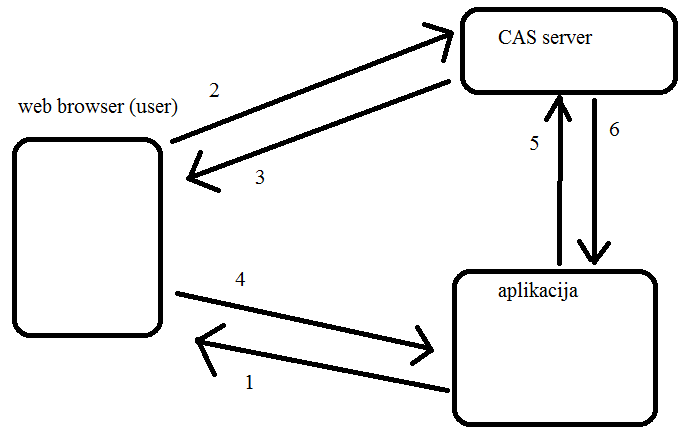
# Integracija spletnih aplikacij preko SSO

Spletna aplikacija, ki želi uporabljati SSO (single sign-on) rešitev od Varnostne sheme, lahko izbira med dvema programskima vmesnikoma. Prvi je podmnožica protokola CAS 2.0 [2] z nekaj razširitvami, drugi pa zelo podoben postopek, ki poteka preko spletnih storitev (*web service*). Aplikacija lahko uporabi enega ali drugega ali jih kombinira. Posamezni postopki so opisani v nadaljevanju.

## CAS avtentikacija spletnih aplikacij preko spleta

Aplikacija pri tem načinu svojo prijavno stran preusmeri na naslov [https://vs.cs.ezdrav.si/VS.web/login?service={serviceURL}](https://vs.cs.ezdrav.si/VS.web/login?service=%7bserviceURL%7d). Varnostna shema bo preverila ali je uporabniško digitalno potrdilo prijavljeno v Varnostno shemo. Nato bo vrnjen SSO žeton s katerim bo aplikacija lahko pridobila podatke o uporabniku in njegove pravice na tej aplikaciji. Vrednost žetona se bo aplikaciji vrnila preko redirecta na {serviceURL}.

V primeru, ko certifikat še ni prijavljen v Varnostno shemo se bo prikazala stran za prvo prijavo, kjer bo lahko uporabnik vnesel svojo kandidaturo za uporabo aplikacij registriranih v Varnostno shemo. Po potrditvi kandidature s strani administratorja bo prijava potekala na zgoraj opisan način.



Slika 1

Podrobnejši pregled postopka SSO CAS avtentikacije v spletnih aplikacijah preko spletnih strani (Slika 1):

1. Uporabnik gre na spletno stran aplikacije (<https://app.example.com/prijava>).
2. Aplikacija ugotovi da uporabnik še ni prijavljen in izvede preusmeritev (redirect) na spletni naslov CAS login (<https://vs.cs.ezdrav.si/VS.web/login?service=https%3A%2F%2Fapp.example.com%2FprijavaReturn>), pri čemer poda kot parameter svoj *service* URL, ki služi kot identifikacija aplikacije za VS ter URL kamor se bo preusmeril uporabnik po uspešni prijavi.
3. Uporabnik se identificira na prijavni spletni strani VS s svojim certifikatom in po potrebi (odvisno od nastavitev za aplikacijo v VS) z vpisom svojega gesla.
4. Po uspešni avtentikaciji uporabnika na strani VS se uporabnik preusmeri na podan URL z dodanim *service ticket*: <https://app.example.com/prijavaReturn?ticket=ST-1-0MiOi5JeHcdheqLCmC4f-vs.cs.ezdrav.si> (oblika *service ticket*-a je v skladu s CAS)

V tem koraku se na uporabnikov brskalnik shrani tudi *ticket-granting cookie*, ki mu omogoči avtomatsko prijavo na aplikacije, brez ponovnega vnašanja gesla.

1. Uporabnikov brskalnik zahteva od aplikacije dokument za URL iz prejšnje točke.
2. Aplikacija validira *servi*ce*-ticket* iz URL na CAS serverju na URL <https://vs.cs.ezdrav.si/VS.web/serviceValidate?service=https%3A%2F%2Fapp.example.com%2FprijavaReturn&ticket=ST-1-0MiOi5JeHcdheqLCmC4f-vs.cs.ezdrav.si>
3. VS vrne kot response XML datoteko, ki predstavlja uspešno/neuspešno avtentikacijo. V primeru, da je le-ta uspešna, vsebuje na primer *<cas:user>12345</cas:user>,* v celoti:

<cas:serviceResponse xmlns:cas='http://www.yale.edu/tp/cas'>

<cas:authenticationSuccess>

<cas:user>${certificate.id}</cas:user>

</cas:authenticationSuccess>

</cas:serviceResponse>

*${certificate.id}* predstavlja identifikator za uporabnika, je celo število. V primeru neuspešne validacije je odgovor XML z vsebino:

<cas:serviceResponse xmlns:cas='http://www.yale.edu/tp/cas'>

<cas:authenticationFailure code='INVALID\_TICKET'>

ticket not recognized

</cas:authenticationFailure>

</cas:serviceResponse>

V obeh primerih aplikacija odgovori na HTTP zahtevo iz točke 4 (spletna stran z besedilom »uspešno ste se prijavili« oziroma »prijava ni uspela«)

S tem je prijava zaključena. Velja opomniti, da je protokol CAS namenjen samo za avtentikacijo in ne tudi avtorizacijo (preverjanje vlog/pravic), ki jo je potrebno v tem primeru reševati drugače. Če aplikacija potrebuje še druge podatke o uporabniku, je potrebno le-te pridobiti preko vsAdmin VS.webservices.

## CAS avtentikacija spletnih aplikacij preko spletnih storitev

Ta način je podoben prej opisanemu s to razliko, da se vsa komunikacija odvija preko spletnih storitev. Potek in logika sta sicer enaka. Spletna storitev je UserLogin (glej poglavje 2).

Pregled postopka prijave uporabnika po korakih:

1. Uporabnik gre na stran aplikacije.
2. Aplikacija ugotovi da uporabnik še ni prijavljen, zato izvede klic metode *authenticateUser* v VS.webservices in poda uporabnikov certifikat, ime service-a (URL) ter po potrebi geslo, ki ga je uporabnik vtipkal. Pri tem aplikacija dobi nazaj SSOToken, ki vsebuje granting ticket.
3. Aplikacija z dobljenega granting ticketa SSOToken pokliče *grantUserService* in poda dva parametra: ime service-a ter granting ticket. Kot rezultat dobi nov SSOToken, ki predstavlja *service ticket*
4. Aplikacija preko *getValidatedUserInfo* in parametrov service ter service ticket (token) potrdi service ticket in kot rezultat dobi User objekt, ki vsebuje vse potrebne podatke o prijavljenem uporabniku.
5. Za logout se poklice *logout* metoda s parametrom granting ticket.

## Kombiniran postopek

Možna pa je tudi kombinacija opisanih postopkov avtentikacije in sicer se postopek avtentikacije preko spleta (1.1 CAS avtentikacija spletnih aplikacij preko spleta) uporabi od začetka do vključno točke 4 in se potem namesto *serviceValidate* kliče metoda v VS.webservices *getValidatedUserInfo* (točka 4 iz 1.2 CAS avtentikacija spletnih aplikacij preko spletnih storitev)

# Vmesnik spletne storitve VS za aplikacije

Na strani Varnostne sheme je za potrebe integracije drugih aplikacij v Varnostno shemo implementiran spletni servis za pridobivanje podatkov o uporabnikih in njegovih pravicah. WSDL: [https://vs.cs.ezdrav.si/VS.webservices/services/userLogin?wsdl](https://ezdravje.hsl.eu:8543/VS.webservices/services/userLogin?wsdl)

Spletna storitev podpira implementacijo naslednjih metod s strani Varnostne sheme:

* **boolean isUserCertificateRegistered (byte[] certificate)**
  + metoda *isUserCertificateRegistered()* preverja ali je dano digitalno potrdilo uporabnika registrirano v Varnostni shemi. V primeru napake implementacija sporoči opis napake skozi uporabo standardnega mehanizma soap fault.
* **boolean isUserTaxIdRegistered (byte[] certificate)**
  + metoda *isUserTaxIdRegistered* se uporablja za preverjanje ali je uporabnik z neko davčno prijavljen v Varnostno shemo. Davčno številko VS ugotovi iz certifikata, če mu uspe.
* **boolean isUserEMSORegistered (byte[] certificate)**
  + metoda *isUserEMSORegistered* se uporablja za preverjanje ali je uporabnik z nekim EMŠO prijavljen v Varnostno shemo. EMŠO VS ugotovi iz certifikata, če mu uspe.
* **void firstLogin (User user)**
  + metoda *firstLogin* se uporablja za oddajo kandidature uporabnika (oddaja vloge – prošnja za pravice).
* **User registerUser (User user, Long orgUnitId, Long roleId)**
  + metoda *registerUser* se uporablja za registracijo uporabnika v varnostno shemo za podporo aplikacije zVem. Metoda dinamično pridobi crp ter zzzs podatke uporabnika ter mu dodeli ustrezne role, ki jih posreduje klient.
* **User updateUser (byte[] certificate, String email, String phone, Long orgUnitId, Long roleId)**
  + metoda *updateUser* se uporablja za posodabljanje podatkov uporabnika. S spletno metodo lahko uporabniku posodobimo elektronski naslov, telefon, ter dodelimo pravice za posamezno aplikacijo. Če so posodobitve uspešne klientu nato vrnemo posodobljene podatke uporabnika.
* **void registerCertificate(byte[] certificate)** 
  + metoda *registerCertificate* se uporablja za registracijo novega digitalnega potrdila uporabnika**.** Če VS davčno številko ugotovi iz certifikata, na podlage te identificira uporabnika, kateremu se vpiše certifikat v bazo.
* **void registerCertificateEMSO(byte[] certificate)** 
  + metoda *registerCertificate* se uporablja za registracijo novega digitalnega potrdila uporabnika**.** Če VS EMŠO ugotovi iz certifikata, na podlage te identificira uporabnika, kateremu se vpiše certifikat v bazo.
* **SSOToken autenticateUser(byte[] certificate, String service, String password)**
  + metoda *autenticateUser* se uporablja za prijavo uporabnika v izbrano aplikacijo. Parameter password je opcijski in je odvisen od nastavitev aplikacije v Varnostni shemi. Vrača ticket-granting ticket.
* **SSOToken grantUserService(SSOToken token, String service)**
  + metoda *grantUserService* prejme ticket-granting ticket in vrne service-ticket
* **User getValidatedUserInfo(SSOToken token, String service)**
  + metoda *getValidatedUserInfo* se uporablja za pridobivanje uporabniških podatkov in njegovih pravic, ki jih ima uporabnik na izbrani aplikaciji. Parametra sta service-ticket in service.
* **void logout(SSOToken token)**
  + metoda *logout* se uporablja za preklic trenutno veljavnega uporabniškega SSO žetona (ticket-granting ticket).
* **boolean isUserRizddzIdRegistred(int userRizddzId)**
  + metoda *isUserRizddzIdRegistred* se uporablja za preverjanje ali podani uporabnik z RIZDDZ številko obstaja v podatkovni zbirki Varnostne Sheme.
* **boolean isUserRegistredWithinOrganization(int userRizddzId, int orgUnitRizddzId)**
  + metoda *isUserRegistredWithinOrganization* preveri ali ima uporrabnik s podano RIZDDZ številko zavedene kakršnekoli vloge na podani organizaciji (parameter orgUnitRizddzId). Parametra sta userRizddzId in orgUnitRizddzId.

# Prijava po standardu OAuth2

Varnostna shema podpira prijavo uporabnikov po standardu OAuth2. Implementacija sledi navodilom katera so opisana v RFC 6749.Trenutna implementacija podpira dve metodi in sicer izdajo žetona ter validacijo žetona. Vsi podatki se med varnostno shemo in klientom ob prijavi preko standarda OAuth2 izmenjujejo v obliki JSON.

## Postopek prijave po OAuth2

V kolikor želimo uporabnika/sistem prijaviti po protokolu OAuth2, moramo v prvem koraku ustrezno pridobiti oauth žeton, ter na podlagi izdanega žetoda le-tega validirati. Ob uspešni validaciji žetona lahko pridobimo dejanske podatke prijavljenega uporabnika.

Za prijavo po OAuth2 sta zanimiva naslednja spletna naslova:

- https://<streznik>/VS.webservices/rest/oauth2/token [izdaja žetona]

- https://<streznik>/VS.webservices/rest/oauth2/authorize [validacija žetona]

Za uspešno prijavo uporabnika ter pridobitev njegovih podatkov moramo v prvem koraku pridobiti oauth2 žeton ter nato preveriti pristnost le-tega.

### Pridobitev OAuth2 žetona

Uporabnik pokliče spletni naslov https://<strežnik>/**VS.webservices/rest/oauth2/token**, kjer je potrebno na zahtevek ustrezno nastaviti naslednje parametre:

- Query parameter »**service**«, podamo servisni url aplikacije za katero želimo uporabnika prijaviti

- Header parameter »**grant\_type**«, kot vrednost podamo »cert«

- Header parameter »**grant\_data**«, kot vrednost podamo base64 kodirano vrednost javnega ključa. Javni ključ se kodira vključno z začetnim (-----BEGIN CERTIFICATE-----) in končnim delom certifikata (-----END CERTIFICATE-----)

- Ustrezno **predložiti strežniški certifikat**, ki ima pravico klicati spletno metodo token

Ob uspešni prijavi uporabnika izdamo oauth2 žeton, kateri bo izgledal nekaj podobnega kot:

{"access\_token":"eyJhbGciOiJIUzUxMiJ9eyJpc3MiOiIxMjMuMTIzLjEyMy4xMjMiLCJleHAiOjE0NDQ4MzA3MTIsInN1YiI6IjEwMDAiLCJzZXJ2aWNlIjoiaHR0cHM6Ly9zZXJ2aXNuaS11cmwuYXBsaWthY2lqZS5zaSIsImFwcElkIjoyMDAwfQ.ZVISHlHcIBOGDt9c32uTxCQW0IG08x0TT6PGLNojOoISKwXnTVRfLr6pp9ITCmYs4TcO-AvVsqPzhzHmG436FA","expires\_in":1444830712149,"token\_type":"Bearer"}

Vrednost »**access\_token**« predstavlja žeton, s katerim uporabnika v naslednjem koraku avtoriziramo in pridobimo njegove podatke/pravice.

### Preverjanje pristnosti žetona

V kolikor želimo pridobiti podatke uporabnika moramo predtem žeton validirati. Za validacijo žetona je na voljo spletni naslov https://<strežnik>/**VS.webservices/rest/oauth2/authorize**, kjer je potrebno na zahtevek ustrezno nastaviti naslednje parametre:

- Header parameter »**Authorization**«, ki mu kot vrednost podamo »**Bearer <access\_token>**« ločeno s presledkom. Vrednost »<access\_token>« zamenjamo z žetonom izdanem v prvem koraku.

- Ustrezno **predložiti strežniški certifikat**, ki ima pravico klicati spletno metodo authorize

Ob uspešni validaciji žetona se nato v telesu odgovora vrnejo podatki o uporabniku, vključno z njegovimi pravicami.

Klicoči lahko tudi sam preveri oba izdana žetona, tako da izračuna hash vrednost vsebine posameznega izdanega žetona glede na podani »secret« ter ga primerja z zadnjim – tretjim – delom prejetega žetona. Secret je skonfiguriran na strani varnostne sheme katerega lahko klicoči pridobi s kontaktiranjem upravljalca varnostne sheme.

## Obravnava napak:

V kolikor se med procesiranjem prijave zgodi napaka, le-to vrnemo nazaj uporabniku v obliki JSON. Ustrezno se nastavit tudi »http status response code« glede na tip napake. Nastavljeni »http status response code« sledi standardom Rest API vmesnikov. Odgovor se interpretira kot napaka, če »http status code« ni enak 2xx ali 3xx.

Primer odgovora napake:

Status Code: 400 Bad Request

Content-Type: application/json

Date: Mon, 1 Jan 2015 01:01:01 GMT

{"source":"[API | SYSTEM]","message":"Opis napake"}

# SAML 2.0 in XACML vmesnik za potrebe napredne avtentifikacije in avtorizacije

## Podpora standardom

Varnostna shema podpira tudi SAML 2.0 in XACML protokol. Implementirani vmesniki s katerimi je mogoče uporabnika avtenticirati in avtorizirati so naslednji:

* SAML 2.0 - HTTP POST binding
* WS Trust 1.3
* XACML SOAP

Varnostna shema za podporo SAML 2.0, WS Trust 1.3 in XACML uporablja JBoss komponento PicketLink. Komponenta skrbi za manipulacijo podatkov posameznih standardov. Varnostna shema se povezuje s PicketLink knjižnico preko predvidenih vmesnikov, ki skrbijo za pridobivanje podatkov o uporabniku vključnjo z njegovimi pravicami.

## Vmesniki

### HTTP POST binding

Integracija preko HTTP POST bindinga je možen na način, da se v ciljno aplikacijo integrira način prijave preko SSO SAML 2.0 protokola. Aplikacija pripravi SAML 2.0 request in ga pošlje preko POST parametra Varnostni shemi na naslov <https://vs.cs.ezdrav.si/VS.web/login.htm>. SAML binding je podrobneje opisan v <http://docs.oasis-open.org/security/saml/v2.0/saml-bindings-2.0-os.pdf> poglavje 3.5.

Primer HTML kode za prijavo preko SAML 2.0:

<form method="post" action="https://storitve[-test].ezdrav.si/VS.web/login">

<input type="hidden" name="SAMLRequest" value="*request*" />

...

<input type="submit" value="Prijava" />

</form>

Po uspešni prijavi v Varnostno shemo le ta vrne na naslov, ki je definiran v SAMLRequest-u digitalno podpisan odgovor SAML response. Ciljna aplikacija mora preveriti digitalno podpisan SAMLResponse, ter nastaviti oz. narediti translacijo pravic iz Varnostne sheme v svoje aplikativne pravice.

V odgovoru SAML se trenutno vračajo podatki o uporabniškem profilu in sicer: uporabniško ime, ime, priimek, zzzs številka, email, telefonska številka, pravice ter javni ključ uporabnika s katerim je podal zahtevo po prijavi.

Prijava preko HTTP POST bindinga omogoča tudi **preusmerjanje uporabnika na vnosno formo za registracijo uporabniškega profila** izven aplikacije Varnostna shema. Klient ob prijavi poda query parameter **registrationService** ter v vrednosti spletni naslov, kjer se bo izrisala vnosna forma za registracijo uporabniškega profila. Klient mora nato sam dodatno poskrbeti, da ustrezno registrira uporabniški profil v Varnostni shemi s klici na ustrezne spletne metode.

Dodatno, ob **neuspešni prijavi uporabnika v Varnostni shemi**, prijava preko HTTP POST bindinga omogoča tudi **preusmeritev uporabnika na poljubno stran z napako**. Klient ob podanem zahtevku za prijavo poda query parameter **errorUrl** v katerem kot vrednost specificira naslov url maske za izpis napake.

Query parametra **registrationService** in **errorUrl** nista obvezna. V kolikor ob prijavi nista podana se napake ustrezno obravnavajo in zapisujejo na vmesniku Varnostne sheme.

Primer prijave preko SAML 2.0 z dodanima query parametrovma:

<form method="post" action="https://storitve[-test].ezdrav.si/VS.web/login?registrationService=https://idp.app.si/idp/registration&errorUrl=https://www.app.si/error">

<input type="hidden" name="SAMLRequest" value="*request*" />

...

<input type="submit" value="Prijava" />

</form>

#### Generiranje avtorizacijskega žetona

Prijava preko protokola HTTP Post omogoča dodajanje dodatnega elementa v SAML odgovor ob prijavi, v primeru, ko želi klicoči za uporabnika poleg avtentikacijskega žetona izdati tudi avtorizacijski žeton. V tem primeru mora uporabnik ob zahtevku po prijavi preko protokola HTTP Post podati nov parameter in sicer kot navaja naslednji primer:

<form method="post" action="https://storitve[-test].ezdrav.si/VS.web/login">

<input type="hidden" name="SAMLRequest" value="*request*" />

**<input type="hidden" name="AuthorizationRequest" value="*request*" />**

...

<input type="submit" value="Prijava" />

</form>

V zgornjem primeru je bil dodan nov element **AuthorizationRequest**, katerega vrednost mora biti v base64 znakovni niz pretvorjen opis XML, slednji pa mora slediti enakim standarom opisa, kot ga navaja dokumentacija za vmesnik PicketLinkSTS. Zgeneriramo XML na podlagi navodil opisanih v poglavju **4.2.2 WS-Trust 1.3 in SAML 2.0**. ter ga pretvorimo v base64 niz.

V primeru uspešnega grajenja avtorizacijskega žetona bo v odgovoru prijave preko protokola HTTP Post dodan nov atribut poimenovan »**AUTHORIZATION\_TOKEN**«, v katerem je vsebovan celoten avtorizacijski žeton sestavljen iz celotne sheme, kot jo definira odgovor spletnega vmesnika PicketLinkSTS. Celotna vsebina v atributu AUTHORIZATION\_TOKEN je pretovrjena v obliko base64. V kolikor želimo pridobiti izvorno vrednost tega žetona je potrebno celotno vsebino dekodirati.

V primeru, da se želi avtorizacijski žeton validirati na standardnem spletnem vmesniku PicketLinkSTS, je potrebno iz pretvorjenega avtorizacijskega žetona vzeti del <wst:SamlAssertion> ter slednjega posredovati validate metodi spletnega servisa PicketLinkSTS. Tukaj je potrebno **biti zelo pazljiv**, da se ob vzemu saml assertiona iz avtorizacijskega žetona vsebina saml assertiona nikakor ne spremeni (niti kakršno koli formatiranje, dodajanje novih vrstic, blank space-i) ker drugače se spremeni istovetnost žetona in tak žeton posledično ni več veljaven. Primer validacije avtorizacijskega žetona je tudi podrobneje opisan v priloženih povezavah v poglavju 4.2.2 WS-Trust 1.3 in SAML 2.0.

### WS-Trust 1.3 in SAML 2.0

Za potrebe avtorizacije in avtentikacije web servisov se lahko za integracijo z Varnostno shemo uporabi WS-Trust 1.3 in je implementiran po specifikaciji <http://docs.oasis-open.org/ws-sx/ws-trust/200512/ws-trust-1.3-os.html>. Uporabnik pred klicem web servisa pokliče spletni servis WS-Trust na Varnostni shemi, ki mu nato vrne podpisan SAML 2.0 response. Vsebina SAML 2.0 vsebuje identifikacijo uporabnika, ter njegove pravice (permissions). Naslov spletnega servisa je <https://vs.cs.ezdrav.si/VS.webservices/services/PicketLinkSTS>.

*Primer SAML zahtevka:*

<?xml version=**"1.0"** encoding=**"UTF-8"**?>

<soap:Envelope xmlns:soap=**"http://schemas.xmlsoap.org/soap/envelope/"**>

<soap:Header>

<Action xmlns=**"http://www.w3.org/2005/08/addressing"**>**http://docs.oasis-open.org/ws-sx/ws-trust/200512/RST/Issue**</Action>

<MessageID xmlns=**"http://www.w3.org/2005/08/addressing"**>**urn:uuid:ff08616b-599a-4cd4-9934-06d44a7396dd**</MessageID>

<To xmlns=**"http://www.w3.org/2005/08/addressing"**>**https://ezdravje.hsl.eu:8543/VS.webservices/services/PicketLinkSTS**</To>

<ReplyTo xmlns=**"http://www.w3.org/2005/08/addressing"**>

<Address>**http://www.w3.org/2005/08/addressing/anonymous**</Address>

</ReplyTo>

</soap:Header>

<soap:Body>

<wst:RequestSecurityToken xmlns:wst=**"http://docs.oasis-open.org/ws-sx/ws-trust/200512"**>

<wst:SecondaryParameters>

<t:TokenType xmlns:t=**"http://docs.oasis-open.org/ws-sx/ws-trust/200512"**>**http://docs.oasis-open.org/wss/oasis-wss-saml-token-profile-1.1#SAMLV2.0**</t:TokenType>

<t:KeyType xmlns:t=**"http://docs.oasis-open.org/ws-sx/ws-trust/200512"**>**http://docs.oasis-open.org/ws-sx/ws-trust/200512/PublicKey**</t:KeyType>

<t:KeySize xmlns:t=**"http://docs.oasis-open.org/ws-sx/ws-trust/200512"**>**256**</t:KeySize>

</wst:SecondaryParameters>

<wst:RequestType>**http://docs.oasis-open.org/ws-sx/ws-trust/200512/Issue**</wst:RequestType>

<wsp:AppliesTo xmlns:wsp=**"http://schemas.xmlsoap.org/ws/2004/09/policy"**>

<wsa:EndpointReference xmlns:wsa=**"http://www.w3.org/2005/08/addressing"**>

<wsa:Address>**https://zvem-test.ezdrav.si**</wsa:Address>

</wsa:EndpointReference>

</wsp:AppliesTo>

<wst:Renewing />

</wst:RequestSecurityToken>

</soap:Body>

</soap:Envelope>

*Primer SAML odgovora:*

<?xml version=**"1.0"** encoding=**"UTF-8"**?>

<SOAP-ENV:Envelope xmlns:SOAP-ENV=**"http://schemas.xmlsoap.org/soap/envelope/"**>

<SOAP-ENV:Header>

<Action xmlns=**"http://www.w3.org/2005/08/addressing"** />

<MessageID xmlns=**"http://www.w3.org/2005/08/addressing"**>**urn:uuid:63566812-4218-46fd-83c2-e70c3faee4fb**</MessageID>

<To xmlns=**"http://www.w3.org/2005/08/addressing"**>**http://www.w3.org/2005/08/addressing/anonymous**</To>

<RelatesTo xmlns=**"http://www.w3.org/2005/08/addressing"**>**urn:uuid:ff08616b-599a-4cd4-9934-06d44a7396dd**</RelatesTo>

</SOAP-ENV:Header>

<SOAP-ENV:Body>

<wst:RequestSecurityTokenResponseCollection xmlns:wst=**"http://docs.oasis-open.org/ws-sx/ws-trust/200512"**>

<wst:RequestSecurityTokenResponse>

<wst:TokenType>**http://docs.oasis-open.org/wss/oasis-wss-saml-token-profile-1.1#SAMLV2.0**</wst:TokenType>

<wst:Lifetime>

<wsu:Created xmlns:wsu=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"**>**2016-09-12T11:24:10.981Z**</wsu:Created>

<wsu:Expires xmlns:wsu=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"**>**2016-09-13T11:24:10.981Z**</wsu:Expires>

</wst:Lifetime>

<wsp:AppliesTo xmlns:wsp=**"http://schemas.xmlsoap.org/ws/2004/09/policy"**>

<wsa:EndpointReference xmlns:wsa=**"http://www.w3.org/2005/08/addressing"**>

<wsa:Address>**https://zvem-test.ezdrav.si**</wsa:Address>

</wsa:EndpointReference>

</wsp:AppliesTo>

<wst:KeySize>**256**</wst:KeySize>

<wst:KeyType>**http://docs.oasis-open.org/ws-sx/ws-trust/200512/PublicKey**</wst:KeyType>

<wst:RequestedSecurityToken>

<saml:Assertion xmlns:saml=**"urn:oasis:names:tc:SAML:2.0:assertion"** ID=**"ID\_21c6308f-6e68-4511-ae8d-53e73e413e51"** IssueInstant=**"2016-09-12T11:24:10.981Z"** Version=**"2.0"**>

<saml:Issuer>**VS-STS**</saml:Issuer>

<dsig:Signature xmlns:dsig=**"http://www.w3.org/2000/09/xmldsig#"**>

<dsig:SignedInfo>

<dsig:CanonicalizationMethod Algorithm=**"http://www.w3.org/2001/10/xml-exc-c14n#WithComments"** />

<dsig:SignatureMethod Algorithm=**"http://www.w3.org/2000/09/xmldsig#rsa-sha1"** />

<dsig:Reference URI=**"#ID\_21c6308f-6e68-4511-ae8d-53e73e413e51"**>

<dsig:Transforms>

<dsig:Transform Algorithm=**"http://www.w3.org/2000/09/xmldsig#enveloped-signature"** />

<dsig:Transform Algorithm=**"http://www.w3.org/2001/10/xml-exc-c14n#"** />

</dsig:Transforms>

<dsig:DigestMethod Algorithm=**"http://www.w3.org/2000/09/xmldsig#sha1"** />

<dsig:DigestValue>**uhA8B8atCoDuWw2zKX/PrFfPSAA=**</dsig:DigestValue>

</dsig:Reference>

</dsig:SignedInfo><dsig:SignatureValue>**JrJR9LtIq9QD2Z/zZdPWPpG8b08AJtKxgzr+b1If50y+mGkldwg5rFbAX0+57pgKK2QVD6upxvybys9kS9odx8hyuGAH2YZjxQLIj1xWKuN1050NfV4GwK7rjU+w8RsW1mcki13pyjCO2CQYBY+zS20+u8TaU/ffudnfv1Gbc8FmugwbToK5cjX++jZTmyxzbUW6Q2mWhjHVKliHBGAgNMRD82DaoxJmLEoyAXe1DAq4SIjjwAfR9yc8i1iNRzscNOmLiFjRlkj9VgDm7EpQPshr8ZnlxgQ/onO4nG4ExFS2dw3i9JLRwO1NEGMbmESKlWLTDm4zoWkIhr2klk9LvQ==**</dsig:SignatureValue>

<dsig:KeyInfo>

<dsig:KeyValue>

<dsig:RSAKeyValue><dsig:Modulus>**yie7Sl2gW9syIhrJBbSBKp4+2d2XluiXj2sgGC/AD4b3L6n50W5DpUv96eN2jUc/EHWEhiuY+Y+q+TI8xi8x+D0AVh4vR/z9nzB77aqUnMhX9vDa21+tTubWipq1yG9zbiwsyKp4IHbe2CF+p9RGRfZDwa3DCypwZ9L4RIBck5AKLG0i6ON0K7E6cuSTMc6Z7Gszi4FQbFNK1Qo+O8YreuJaJzj9stKRqA/vVpMvZ8Zoe6UK+gZj5AKLdRzTxpWfUn5VT9HGe6myoLxGoJxwEDpq67qdke7NThdT7cH/MWUgy6lMQyma2pzxKzmWHZfT/kEGsJXPqDM4cOKbeWQBOQ==**</dsig:Modulus>

<dsig:Exponent>**AQAB**</dsig:Exponent>

</dsig:RSAKeyValue>

</dsig:KeyValue>

</dsig:KeyInfo>

</dsig:Signature>

<saml:Subject>

<saml:NameID NameQualifier=**"urn:picketlink:identity-federation"**>**SERIALNUMBER=1237029718018 + CN=VS Uvoznik vlog, OU=Government, OU=web-certificates, O=state-institutions, C=si**</saml:NameID>

<saml:SubjectConfirmation Method=**"urn:oasis:names:tc:SAML:2.0:cm:holder-of-key"**>

<saml:SubjectConfirmationData>

<ds:KeyInfo xmlns:ds=**"http://www.w3.org/2000/09/xmldsig#"**>

<ds:X509Data><ds:X509Certificate>**MIIFazCCBFOgAwIBAgIFAKyYBmEwDQYJKoZIhvcNAQEFBQAwPTELMAkGA1UEBhMCc2kxGzAZBgNV**

**BAoTEnN0YXRlLWluc3RpdHV0aW9uczERMA8GA1UECxMIc2lnb3YtY2EwHhcNMTUwNjA0MTIzODEw**

**WhcNMjAwNjA1MDExODUwWjCBijELMAkGA1UEBhMCc2kxGzAZBgNVBAoTEnN0YXRlLWluc3RpdHV0**

**aW9uczEZMBcGA1UECxMQd2ViLWNlcnRpZmljYXRlczETMBEGA1UECxMKR292ZXJubWVudDEuMBQG**

**A1UEBRMNMTIzNzAyOTcxODAxODAWBgNVBAMTD1ZTIFV2b3puaWsgdmxvZzCCASIwDQYJKoZIhvcN**

**AQEBBQADggEPADCCAQoCggEBAMm+dH6VLNgXV4sgbOegWi7mrV2eg9pTBkqofjqc0iopNflFieIK**

**rK6lar1abv5t/pDSWPl8ZfDTHwVs2agM4h9ksTJ+uFdVmoQRHkecQWWHqZ6g5uGjgAw9At/ArRhQ**

**f8PzLbCxhWloZKbsi7KjmCa11fwliWAkLVYyMWuaRg6uRok+vZwv5zaUi6db88Y3QURNB+sP27CV**

**wu3P4cde4QTY8GrWwfhB8jux35L66Upq2BuzOO05Eer80N5E6MxDGTk0PKHrRtRIkDL4uGWH9Pgj**

**wvuishRpqQ7r0OB1E8iA+U5CZFejL4JyyXJ8aTbVwPLLUgnpyA9rBa7k60LDGOkCAwEAAaOCAiIw**

**ggIeMA4GA1UdDwEB/wQEAwIFoDBKBgNVHSAEQzBBMDUGCisGAQQBr1kBAQUwJzAlBggrBgEFBQcC**

**ARYZaHR0cDovL3d3dy5jYS5nb3Yuc2kvY3BzLzAIBgYEAIswAQIwGAYIKwYBBQUHAQMEDDAKMAgG**

**BgQAjkYBATAfBgNVHREEGDAWgRRzaW1vbi5pbmRpaGFyQGdvdi5zaTCB8QYDVR0fBIHpMIHmMFWg**

**U6BRpE8wTTELMAkGA1UEBhMCc2kxGzAZBgNVBAoTEnN0YXRlLWluc3RpdHV0aW9uczERMA8GA1UE**

**CxMIc2lnb3YtY2ExDjAMBgNVBAMTBUNSTDU1MIGMoIGJoIGGhldsZGFwOi8veDUwMC5nb3Yuc2kv**

**b3U9c2lnb3YtY2Esbz1zdGF0ZS1pbnN0aXR1dGlvbnMsYz1zaT9jZXJ0aWZpY2F0ZVJldm9jYXRp**

**b25MaXN0P2Jhc2WGK2h0dHA6Ly93d3cuc2lnb3YtY2EuZ292LnNpL2NybC9zaWdvdi1jYS5jcmww**

**KwYDVR0QBCQwIoAPMjAxNTA2MDQxMjM4MTBagQ8yMDIwMDYwNTAxMTg1MFowHwYDVR0jBBgwFoAU**

**HvjUU2uzgwbpBAZXAvmlv8ZYPHIwHQYDVR0OBBYEFB64lnrhiC2AjT80Qr7IcaRMU2PRMAkGA1Ud**

**EwQCMAAwGQYJKoZIhvZ9B0EABAwwChsEVjguMQMCA6gwDQYJKoZIhvcNAQEFBQADggEBAMi12SFD**

**/mUFf/cPVZXFF0tvJK7da2hArVd5jwbZWRXPzQSl7yGBJlwiY3i6UVVT1znd7lofNriShM5z9lg9**

**yohS4cS3+3a1R6VmBGwJulDBr/uXkF0ROfQn5mPQHvsSo+kqlBOauD59mc8g14QxOKYAZhpFw+09**

**/4OE5rnY5sagGk0FryvxJzmeAFte1Hk757zTQZBKJ0tWmi60OMVeHYY53+1JpW7SXIoSLSX5IEuj**

**P/ebQ5+Ijfwx47dP224jP6rN+z6zJ1cHKp5REeB5ofhATIrhTAfDkHzJZTyTdlzAEg/QUw/e/0L0**

**4jtQ+k2sLnPlzpyLqpiZgNxWlpm9cfo=**</ds:X509Certificate>

</ds:X509Data>

</ds:KeyInfo>

</saml:SubjectConfirmationData>

</saml:SubjectConfirmation>

</saml:Subject>

<saml:Conditions NotBefore=**"2016-09-12T11:24:10.981Z"** NotOnOrAfter=**"2016-09-13T11:24:10.981Z"**>

<saml:AudienceRestriction>

<saml:Audience>**https://zvem-test.ezdrav.si**</saml:Audience>

</saml:AudienceRestriction>

</saml:Conditions>

<saml:AuthnStatement AuthnInstant=**"2016-09-12T11:24:10.981Z"**>

<saml:AuthnContext>

<saml:AuthnContextClassRef>**urn:oasis:names:tc:SAML:2.0:cm:holder-of-key**</saml:AuthnContextClassRef>

</saml:AuthnContext>

</saml:AuthnStatement>

<saml:AttributeStatement>

<saml:Attribute Name=**"IdBPI"** />

<saml:Attribute Name=**"id"**>

<saml:AttributeValue xmlns:xs=**"http://www.w3.org/2001/XMLSchema"** xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xsi:type=**"xs:string"**>**206920**</saml:AttributeValue>

</saml:Attribute>

<saml:Attribute Name=**"email"** />

<saml:Attribute Name=**"name"**>

<saml:AttributeValue xmlns:xs=**"http://www.w3.org/2001/XMLSchema"** xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xsi:type=**"xs:string"**>**Uvoznik vlog Testko**</saml:AttributeValue>

</saml:Attribute>

<saml:Attribute Name=**"stevilkaKzz"** />

<saml:Attribute Name=**"role"**>

<saml:AttributeValue xmlns:xs=**"http://www.w3.org/2001/XMLSchema"** xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xsi:type=**"xs:string"**>**ZDRAVNIK\_SPECIALIST**</saml:AttributeValue>

</saml:Attribute>

<saml:Attribute Name=**"roleWithBPI"**>

<saml:AttributeValue xmlns:xs=**"http://www.w3.org/2001/XMLSchema"** xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xsi:type=**"xs:string"**>**ZDRAVNIK\_SPECIALIST|04161|04065|04001|04124|04066|04162|04058|04068|04030|04028|04067|04064|04062|04027|04128|04127|04070|04069|04063|04130|04129|04126|04125|04029**</saml:AttributeValue>

</saml:Attribute>

<saml:Attribute Name=**"orgUnitBPIWithTaxNumber"** />

<saml:Attribute Name=**"orgUnitBPIWithVzdCodes"** />

<saml:Attribute Name=**"bpiRoleFormat"**>

<saml:AttributeValue xmlns:xs=**"http://www.w3.org/2001/XMLSchema"** xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"** xsi:type=**"xs:string"**>**2.0**</saml:AttributeValue>

</saml:Attribute>

</saml:AttributeStatement>

</saml:Assertion>

</wst:RequestedSecurityToken>

<wst:RequestedAttachedReference>

<wsse:SecurityTokenReference xmlns:wsse=**"http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"** xmlns:wsse11=**"http://docs.oasis-open.org/wss/oasis-wss-wssecurity-secext-1.1.xsd"** wsse11:TokenType=**"http://docs.oasis-open.org/wss/oasis-wss-saml-token-profile-1.1#SAMLV2.0"**>

<wsse:KeyIdentifier ValueType=**"http://docs.oasis-open.org/wss/oasis-wss-saml-token-profile-1.1#SAMLID"**>**#ID\_21c6308f-6e68-4511-ae8d-53e73e413e51**</wsse:KeyIdentifier>

</wsse:SecurityTokenReference>

</wst:RequestedAttachedReference>

</wst:RequestSecurityTokenResponse>

</wst:RequestSecurityTokenResponseCollection>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

Podroben opis XML značk v elementu <saml:AttributeStatement>

1. <saml:Attribute Name=**"IdBPI"**> - idBPI uporabnika v VS
2. <saml:Attribute Name=**"id"**> - enoličen identifikator uporabnika v VS
3. <saml:Attribute Name=**"email"**> - naslov elektronske pošte uporabnika v VS
4. <saml:Attribute Name=**"name"**> - ime in priimek uporabnika v VS
5. <saml:Attribute Name=**"stevilkaKzz"**> - številka kartice zdravstvenega zavarovanja uporabnika v VS
6. <saml:Attribute Name=**"role"**> - seznam uporabniških pravic v VS
7. <saml:Attribute Name=**"roleWithBPI"**> - seznam uporabniških pravic ter pripadajoči idBpi identifikatorji organizacij, na katerih ima dani uporabnik VS te pravice
8. <saml:Attribute Name=**"orgUnitBPIWithTaxNumber"**> - množica idBpi identifikatorjev organizacijskih enot na katerih ima uporabnik VS pravice ter njihova davčna številka
9. <saml:Attribute Name=**"orgUnitBPIWithVzdCodes"**> - množica RIZDDZ identifikatorjev organizacijskih enot na katerih ima uporabnik VS določene VZD šifre. V primeru, da ima organizacijska enota v VS hierarhijo potem se v množico doda tudi RIZDDZ identifikator nadrejene enote z množico VZD šifer, ki jih imajo njene podrejene enote. Če je organizacijska struktura 3- in več nivojska se enako naredi do najvišjega (korenskega) nivoja.
10. <saml:Attribute Name=**"bpiRoleFormat"**> - podatek, ki določa format zapisa vrednosti v atributih **role** in **roleWithBPI**

Pri izdajanju SAML žetona glede na vrednost HTTP header parametra **user-agent** v zahtevku vračamo dva formata seznama uporabniških pravic.

Oblika starega seznama:

<saml:Attribute Name=**"roleWithBPI"**>

<saml:AttributeValue><%ID\_BPI\_ORG\_1%>**|**<%PERMISSION\_NAME\_1%></saml:AttributeValue>

<saml:AttributeValue><%ID\_BPI\_ORG\_2%>**|**<%PERMISSION\_NAME\_1%></saml:AttributeValue>

<saml:AttributeValue><%ID\_BPI\_ORG\_2%>**|**<%PERMISSION\_NAME\_2%></saml:AttributeValue>

<saml:AttributeValue><%ID\_BPI\_ORG\_3%>**|**<%PERMISSION\_NAME\_1%></saml:AttributeValue>

</saml:Attribute Name=**"roleWithBPI"**>

Oblika novega seznama:

<saml:Attribute Name=**"roleWithBPI"**> <saml:AttributeValue><%ID\_BPI\_ORG\_1%>**|**<%PERMISSION\_NAME\_1%>**|**<%PERMISSION\_NAME\_2%>**|**<%PERMISSION\_NAME\_3%>**|**<%PERMISSION\_NAME\_4%></saml:AttributeValue>

<saml:AttributeValue><%ID\_BPI\_ORG\_2%>**|**<%PERMISSION\_NAME\_1%>**|**<%PERMISSION\_NAME\_2%></saml:AttributeValue>

</saml:Attribute Name=**"roleWithBPI"**>

### Spletni servis XACML 2.0 za evaluacijo pravil

Varnostna shema podpira XACML vključno z verzijo 2.0. XACML ali *eXtensible Access Control Markup Language* definira jezik, ki omogoča definicijo pravil za napredne avtorizacijske scenarije. Uporabi se lahko na način, da aplikacija svojo logiko preverjanja pravic uporabnikov ne vzdržuje pri sebi, ampak se jo definira na centralnem mestu (v Varnostni shemi) in se ob preverjanju pravic uporabnika vsakokrat kliče evaluacija pravil na strani VS. Pravila definirajo relacije med atributi Subject (kdo?), Resource (nad čem?), Action (kaj?) in Enviroment (okolje/pod katerimi pogoji?). Pravila morajo biti definirana v skladu z <https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=xacml#XACML20>. Varnostna shema omogoča hranjenje in evaluacijo tako napisanih pravil. Spletni servis za evaluacijo predpripravljenih pravil se nahaja na <https://vs.cs.ezdrav.si/VS.webservices/services/SOAPSAMLXACMLPDP>.

Primer preprostega pravila:

<Rule Effect="Deny" RuleId="rule-deny ">

<Target>

<Subjects>

<AnySubject/>

</Subjects>

<Resources>

<Resource>

<AnyResource/>

</Resource>

</Resources>

<Actions>

<Action>

<ActionMatch MatchId="urn:oasis:names:tc:xacml:1.0:function:string-equal">

<AttributeValue DataType="http://www.w3.org/2001/XMLSchema#string">customAttribute</AttributeValue>

<ActionAttributeDesignator AttributeId="urn:oasis:names:tc:xacml:1.0:action:action- id" MustBePresent="false" DataType="http://www.w3.org/2001/XMLSchema#string"/>

</ActionMatch>

</Action>

</Actions>

</Target>

</Rule>

Primer klica spletnega servisa:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http:**//**schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header/>

<SOAP-ENV:Body>

<samlp:RequestAbstract ID="ID\_521a4265-d2b0-4036-a248-5bdb551bfb06" IssueInstant="2013-04-09T08:21:14.996Z" Version="2.0" xacml-samlp:InputContextOnly="true" xacml-samlp:ReturnContext="true" xsi:type="xacml-samlp:XACMLAuthzDecisionQueryType" xmlns="urn:oasis:names:tc:xacml:2.0:context:schema:os" xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" xmlns:samlp="urn:oasis:names:tc:SAML:2.0:protocol" xmlns:xacml-samlp="urn:oasis:xacml:2.0:saml:protocol:schema:os" xmlns:xs="http:**//**www.w3.org/2001/XMLSchema" xmlns:xsi="http:**//**www.w3.org/2001/XMLSchema-instance">

<saml:Issuer>testIssuer</saml:Issuer>

<Request xmlns:ns2="urn:oasis:names:tc:xacml:2.0:policy:schema:os">

<Subject SubjectCategory="urn:oasis:names:tc:xacml:1.0:subject-category:access-subject">

<Attribute AttributeId="urn:oasis:names:tc:xacml:1.0:subject:subject-id" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Doctor, Bob I</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:subject:role" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Physician</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:subject:hl7:permission" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-010</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-012</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-017</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-005</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-003</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-009</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-006</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:oasis:names:tc:xacml:1.0:subject:locality" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Facility A</AttributeValue>

</Attribute>

</Subject>

<Resource>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:resource:hl7:type" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:resource:hl7:medical-record</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:subject:hl7:permission" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-010</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-012</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-005</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-003</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:resource:hl7:confidentiality-code" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>MA</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:resource:hl7:radiology:dissented-subject-id" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Doctor, Bob I</AttributeValue>

</Attribute>

</Resource>

<Action>

<Attribute AttributeId="urn:oasis:names:tc:xacml:1.0:action:action-id" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>read</AttributeValue>

</Attribute>

</Action>

<Environment>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:environment:locality" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Facility A</AttributeValue>

</Attribute>

</Environment>

</Request>

</samlp:RequestAbstract>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

Primer odgovora spletnega servisa:

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http:**//**schemas.xmlsoap.org/soap/envelope/">

<SOAP-ENV:Header/>

<SOAP-ENV:Body>

<samlp:Response ID="ID\_562ae598-7c03-4434-aee8-e287c200fc8a" IssueInstant="2013-05-03T12:17:20.925Z" Version="2.0" xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" xmlns:samlp="urn:oasis:names:tc:SAML:2.0:protocol">

<saml:Issuer>urn:jboss-identity</saml:Issuer>

<dsig:Signature xmlns:dsig="http:**//**www.w3.org/2000/09/xmldsig**#**">

<dsig:SignedInfo>

<dsig:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#WithComments"/>

<dsig:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1"/>

<dsig:Reference URI="#ID\_562ae598-7c03-4434-aee8-e287c200fc8a">

<dsig:Transforms>

<dsig:Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"/>

<dsig:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>

</dsig:Transforms>

<dsig:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>

<dsig:DigestValue>1j7pIvDWdpAFYeRjX3c+xCJK6GM=</dsig:DigestValue>

</dsig:Reference>

</dsig:SignedInfo>

<dsig:SignatureValue>KI5wluKxC5HmcTX/5uaYFiu0Ma792dPj/IqjI87FJPSX4Gxxmc8+Pl0aXv0lHTYEjVGazeFAeuJtl/cvIqGrwV+52k+mZtwu0/sNJsOcvEcLyP3Q8RC+sC2CMWsNqSW4rjRRetZjqqUFVnXQsGqg0929F5gvuYWiyhxE1o7mIFs=</dsig:SignatureValue>

<dsig:KeyInfo>

<dsig:KeyValue>

<dsig:RSAKeyValue>

<dsig:Modulus>jYRUWybnezuoKeE+/b4d+SjOgZMsSd+KIXXRF59Iw+KTlZiOkDU51fhHauySgr0W1FvxoJptnF1s0/NKqGviOeXtoQvsLoQf6rKmo8VrqlDUynXXmhM/V8i2FDGqfyz0pFAaRWhjSX+C44NUoet25n8K7Vx/8Ka1rNCONdCv9nU=</dsig:Modulus>

<dsig:Exponent>AQAB</dsig:Exponent>

</dsig:RSAKeyValue>

</dsig:KeyValue>

</dsig:KeyInfo>

</dsig:Signature>

<samlp:Status>

<samlp:StatusCode Value="urn:oasis:names:tc:SAML:2.0:status:Success"/>

</samlp:Status>

<saml:Assertion ID="ID\_562ae598-7c03-4434-aee8-e287c200fc8a" IssueInstant="2013-05-03T12:17:20.914Z" Version="2.0" xmlns="urn:oasis:names:tc:SAML:2.0:assertion">

<saml:Issuer>urn:jboss-identity</saml:Issuer>

<saml:Statement xsi:type="xacml-saml:XACMLAuthzDecisionStatementType" xmlns:xacml-saml="urn:oasis:xacml:2.0:saml:assertion:schema:os" xmlns:xacml-samlp="urn:oasis:xacml:2.0:saml:protocol:schema:os" xmlns:xsi="http:**//**www.w3.org/2001/XMLSchema-instance">

<Response xmlns="urn:oasis:names:tc:xacml:2.0:context:schema:os" xmlns:ns2="urn:oasis:names:tc:xacml:2.0:policy:schema:os">

<Result ResourceId="">

<Decision>Deny</Decision>

<Status>

<StatusCode Value="urn:oasis:names:tc:xacml:1.0:status:ok"/>

</Status>

</Result>

</Response>

<Request xmlns="urn:oasis:names:tc:xacml:2.0:context:schema:os" xmlns:ns2="urn:oasis:names:tc:xacml:2.0:policy:schema:os">

<Subject SubjectCategory="urn:oasis:names:tc:xacml:1.0:subject-category:access-subject">

<Attribute AttributeId="urn:oasis:names:tc:xacml:1.0:subject:subject-id" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Doctor, Bob I</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:subject:role" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Physician</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:subject:hl7:permission" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-010</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-012</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-017</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-005</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-003</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-009</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-006</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:oasis:names:tc:xacml:1.0:subject:locality" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Facility A</AttributeValue>

</Attribute>

</Subject>

<Resource>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:resource:hl7:type" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:resource:hl7:medical-record</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:subject:hl7:permission" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-010</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-012</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-005</AttributeValue>

<AttributeValue>urn:va:xacml:2.0:interop:rsa8:hl7:prd-003</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:resource:hl7:confidentiality-code" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>MA</AttributeValue>

</Attribute>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:resource:hl7:radiology:dissented-subject-id" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Doctor, Bob I</AttributeValue>

</Attribute>

</Resource>

<Action>

<Attribute AttributeId="urn:oasis:names:tc:xacml:1.0:action:action-id" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>read</AttributeValue>

</Attribute>

</Action>

<Environment>

<Attribute AttributeId="urn:va:xacml:2.0:interop:rsa8:environment:locality" DataType="http://www.w3.org/2001/XMLSchema#string" Issuer="testIssuer">

<AttributeValue>Facility A</AttributeValue>

</Attribute>

</Environment>

</Request>

</saml:Statement>

</saml:Assertion>

</samlp:Response>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

# Vmesnik spletne storitve za administracijo uporabnikov

Na strani Varnostne sheme je implementirana spletna storitev, ki je namenjena administraciji VS preko drugih aplikacij. Ta spletni servis se za integracijske namene aplikacij praviloma ne uporablja in je zgolj na voljo v primeru, če bi neka aplikacija morala izvajati tudi "naprednejše" operacije, kot so dodajanje in spreminjanje uporabnikov, organizacij in podobno.

vsAdmin, WSDL: <https://vs.cs.ezdrav.si/VS.webservices/services/vsAdmin?wsdl>

Spletna storitev podpira naslednje metode:

* **VSEntity createEntity(SSOToken token, VSEntity entity)**
  + metoda *createEntity*se uporablja za vpis novih podatkov v Varnostno shemo. Preko te metode se lahko vpisujejo entitete, ki dedujejo iz VSEntity:
    - Uporabnike
    - Uporabniške vloge
    - Uporabniške certifikate
    - Vloge
    - Operacije
    - Vire
    - Aplikacije
    - ... (povezave med njimi)
* **VSEntity[] createEntities(SSOToken token, VSEntity[] entity)**
  + metoda *createEntities* se uporablja za vpis večjega števila novih podatkov v Varnostno shemo.
* **VSEntity updateEntrity(SSOToken token, VSEntity[] entity)**
  + metoda *updateEntity* se uporablja za popravljanje zapisa v Varnostni shemi.
* **VSEntity[] updateEntrities(SSOToken token, VSEntity[] entity)**
  + metoda *updateEntities* se uporablja za popravljanje večjega števila obstoječih podatkov v Varnostni shemi.
* **void deleteEntrity(SSOToken token, VSEntity entity)**
  + metoda *deleteEntity* se uporablja za brisanje zapisa v Varnostni shemi.
* **void deleteEntities(SSOToken token, VSEntity[] entity)**
  + metoda *deleteEntities* se uporablja za brisanje večjega števila obstoječih podatkov v Varnostni shemi.
* **VSEntity[] listEntrities(SSOToken token, EntityFilter[] entityFilter)**
  + metoda *listEntities* se uporablja za popravljanje večjega števila obstoječih podatkov v Varnostni shemi.

# Skupni podatkovni elementi

Vsaka entiteta v Varnostni shemi izhaja iz podatkovnega elementa VSElement.

Definicija vsEntity elementa:

* Id - id posameznega elementa

Definicija Application elementa:

* applicationName – ime aplikacije
* applicationDesc – opis aplikacije
* appicationOrganization – organizacija aplikacije
* parentAppication – nadrejena aplikacija
* childrenApplications – podrejene aplikacije
* passwordRequired – ali je vstopno geslo zahtevano za aplikacijo

Definicija ApplicationRole elementa:

* Application – aplikacija na katero se vloga navezuje
* Role – povezava na vlogo uporabnika

Definicija Certificate elementa:

* User – povezava na uporabnika
* serialNumber – serijska številka uporabnika
* CertificateIssuer – izdajatelj digitalnega potrdila

Definicija CertificateIssuer elementa:

* issuerDn – enolični identifikator izdajatelja digitalnega potrdila
* issuerKey – ključ izdajatelja digitalnega potrdila (Certificate Subject Key ID)

Definicija OrgUnitType elementa:

* name – oznaka tipa organizacije (Banka, DZU, ...)
* description – opis oznake tipa organizacije

Definicija Organization elementa:

* organizationUnitId -
* OrgUnitType – tip organizacije/vira
* parentOrgUnitId – povezava na nadrejeno organizacijo/vir
* name – ime organizacije/vira
* taxId – davčna številka organizacije/vira
* registrationNumber – matična številka organizacije/vira

Definicija Permission elementa:

* name – oznaka tipa pravice
* description – opis oznake tipa pravice

Definicija Role elementa:

* name – oznaka tipa vloge
* description – opis oznake tipa vloge
* parentRole – nadrejena vloga
* roles – seznam vsebovanih vlog
* permissions – seznam vsebovanih pravic

Definicija User elementa:

* firstName – ime uporabnika
* lastName – priimek uporabnika
* taxId – davčna uporabnika
* registrationNumber – EMŠO uporabnika
* eMail – poštni naslov uporabnika
* status – status uporabnika (aktiven, neaktiven, v odobravanju)
* certificates – seznam uporabniških certifikatov
* roles – seznam uporabniških pravic na aplikaciji

Definicija EntityFilter elementa:

* fieldName – ime polja po kateremu se išče
* operation – tip atomarične operacije
* values – seznam možnih vrednosti

Definicija VSToken elementa:

* tokenValue – vrednost SSO prijavnega žetona

# Varnost

Vse strani vpletene v komunikacijo z aplikacijo Varnostna shema morajo podpirati protokol HTTPS za vzpostavitev varne povezave med sodelujočimi informacijskimi sistemi. Uporabnik spletnega servisa se mora identificirati z veljavnim digitalnim potrdilom (certifikatom), ki je registriran v Varnostni shemi kot sistemski uporabnik. Za prenos podatkov po tako vzpostavljeni povezavi je uporabljena metoda POST.

Pri vzpostavitvi integracije s posamezno aplikacijo je potrebno izmenjati informacije o javnih ključih digitalnih potrdil, ki bodo uporabljena tako za vzpostavitev varne SSL seje (strežniška digitalna potrdila) kot za avtentikacijo klicateljev (odjemalska digitalna potrdila).

# Obravnavanje napak

Določene operacije, vrednosti vhodnih parametrov, poslovna pravila, itd. lahko povzročijo, da spletna storitev ne bo mogla izvesti želene operacije. Varnostna shema bo ob prejemu paketa preveril skladnost s predpisano shemo ter v primeru napake javil napako. Sistemske napake kot so npr. nezadostne pravice, nedostopnost podatkovne baze in podobno bodo klicatelju sporočene preko mehanizma soap fault. Vsaka napaka ima tudi opisni del z sporočilom napake.

Predviden seznam napak:

* VSAccessDenied
  + Napaka je vrnjena pri klicanju spletnega servisa, ko ima klicatelj nezadostne pravice za prijavo, vpis ali spremembo podatkov.
  + Pravica vnosa se preverja na tipu posamezne entitete, akciji, aplikaciji, ter inštituciji kateri ta entiteta pripada.
* VSInternalError
  + Notranja napaka v primeru napačnega delovanja spletnega servisa. Primer je ko se izgubi povezava z bazo ali kakšna druga tehnična napaka.
* VSInvalidLogin
  + Napaka pri prijavi z odjemalskim certifikatom. Uporabnik nima pravic za prijavo v Varnostno shemo.
* VSInvalidParameter
  + Napaka v vhodnih parametrih. Npr uporabnik pri vnosu uporabnika ni vnesel davčne številke.

# Produkcijsko in testno okolje

V sklopu postavitve Varnostne sheme na Ministrstvu za zdravje sta na voljo 2 okolji:

* TESTNO: vs-test.cs.ezdrav.si
* PRODUKCIJSKO vs.cs.ezdrav.si

V času nastanka dokumenta se produkcijsko okolje še vzpostavlja, testno okolje pa služi tudi kot pilotno okolje v času uvedbe rešitve eRecepti.

# Reference

[1] Uporabniška dokumentacija za Varnostno shemo: dokument MZ\_eRecept\_UporDok\_VS\_20130421.doc (zadnja verzija v trenutku nastanka dokumenta)

[2] Jasig CAS <http://www.jasig.org/cas/> , <http://www.jasig.org/cas/protocol>

# Pojmi

|  |  |
| --- | --- |
| **Pojem** | **Pomen** |
| VS | Varnostna Shema |
| CAS | Jasig Central Authentication Service |
|  |  |
|  |  |

# Priloge

## WSDL za storitev UserLoginService

<https://storitve.ezdrav.si/VS.webservices/services/userLogin?wsdl>

<?xml version=**'1.0'** encoding=**'UTF-8'**?><wsdl:definitions name=**"UserLoginService"** targetNamespace=**"http://vs.mju.si/"** xmlns:ns1=**"http://schemas.xmlsoap.org/soap/http"** xmlns:soap=**"http://schemas.xmlsoap.org/wsdl/soap/"** xmlns:tns=**"http://vs.mju.si/"** xmlns:wsdl=**"http://schemas.xmlsoap.org/wsdl/"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<wsdl:types>

<xs:schema attributeFormDefault=**"unqualified"** elementFormDefault=**"unqualified"** targetNamespace=**"http://vs.mju.si/"** xmlns:tns=**"http://vs.mju.si/"** xmlns:xs=**"http://www.w3.org/2001/XMLSchema"**>

<xs:element name=**"AutenticateUser"** type=**"tns:AutenticateUser"**/>

<xs:element name=**"AutenticateUserResponse"** type=**"tns:AutenticateUserResponse"**/>

<xs:element name=**"FirstLogin"** type=**"tns:FirstLogin"**/>

<xs:element name=**"FirstLoginResponse"** type=**"tns:FirstLoginResponse"**/>

<xs:element name=**"GetValidatedUserInfo"** type=**"tns:GetValidatedUserInfo"**/>

<xs:element name=**"GetValidatedUserInfoResponse"** type=**"tns:GetValidatedUserInfoResponse"**/>

<xs:element name=**"GrantUserService"** type=**"tns:GrantUserService"**/>

<xs:element name=**"GrantUserServiceResponse"** type=**"tns:GrantUserServiceResponse"**/>

<xs:element name=**"IsUserCertificateRegistered"** type=**"tns:IsUserCertificateRegistered"**/>

<xs:element name=**"IsUserCertificateRegisteredResponse"** type=**"tns:IsUserCertificateRegisteredResponse"**/>

<xs:element name=**"IsUserEMSORegistered"** type=**"tns:IsUserEMSORegistered"**/>

<xs:element name=**"IsUserEMSORegisteredResponse"** type=**"tns:IsUserEMSORegisteredResponse"**/>

<xs:element name=**"IsUserRegistredWithinOrganization"** type=**"tns:IsUserRegistredWithinOrganization"**/>

<xs:element name=**"IsUserRegistredWithinOrganizationResponse"** type=**"tns:IsUserRegistredWithinOrganizationResponse"**/>

<xs:element name=**"IsUserRizddzIdRegistred"** type=**"tns:IsUserRizddzIdRegistred"**/>

<xs:element name=**"IsUserRizddzIdRegistredResponse"** type=**"tns:IsUserRizddzIdRegistredResponse"**/>

<xs:element name=**"IsUserTaxIdRegistered"** type=**"tns:IsUserTaxIdRegistered"**/>

<xs:element name=**"IsUserTaxIdRegisteredResponse"** type=**"tns:IsUserTaxIdRegisteredResponse"**/>

<xs:element name=**"LogoutUser"** type=**"tns:LogoutUser"**/>

<xs:element name=**"LogoutUserResponse"** type=**"tns:LogoutUserResponse"**/>

<xs:element name=**"RegisterCertificate"** type=**"tns:RegisterCertificate"**/>

<xs:element name=**"RegisterCertificateEMSO"** type=**"tns:RegisterCertificateEMSO"**/>

<xs:element name=**"RegisterCertificateEMSOResponse"** type=**"tns:RegisterCertificateEMSOResponse"**/>

<xs:element name=**"RegisterCertificateResponse"** type=**"tns:RegisterCertificateResponse"**/>

<xs:element name=**"RegisterUser"** type=**"tns:RegisterUser"**/>

<xs:element name=**"RegisterUserResponse"** type=**"tns:RegisterUserResponse"**/>

<xs:element name=**"UpdateUser"** type=**"tns:UpdateUser"**/>

<xs:element name=**"UpdateUserResponse"** type=**"tns:UpdateUserResponse"**/>

<xs:complexType name=**"IsUserTaxIdRegistered"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"xs:base64Binary"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"IsUserTaxIdRegisteredResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"FirstLogin"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"user"** type=**"tns:user"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"user"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"tns:certificate"**/>

<xs:element minOccurs=**"0"** name=**"email"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"emso"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"firstname"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"idBPI"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"isSystem"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"lastname"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"middlename"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"passwordChangeReq"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"passwordHash"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"phone"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"registrationNumber"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"resetKey"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"resetkeyValidity"** type=**"xs:dateTime"**/>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"roles"** nillable=**"true"** type=**"tns:applicationRole"**/>

<xs:element minOccurs=**"0"** name=**"status"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"taxID"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"userName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"zzzsId"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"id"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"isActive"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"sysDeleted"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"certificate"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificateIssuerId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"password"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"serialNumber"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"userId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"x509Certificate"** type=**"xs:base64Binary"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"application"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"applicationName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"applicationOrganization"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"applicationParentId"** type=**"xs:long"**/>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"childrenApplications"** nillable=**"true"** type=**"tns:application"**/>

<xs:element minOccurs=**"0"** name=**"emailTemplate"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"isPasswordRequired"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"parentApplication"** type=**"tns:application"**/>

<xs:element minOccurs=**"0"** name=**"serviceURL"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"applicationRole"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"idBPI"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgunitId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"orgunitName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"permissionId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"permissionName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"roleId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"roleName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"sysAutoImported"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"certificateIssuer"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"issuerDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"issuerName"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"orgUnitType"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"notifyEmail"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"notifySMS"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitTypeDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitTypeName"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"organization"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"address"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"cancellationDate"** type=**"xs:dateTime"**/>

<xs:element minOccurs=**"0"** name=**"creationDate"** type=**"xs:dateTime"**/>

<xs:element minOccurs=**"0"** name=**"idBPI"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"idBPIParent"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"notifyEmail"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"notifySMS"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitParentId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitTypeId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"postCity"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"registrationNumber"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"taxId"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"permission"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"permissionDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"permissionGroupId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"permissionName"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"role"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"isPublished"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"roleDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"roleName"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"FirstLoginResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"IsUserCertificateRegistered"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"xs:base64Binary"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"IsUserCertificateRegisteredResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"IsUserEMSORegistered"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"xs:base64Binary"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"IsUserEMSORegisteredResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"AutenticateUser"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"xs:base64Binary"**/>

<xs:element minOccurs=**"0"** name=**"service"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"password"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"AutenticateUserResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:ssoToken"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"ssoToken"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"tokenValue"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"RegisterCertificateEMSO"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"xs:base64Binary"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"RegisterCertificateEMSOResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"LogoutUser"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"token"** type=**"tns:ssoToken"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"LogoutUserResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"RegisterUser"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"user"** type=**"tns:user"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"roleId"** type=**"xs:long"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"RegisterUserResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:user"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"GrantUserService"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"token"** type=**"tns:ssoToken"**/>

<xs:element minOccurs=**"0"** name=**"service"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"GrantUserServiceResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:ssoToken"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"UpdateUser"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"xs:base64Binary"**/>

<xs:element minOccurs=**"0"** name=**"email"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"phone"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"roleId"** type=**"xs:long"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"UpdateUserResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:user"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"RegisterCertificate"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"xs:base64Binary"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"RegisterCertificateResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"IsUserRizddzIdRegistred"**>

<xs:sequence>

<xs:element name=**"userRizddzId"** type=**"xs:int"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"IsUserRizddzIdRegistredResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"GetValidatedUserInfo"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"token"** type=**"tns:ssoToken"**/>

<xs:element minOccurs=**"0"** name=**"service"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"GetValidatedUserInfoResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:user"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"IsUserRegistredWithinOrganization"**>

<xs:sequence>

<xs:element name=**"userRizddzId"** type=**"xs:int"**/>

<xs:element name=**"orgUnitRizddzId"** type=**"xs:int"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"IsUserRegistredWithinOrganizationResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:complexType>

<xs:element name=**"VSInternalError"** type=**"tns:VSInternalError"**/>

<xs:complexType name=**"VSInternalError"**>

<xs:sequence/>

</xs:complexType>

<xs:element name=**"VSAccessDenied"** type=**"tns:VSAccessDenied"**/>

<xs:complexType name=**"VSAccessDenied"**>

<xs:sequence>

<xs:element name=**"errorMessage"** nillable=**"true"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:element name=**"VSInvalidParameter"** type=**"tns:VSInvalidParameter"**/>

<xs:complexType name=**"VSInvalidParameter"**>

<xs:sequence>

<xs:element name=**"errorMessage"** nillable=**"true"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:element name=**"VSInvalidLogin"** type=**"tns:VSInvalidLogin"**/>

<xs:complexType name=**"VSInvalidLogin"**>

<xs:sequence>

<xs:element name=**"errorMessage"** nillable=**"true"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

</xs:schema>

</wsdl:types>

<wsdl:message name=**"UpdateUser"**>

<wsdl:part element=**"tns:UpdateUser"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"AutenticateUser"**>

<wsdl:part element=**"tns:AutenticateUser"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"VSInvalidParameter"**>

<wsdl:part element=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"LogoutUser"**>

<wsdl:part element=**"tns:LogoutUser"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"AutenticateUserResponse"**>

<wsdl:part element=**"tns:AutenticateUserResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"FirstLogin"**>

<wsdl:part element=**"tns:FirstLogin"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"GetValidatedUserInfo"**>

<wsdl:part element=**"tns:GetValidatedUserInfo"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"RegisterCertificateEMSOResponse"**>

<wsdl:part element=**"tns:RegisterCertificateEMSOResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"RegisterCertificateResponse"**>

<wsdl:part element=**"tns:RegisterCertificateResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"RegisterUserResponse"**>

<wsdl:part element=**"tns:RegisterUserResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserRegistredWithinOrganization"**>

<wsdl:part element=**"tns:IsUserRegistredWithinOrganization"** name=**"parameters"**></wsdl:part>

</wsdl:message>

<wsdl:message name=**"VSAccessDenied"**>

<wsdl:part element=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserEMSORegisteredResponse"**>

<wsdl:part element=**"tns:IsUserEMSORegisteredResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserCertificateRegisteredResponse"**>

<wsdl:part element=**"tns:IsUserCertificateRegisteredResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserRegistredWithinOrganizationResponse"**>

<wsdl:part element=**"tns:IsUserRegistredWithinOrganizationResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserRizddzIdRegistred"**>

<wsdl:part element=**"tns:IsUserRizddzIdRegistred"** name=**"parameters"**></wsdl:part>

</wsdl:message>

<wsdl:message name=**"LogoutUserResponse"**>

<wsdl:part element=**"tns:LogoutUserResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"GetValidatedUserInfoResponse"**>

<wsdl:part element=**"tns:GetValidatedUserInfoResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"GrantUserServiceResponse"**>

<wsdl:part element=**"tns:GrantUserServiceResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"FirstLoginResponse"**>

<wsdl:part element=**"tns:FirstLoginResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"VSInternalError"**>

<wsdl:part element=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserRizddzIdRegistredResponse"**>

<wsdl:part element=**"tns:IsUserRizddzIdRegistredResponse"** name=**"parameters"**></wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserTaxIdRegistered"**>

<wsdl:part element=**"tns:IsUserTaxIdRegistered"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserTaxIdRegisteredResponse"**>

<wsdl:part element=**"tns:IsUserTaxIdRegisteredResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"UpdateUserResponse"**>

<wsdl:part element=**"tns:UpdateUserResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserEMSORegistered"**>

<wsdl:part element=**"tns:IsUserEMSORegistered"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"RegisterCertificate"**>

<wsdl:part element=**"tns:RegisterCertificate"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"VSInvalidLogin"**>

<wsdl:part element=**"tns:VSInvalidLogin"** name=**"VSInvalidLogin"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"RegisterUser"**>

<wsdl:part element=**"tns:RegisterUser"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"IsUserCertificateRegistered"**>

<wsdl:part element=**"tns:IsUserCertificateRegistered"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"RegisterCertificateEMSO"**>

<wsdl:part element=**"tns:RegisterCertificateEMSO"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"GrantUserService"**>

<wsdl:part element=**"tns:GrantUserService"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:portType name=**"UserLogin"**>

<wsdl:operation name=**"IsUserTaxIdRegistered"**>

<wsdl:input message=**"tns:IsUserTaxIdRegistered"** name=**"IsUserTaxIdRegistered"**>

</wsdl:input>

<wsdl:output message=**"tns:IsUserTaxIdRegisteredResponse"** name=**"IsUserTaxIdRegisteredResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"FirstLogin"**>

<wsdl:input message=**"tns:FirstLogin"** name=**"FirstLogin"**>

</wsdl:input>

<wsdl:output message=**"tns:FirstLoginResponse"** name=**"FirstLoginResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"IsUserCertificateRegistered"**>

<wsdl:input message=**"tns:IsUserCertificateRegistered"** name=**"IsUserCertificateRegistered"**>

</wsdl:input>

<wsdl:output message=**"tns:IsUserCertificateRegisteredResponse"** name=**"IsUserCertificateRegisteredResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"IsUserEMSORegistered"**>

<wsdl:input message=**"tns:IsUserEMSORegistered"** name=**"IsUserEMSORegistered"**>

</wsdl:input>

<wsdl:output message=**"tns:IsUserEMSORegisteredResponse"** name=**"IsUserEMSORegisteredResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"AutenticateUser"**>

<wsdl:input message=**"tns:AutenticateUser"** name=**"AutenticateUser"**>

</wsdl:input>

<wsdl:output message=**"tns:AutenticateUserResponse"** name=**"AutenticateUserResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidLogin"** name=**"VSInvalidLogin"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"RegisterCertificateEMSO"**>

<wsdl:input message=**"tns:RegisterCertificateEMSO"** name=**"RegisterCertificateEMSO"**>

</wsdl:input>

<wsdl:output message=**"tns:RegisterCertificateEMSOResponse"** name=**"RegisterCertificateEMSOResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"LogoutUser"**>

<wsdl:input message=**"tns:LogoutUser"** name=**"LogoutUser"**>

</wsdl:input>

<wsdl:output message=**"tns:LogoutUserResponse"** name=**"LogoutUserResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"RegisterUser"**>

<wsdl:input message=**"tns:RegisterUser"** name=**"RegisterUser"**>

</wsdl:input>

<wsdl:output message=**"tns:RegisterUserResponse"** name=**"RegisterUserResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"GrantUserService"**>

<wsdl:input message=**"tns:GrantUserService"** name=**"GrantUserService"**>

</wsdl:input>

<wsdl:output message=**"tns:GrantUserServiceResponse"** name=**"GrantUserServiceResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInvalidLogin"** name=**"VSInvalidLogin"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"UpdateUser"**>

<wsdl:input message=**"tns:UpdateUser"** name=**"UpdateUser"**>

</wsdl:input>

<wsdl:output message=**"tns:UpdateUserResponse"** name=**"UpdateUserResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"RegisterCertificate"**>

<wsdl:input message=**"tns:RegisterCertificate"** name=**"RegisterCertificate"**>

</wsdl:input>

<wsdl:output message=**"tns:RegisterCertificateResponse"** name=**"RegisterCertificateResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"IsUserRizddzIdRegistred"**>

<wsdl:input message=**"tns:IsUserRizddzIdRegistred"** name=**"IsUserRizddzIdRegistred"**>

</wsdl:input>

<wsdl:output message=**"tns:IsUserRizddzIdRegistredResponse"** name=**"IsUserRizddzIdRegistredResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"GetValidatedUserInfo"**>

<wsdl:input message=**"tns:GetValidatedUserInfo"** name=**"GetValidatedUserInfo"**>

</wsdl:input>

<wsdl:output message=**"tns:GetValidatedUserInfoResponse"** name=**"GetValidatedUserInfoResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidLogin"** name=**"VSInvalidLogin"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"IsUserRegistredWithinOrganization"**>

<wsdl:input message=**"tns:IsUserRegistredWithinOrganization"** name=**"IsUserRegistredWithinOrganization"**>

</wsdl:input>

<wsdl:output message=**"tns:IsUserRegistredWithinOrganizationResponse"** name=**"IsUserRegistredWithinOrganizationResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**></wsdl:fault>

</wsdl:operation>

</wsdl:portType>

<wsdl:binding name=**"UserLoginServiceSoapBinding"** type=**"tns:UserLogin"**>

<soap:binding style=**"document"** transport=**"http://schemas.xmlsoap.org/soap/http"**/>

<wsdl:operation name=**"FirstLogin"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"FirstLogin"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"FirstLoginResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"IsUserTaxIdRegistered"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"IsUserTaxIdRegistered"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"IsUserTaxIdRegisteredResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"IsUserCertificateRegistered"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"IsUserCertificateRegistered"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"IsUserCertificateRegisteredResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"IsUserEMSORegistered"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"IsUserEMSORegistered"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"IsUserEMSORegisteredResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"AutenticateUser"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"AutenticateUser"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"AutenticateUserResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidLogin"**>

<soap:fault name=**"VSInvalidLogin"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"RegisterCertificateEMSO"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"RegisterCertificateEMSO"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"RegisterCertificateEMSOResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"LogoutUser"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"LogoutUser"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"LogoutUserResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"RegisterUser"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"RegisterUser"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"RegisterUserResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"GrantUserService"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"GrantUserService"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"GrantUserServiceResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInvalidLogin"**>

<soap:fault name=**"VSInvalidLogin"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"RegisterCertificate"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"RegisterCertificate"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"RegisterCertificateResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"UpdateUser"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"UpdateUser"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"UpdateUserResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"IsUserRizddzIdRegistred"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"IsUserRizddzIdRegistred"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"IsUserRizddzIdRegistredResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"GetValidatedUserInfo"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"GetValidatedUserInfo"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"GetValidatedUserInfoResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidLogin"**>

<soap:fault name=**"VSInvalidLogin"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"IsUserRegistredWithinOrganization"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"IsUserRegistredWithinOrganization"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"IsUserRegistredWithinOrganizationResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

</wsdl:binding>

<wsdl:service name=**"UserLoginService"**>

<wsdl:port binding=**"tns:UserLoginServiceSoapBinding"** name=**"UserLoginPort"**>

<soap:address location=**"https://storitve.ezdrav.si/VS.webservices/services/userLogin"**/>

</wsdl:port>

</wsdl:service>

</wsdl:definitions>

## WSDL za storitev VarnostnaSchemaAdminService

<https://vs.cs.ezdrav.si/VS.webservices/services/vsAdmin?wsdl>

<?xml version=**'1.0'** encoding=**'UTF-8'**?><wsdl:definitions name=**"VarnostnaSchemaAdminService"** targetNamespace=**"http://vs.mju.si/"** xmlns:ns1=**"http://schemas.xmlsoap.org/soap/http"** xmlns:soap=**"http://schemas.xmlsoap.org/wsdl/soap/"** xmlns:tns=**"http://vs.mju.si/"** xmlns:wsdl=**"http://schemas.xmlsoap.org/wsdl/"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"**>

<wsdl:types>

<xs:schema attributeFormDefault=**"unqualified"** elementFormDefault=**"unqualified"** targetNamespace=**"http://vs.mju.si/"** xmlns:tns=**"http://vs.mju.si/"** xmlns:xs=**"http://www.w3.org/2001/XMLSchema"**>

<xs:element name=**"createAppCertIssuers"** type=**"tns:createAppCertIssuers"**/>

<xs:element name=**"createAppCertIssuersResponse"** type=**"tns:createAppCertIssuersResponse"**/>

<xs:element name=**"createAppRolPrmMapping"** type=**"tns:createAppRolPrmMapping"**/>

<xs:element name=**"createAppRolPrmMappingResponse"** type=**"tns:createAppRolPrmMappingResponse"**/>

<xs:element name=**"createApplication"** type=**"tns:createApplication"**/>

<xs:element name=**"createApplicationResponse"** type=**"tns:createApplicationResponse"**/>

<xs:element name=**"createAuthorizationMapping"** type=**"tns:createAuthorizationMapping"**/>

<xs:element name=**"createAuthorizationMappingResponse"** type=**"tns:createAuthorizationMappingResponse"**/>

<xs:element name=**"createCandidate"** type=**"tns:createCandidate"**/>

<xs:element name=**"createCandidateResponse"** type=**"tns:createCandidateResponse"**/>

<xs:element name=**"createCandidateRole"** type=**"tns:createCandidateRole"**/>

<xs:element name=**"createCandidateRoleResponse"** type=**"tns:createCandidateRoleResponse"**/>

<xs:element name=**"createCertificate"** type=**"tns:createCertificate"**/>

<xs:element name=**"createCertificateIssuer"** type=**"tns:createCertificateIssuer"**/>

<xs:element name=**"createCertificateIssuerResponse"** type=**"tns:createCertificateIssuerResponse"**/>

<xs:element name=**"createCertificateResponse"** type=**"tns:createCertificateResponse"**/>

<xs:element name=**"createContact"** type=**"tns:createContact"**/>

<xs:element name=**"createContactResponse"** type=**"tns:createContactResponse"**/>

<xs:element name=**"createEntities"** type=**"tns:createEntities"**/>

<xs:element name=**"createEntitiesResponse"** type=**"tns:createEntitiesResponse"**/>

<xs:element name=**"createEntity"** type=**"tns:createEntity"**/>

<xs:element name=**"createEntityResponse"** type=**"tns:createEntityResponse"**/>

<xs:element name=**"createOrgUnitAppRolPrmMapping"** type=**"tns:createOrgUnitAppRolPrmMapping"**/>

<xs:element name=**"createOrgUnitAppRolPrmMappingResponse"** type=**"tns:createOrgUnitAppRolPrmMappingResponse"**/>

<xs:element name=**"createOrgUnitType"** type=**"tns:createOrgUnitType"**/>

<xs:element name=**"createOrgUnitTypeResponse"** type=**"tns:createOrgUnitTypeResponse"**/>

<xs:element name=**"createOrganization"** type=**"tns:createOrganization"**/>

<xs:element name=**"createOrganizationResponse"** type=**"tns:createOrganizationResponse"**/>

<xs:element name=**"createPermission"** type=**"tns:createPermission"**/>

<xs:element name=**"createPermissionGroup"** type=**"tns:createPermissionGroup"**/>

<xs:element name=**"createPermissionGroupResponse"** type=**"tns:createPermissionGroupResponse"**/>

<xs:element name=**"createPermissionResponse"** type=**"tns:createPermissionResponse"**/>

<xs:element name=**"createRole"** type=**"tns:createRole"**/>

<xs:element name=**"createRoleResponse"** type=**"tns:createRoleResponse"**/>

<xs:element name=**"createUser"** type=**"tns:createUser"**/>

<xs:element name=**"createUserResponse"** type=**"tns:createUserResponse"**/>

<xs:element name=**"createVzdMapping"** type=**"tns:createVzdMapping"**/>

<xs:element name=**"createVzdMappingResponse"** type=**"tns:createVzdMappingResponse"**/>

<xs:element name=**"deactivateVzdMappings"** type=**"tns:deactivateVzdMappings"**/>

<xs:element name=**"deactivateVzdMappingsResponse"** type=**"tns:deactivateVzdMappingsResponse"**/>

<xs:element name=**"deleteAppCertIssuers"** type=**"tns:deleteAppCertIssuers"**/>

<xs:element name=**"deleteAppCertIssuersResponse"** type=**"tns:deleteAppCertIssuersResponse"**/>

<xs:element name=**"deleteAppRolPrmMapping"** type=**"tns:deleteAppRolPrmMapping"**/>

<xs:element name=**"deleteAppRolPrmMappingResponse"** type=**"tns:deleteAppRolPrmMappingResponse"**/>

<xs:element name=**"deleteApplication"** type=**"tns:deleteApplication"**/>

<xs:element name=**"deleteApplicationResponse"** type=**"tns:deleteApplicationResponse"**/>

<xs:element name=**"deleteAuthorizationMapping"** type=**"tns:deleteAuthorizationMapping"**/>

<xs:element name=**"deleteAuthorizationMappingResponse"** type=**"tns:deleteAuthorizationMappingResponse"**/>

<xs:element name=**"deleteCandidate"** type=**"tns:deleteCandidate"**/>

<xs:element name=**"deleteCandidateResponse"** type=**"tns:deleteCandidateResponse"**/>

<xs:element name=**"deleteCandidateRole"** type=**"tns:deleteCandidateRole"**/>

<xs:element name=**"deleteCandidateRoleResponse"** type=**"tns:deleteCandidateRoleResponse"**/>

<xs:element name=**"deleteCertificate"** type=**"tns:deleteCertificate"**/>

<xs:element name=**"deleteCertificateIssuer"** type=**"tns:deleteCertificateIssuer"**/>

<xs:element name=**"deleteCertificateIssuerResponse"** type=**"tns:deleteCertificateIssuerResponse"**/>

<xs:element name=**"deleteCertificateResponse"** type=**"tns:deleteCertificateResponse"**/>

<xs:element name=**"deleteContact"** type=**"tns:deleteContact"**/>

<xs:element name=**"deleteContactResponse"** type=**"tns:deleteContactResponse"**/>

<xs:element name=**"deleteEntities"** type=**"tns:deleteEntities"**/>

<xs:element name=**"deleteEntitiesResponse"** type=**"tns:deleteEntitiesResponse"**/>

<xs:element name=**"deleteEntity"** type=**"tns:deleteEntity"**/>

<xs:element name=**"deleteEntityResponse"** type=**"tns:deleteEntityResponse"**/>

<xs:element name=**"deleteOrgUnitAppRolPrmMapping"** type=**"tns:deleteOrgUnitAppRolPrmMapping"**/>

<xs:element name=**"deleteOrgUnitAppRolPrmMappingResponse"** type=**"tns:deleteOrgUnitAppRolPrmMappingResponse"**/>

<xs:element name=**"deleteOrgUnitType"** type=**"tns:deleteOrgUnitType"**/>

<xs:element name=**"deleteOrgUnitTypeResponse"** type=**"tns:deleteOrgUnitTypeResponse"**/>

<xs:element name=**"deleteOrganization"** type=**"tns:deleteOrganization"**/>

<xs:element name=**"deleteOrganizationResponse"** type=**"tns:deleteOrganizationResponse"**/>

<xs:element name=**"deletePermission"** type=**"tns:deletePermission"**/>

<xs:element name=**"deletePermissionGroup"** type=**"tns:deletePermissionGroup"**/>

<xs:element name=**"deletePermissionGroupResponse"** type=**"tns:deletePermissionGroupResponse"**/>

<xs:element name=**"deletePermissionResponse"** type=**"tns:deletePermissionResponse"**/>

<xs:element name=**"deleteRole"** type=**"tns:deleteRole"**/>

<xs:element name=**"deleteRoleResponse"** type=**"tns:deleteRoleResponse"**/>

<xs:element name=**"deleteUser"** type=**"tns:deleteUser"**/>

<xs:element name=**"deleteUserResponse"** type=**"tns:deleteUserResponse"**/>

<xs:element name=**"listAllUserRoleNames"** type=**"tns:listAllUserRoleNames"**/>

<xs:element name=**"listAllUserRoleNamesResponse"** type=**"tns:listAllUserRoleNamesResponse"**/>

<xs:element name=**"listAllUserRolesForApp"** type=**"tns:listAllUserRolesForApp"**/>

<xs:element name=**"listAllUserRolesForAppResponse"** type=**"tns:listAllUserRolesForAppResponse"**/>

<xs:element name=**"listAppIdsForUser"** type=**"tns:listAppIdsForUser"**/>

<xs:element name=**"listAppIdsForUserResponse"** type=**"tns:listAppIdsForUserResponse"**/>

<xs:element name=**"listAppRolPrmMapping"** type=**"tns:listAppRolPrmMapping"**/>

<xs:element name=**"listAppRolPrmMappingResponse"** type=**"tns:listAppRolPrmMappingResponse"**/>

<xs:element name=**"listApplication"** type=**"tns:listApplication"**/>

<xs:element name=**"listApplicationResponse"** type=**"tns:listApplicationResponse"**/>

<xs:element name=**"listAuthorizationMapping"** type=**"tns:listAuthorizationMapping"**/>

<xs:element name=**"listAuthorizationMappingResponse"** type=**"tns:listAuthorizationMappingResponse"**/>

<xs:element name=**"listCandidate"** type=**"tns:listCandidate"**/>

<xs:element name=**"listCandidateResponse"** type=**"tns:listCandidateResponse"**/>

<xs:element name=**"listCandidateRole"** type=**"tns:listCandidateRole"**/>

<xs:element name=**"listCandidateRoleResponse"** type=**"tns:listCandidateRoleResponse"**/>

<xs:element name=**"listCertificate"** type=**"tns:listCertificate"**/>

<xs:element name=**"listCertificateIssuer"** type=**"tns:listCertificateIssuer"**/>

<xs:element name=**"listCertificateIssuerResponse"** type=**"tns:listCertificateIssuerResponse"**/>

<xs:element name=**"listCertificateResponse"** type=**"tns:listCertificateResponse"**/>

<xs:element name=**"listContact"** type=**"tns:listContact"**/>

<xs:element name=**"listContactResponse"** type=**"tns:listContactResponse"**/>

<xs:element name=**"listEntities"** type=**"tns:listEntities"**/>

<xs:element name=**"listEntitiesResponse"** type=**"tns:listEntitiesResponse"**/>

<xs:element name=**"listOrgUnitAppRolPrmMapping"** type=**"tns:listOrgUnitAppRolPrmMapping"**/>

<xs:element name=**"listOrgUnitAppRolPrmMappingResponse"** type=**"tns:listOrgUnitAppRolPrmMappingResponse"**/>

<xs:element name=**"listOrgUnitType"** type=**"tns:listOrgUnitType"**/>

<xs:element name=**"listOrgUnitTypeResponse"** type=**"tns:listOrgUnitTypeResponse"**/>

<xs:element name=**"listOrganization"** type=**"tns:listOrganization"**/>

<xs:element name=**"listOrganizationResponse"** type=**"tns:listOrganizationResponse"**/>

<xs:element name=**"listPermission"** type=**"tns:listPermission"**/>

<xs:element name=**"listPermissionGroup"** type=**"tns:listPermissionGroup"**/>

<xs:element name=**"listPermissionGroupResponse"** type=**"tns:listPermissionGroupResponse"**/>

<xs:element name=**"listPermissionResponse"** type=**"tns:listPermissionResponse"**/>

<xs:element name=**"listRole"** type=**"tns:listRole"**/>

<xs:element name=**"listRoleResponse"** type=**"tns:listRoleResponse"**/>

<xs:element name=**"listUser"** type=**"tns:listUser"**/>

<xs:element name=**"listUserResponse"** type=**"tns:listUserResponse"**/>

<xs:element name=**"ping"** type=**"tns:ping"**/>

<xs:element name=**"pingResponse"** type=**"tns:pingResponse"**/>

<xs:element name=**"storeVzdMappings"** type=**"tns:storeVzdMappings"**/>

<xs:element name=**"storeVzdMappingsResponse"** type=**"tns:storeVzdMappingsResponse"**/>

<xs:element name=**"updateAppRolPrmMapping"** type=**"tns:updateAppRolPrmMapping"**/>

<xs:element name=**"updateAppRolPrmMappingResponse"** type=**"tns:updateAppRolPrmMappingResponse"**/>

<xs:element name=**"updateApplication"** type=**"tns:updateApplication"**/>

<xs:element name=**"updateApplicationResponse"** type=**"tns:updateApplicationResponse"**/>

<xs:element name=**"updateAuthorizationMapping"** type=**"tns:updateAuthorizationMapping"**/>

<xs:element name=**"updateAuthorizationMappingResponse"** type=**"tns:updateAuthorizationMappingResponse"**/>

<xs:element name=**"updateCandidate"** type=**"tns:updateCandidate"**/>

<xs:element name=**"updateCandidateResponse"** type=**"tns:updateCandidateResponse"**/>

<xs:element name=**"updateCandidateRole"** type=**"tns:updateCandidateRole"**/>

<xs:element name=**"updateCandidateRoleResponse"** type=**"tns:updateCandidateRoleResponse"**/>

<xs:element name=**"updateCertificate"** type=**"tns:updateCertificate"**/>

<xs:element name=**"updateCertificateIssuer"** type=**"tns:updateCertificateIssuer"**/>

<xs:element name=**"updateCertificateIssuerResponse"** type=**"tns:updateCertificateIssuerResponse"**/>

<xs:element name=**"updateCertificateResponse"** type=**"tns:updateCertificateResponse"**/>

<xs:element name=**"updateContact"** type=**"tns:updateContact"**/>

<xs:element name=**"updateContactResponse"** type=**"tns:updateContactResponse"**/>

<xs:element name=**"updateEntities"** type=**"tns:updateEntities"**/>

<xs:element name=**"updateEntitiesResponse"** type=**"tns:updateEntitiesResponse"**/>

<xs:element name=**"updateEntity"** type=**"tns:updateEntity"**/>

<xs:element name=**"updateEntityResponse"** type=**"tns:updateEntityResponse"**/>

<xs:element name=**"updateOrgUnitAppRolPrmMapping"** type=**"tns:updateOrgUnitAppRolPrmMapping"**/>

<xs:element name=**"updateOrgUnitAppRolPrmMappingResponse"** type=**"tns:updateOrgUnitAppRolPrmMappingResponse"**/>

<xs:element name=**"updateOrgUnitType"** type=**"tns:updateOrgUnitType"**/>

<xs:element name=**"updateOrgUnitTypeResponse"** type=**"tns:updateOrgUnitTypeResponse"**/>

<xs:element name=**"updateOrganization"** type=**"tns:updateOrganization"**/>

<xs:element name=**"updateOrganizationResponse"** type=**"tns:updateOrganizationResponse"**/>

<xs:element name=**"updatePermission"** type=**"tns:updatePermission"**/>

<xs:element name=**"updatePermissionGroup"** type=**"tns:updatePermissionGroup"**/>

<xs:element name=**"updatePermissionGroupResponse"** type=**"tns:updatePermissionGroupResponse"**/>

<xs:element name=**"updatePermissionResponse"** type=**"tns:updatePermissionResponse"**/>

<xs:element name=**"updateRole"** type=**"tns:updateRole"**/>

<xs:element name=**"updateRoleResponse"** type=**"tns:updateRoleResponse"**/>

<xs:element name=**"updateUser"** type=**"tns:updateUser"**/>

<xs:element name=**"updateUserResponse"** type=**"tns:updateUserResponse"**/>

<xs:element name=**"userRoleImport"** type=**"tns:userRoleImport"**/>

<xs:element name=**"userRoleImportResponse"** type=**"tns:userRoleImportResponse"**/>

<xs:complexType name=**"updateEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"entity"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"id"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"isActive"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"sysDeleted"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"application"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"applicationName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"applicationOrganization"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"applicationParentId"** type=**"xs:long"**/>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"childrenApplications"** nillable=**"true"** type=**"tns:application"**/>

<xs:element minOccurs=**"0"** name=**"emailTemplate"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"isPasswordRequired"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"parentApplication"** type=**"tns:application"**/>

<xs:element minOccurs=**"0"** name=**"serviceURL"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"applicationRole"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"idBPI"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgunitId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"orgunitName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"permissionId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"permissionName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"roleId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"roleName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"sysAutoImported"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"certificate"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificateIssuerId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"password"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"serialNumber"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"userId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"x509Certificate"** type=**"xs:base64Binary"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"certificateIssuer"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"issuerDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"issuerName"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"orgUnitType"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"notifyEmail"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"notifySMS"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitTypeDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitTypeName"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"organization"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"address"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"cancellationDate"** type=**"xs:dateTime"**/>

<xs:element minOccurs=**"0"** name=**"creationDate"** type=**"xs:dateTime"**/>

<xs:element minOccurs=**"0"** name=**"idBPI"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"idBPIParent"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"notifyEmail"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"notifySMS"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitParentId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitTypeId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"postCity"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"registrationNumber"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"taxId"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"permission"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"permissionDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"permissionGroupId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"permissionName"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"role"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"isPublished"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"roleDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"roleName"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"user"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"tns:certificate"**/>

<xs:element minOccurs=**"0"** name=**"email"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"emso"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"firstname"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"idBPI"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"isSystem"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"lastname"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"middlename"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"passwordChangeReq"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"passwordHash"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"phone"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"registrationNumber"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"resetKey"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"resetkeyValidity"** type=**"xs:dateTime"**/>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"roles"** nillable=**"true"** type=**"tns:applicationRole"**/>

<xs:element minOccurs=**"0"** name=**"status"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"taxID"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"userName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"zzzsId"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"updateEntityResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateAppRolPrmMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"appRolPrmMapping"** type=**"tns:appRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"appRolPrmMapping"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"grantedPermissionId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"grantedRoleId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"isPublished"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"permissionId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"roleId"** type=**"xs:long"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"updateAppRolPrmMappingResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:appRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updatePermission"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"permission"** type=**"tns:permission"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updatePermissionResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:permission"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteAppCertIssuers"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"appCertIssuers"** type=**"tns:appCertIssuers"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"appCertIssuers"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"certificateIssuerId"** type=**"xs:long"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"deleteAppCertIssuersResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"listAllUserRolesForApp"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"userId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"applicationId"** type=**"xs:long"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listAllUserRolesForAppResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"applicationRole"** type=**"tns:applicationRole"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createCandidate"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"candidate"** type=**"tns:candidate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"candidate"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificateIssuerId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"certificateSerial"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"email"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"emso"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"firstname"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"lastname"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"registrationNumber"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"status"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"taxID"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"x509Certificate"** type=**"xs:base64Binary"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"createCandidateResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:candidate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateCertificateIssuer"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificateIssuer"** type=**"tns:certificateIssuer"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateCertificateIssuerResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:certificateIssuer"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateApplication"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"application"** type=**"tns:application"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateApplicationResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:application"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deletePermission"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"permission"** type=**"tns:permission"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deletePermissionResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"deleteCertificate"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"tns:certificate"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteCertificateResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"deleteAuthorizationMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"authorizationMapping"** type=**"tns:authorizationMapping"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"authorizationMapping"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"orgUnitAppRolPrmId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"sysAutoExpired"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"sysAutoImported"** type=**"xs:boolean"**/>

<xs:element minOccurs=**"0"** name=**"userId"** type=**"xs:long"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"deleteAuthorizationMappingResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"deleteApplication"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"application"** type=**"tns:application"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteApplicationResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"createCandidateRole"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"candidateRole"** type=**"tns:candidateRole"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"candidateRole"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"candidateId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitAppRolPrmId"** type=**"xs:long"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"createCandidateRoleResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:candidateRole"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listAppRolPrmMapping"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"entityFilter"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"fieldName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"fieldValue"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listAppRolPrmMappingResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:appRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createApplication"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"application"** type=**"tns:application"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createApplicationResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:application"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteOrganization"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"organization"** type=**"tns:organization"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteOrganizationResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"deletePermissionGroup"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"permissionGroup"** type=**"tns:permissionGroup"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"permissionGroup"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"roleDescription"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"roleName"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"deletePermissionGroupResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"ping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"value"** type=**"xs:long"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"pingResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"xs:long"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createEntities"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entities"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createEntitiesResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateCandidateRole"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"candidateRole"** type=**"tns:candidateRole"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateCandidateRoleResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:candidateRole"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createOrgUnitAppRolPrmMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"orgUnitAppRolPrmMapping"** type=**"tns:orgUnitAppRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"orgUnitAppRolPrmMapping"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"appRolPrmId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"orgunitId"** type=**"xs:long"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"createOrgUnitAppRolPrmMappingResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:orgUnitAppRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateEntities"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entities"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateEntitiesResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listAllUserRoleNames"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listAllUserRoleNamesResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createCertificate"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"tns:certificate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createCertificateResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:certificate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createUser"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"user"** type=**"tns:user"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createUserResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:user"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updatePermissionGroup"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"permissionGroup"** type=**"tns:permissionGroup"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updatePermissionGroupResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:permissionGroup"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listPermission"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listPermissionResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:permission"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listCandidate"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listCandidateResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:candidate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"userRoleImport"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"userId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"roleId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"isActive"** type=**"xs:boolean"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"userRoleImportResponse"**>

<xs:sequence>

<xs:element name=**"return"** type=**"xs:int"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteCandidate"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"candidate"** type=**"tns:candidate"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteCandidateResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"createOrgUnitType"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"orgUnitType"** type=**"tns:orgUnitType"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createOrgUnitTypeResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:orgUnitType"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listContact"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listContactResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:contact"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"contact"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"applicationId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"contactRole"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"contactRoleId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"email"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"firstName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"lastName"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"orgUnitTypeId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"phone"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"taxID"** type=**"xs:string"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"updateOrgUnitType"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"orgUnitType"** type=**"tns:orgUnitType"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateOrgUnitTypeResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:orgUnitType"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteOrgUnitType"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"orgUnitType"** type=**"tns:orgUnitType"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteOrgUnitTypeResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"listOrgUnitType"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listOrgUnitTypeResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:orgUnitType"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listUser"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listUserResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:user"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteRole"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"role"** type=**"tns:role"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteRoleResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"updateOrgUnitAppRolPrmMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"orgUnitAppRolPrmMapping"** type=**"tns:orgUnitAppRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateOrgUnitAppRolPrmMappingResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:orgUnitAppRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deactivateVzdMappings"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"vzdMapping"** type=**"tns:vzdMapping"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"vzdMapping"**>

<xs:complexContent>

<xs:extension base=**"tns:vsEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"expirationDate"** type=**"xs:dateTime"**/>

<xs:element minOccurs=**"0"** name=**"importSource"** type=**"xs:int"**/>

<xs:element minOccurs=**"0"** name=**"organizationUnitId"** type=**"xs:long"**/>

<xs:element minOccurs=**"0"** name=**"sifraVzd"** type=**"xs:string"**/>

<xs:element minOccurs=**"0"** name=**"userId"** type=**"xs:long"**/>

</xs:sequence>

</xs:extension>

</xs:complexContent>

</xs:complexType>

<xs:complexType name=**"deactivateVzdMappingsResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"updateAuthorizationMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"authorizationMapping"** type=**"tns:authorizationMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateAuthorizationMappingResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:authorizationMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listCertificateIssuer"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listCertificateIssuerResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:certificateIssuer"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createAuthorizationMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"authorizationMapping"** type=**"tns:authorizationMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createAuthorizationMappingResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:authorizationMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listApplication"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listApplicationResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:application"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateCertificate"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificate"** type=**"tns:certificate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateCertificateResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:certificate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listOrganization"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listOrganizationResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:organization"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteContact"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"contact"** type=**"tns:contact"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteContactResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"deleteCandidateRole"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"candidateRole"** type=**"tns:candidateRole"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteCandidateRoleResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"deleteEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"entity"** type=**"tns:vsEntity"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteEntityResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"listPermissionGroup"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listPermissionGroupResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:permissionGroup"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteCertificateIssuer"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificateIssuer"** type=**"tns:certificateIssuer"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteCertificateIssuerResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"createAppCertIssuers"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"appCertIssuers"** type=**"tns:appCertIssuers"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createAppCertIssuersResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:appCertIssuers"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listCandidateRole"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listCandidateRoleResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:candidateRole"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteOrgUnitAppRolPrmMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"orgUnitAppRolPrmMapping"** type=**"tns:orgUnitAppRolPrmMapping"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteOrgUnitAppRolPrmMappingResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"createAppRolPrmMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"appRolPrmMapping"** type=**"tns:appRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createAppRolPrmMappingResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:appRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createRole"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"role"** type=**"tns:role"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createRoleResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:role"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createContact"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"contact"** type=**"tns:contact"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createContactResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:contact"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateUser"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"user"** type=**"tns:user"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateUserResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:user"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateCandidate"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"candidate"** type=**"tns:candidate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateCandidateResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:candidate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteEntities"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entities"** type=**"tns:vsEntity"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteEntitiesResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"storeVzdMappings"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"vzdMappingList"** type=**"tns:vzdMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"storeVzdMappingsResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateOrganization"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"organization"** type=**"tns:organization"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateOrganizationResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:organization"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listEntities"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"entityType"** type=**"xs:string"**/>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listEntitiesResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteAppRolPrmMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"appRolPrmMapping"** type=**"tns:appRolPrmMapping"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteAppRolPrmMappingResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"listCertificate"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listCertificateResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:certificate"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateRole"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"role"** type=**"tns:role"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateRoleResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:role"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createPermission"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"permission"** type=**"tns:permission"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createPermissionResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:permission"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createEntity"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"entity"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createEntityResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:vsEntity"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listAppIdsForUser"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listAppIdsForUserResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"xs:long"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listAuthorizationMapping"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listAuthorizationMappingResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:authorizationMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listRole"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listRoleResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:role"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteUser"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"user"** type=**"tns:user"**/>

<xs:element minOccurs=**"0"** name=**"reason"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"deleteUserResponse"**>

<xs:sequence/>

</xs:complexType>

<xs:complexType name=**"createVzdMapping"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"vzdMapping"** type=**"tns:vzdMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createVzdMappingResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:vzdMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createCertificateIssuer"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"certificateIssuer"** type=**"tns:certificateIssuer"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createCertificateIssuerResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:certificateIssuer"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateContact"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"contact"** type=**"tns:contact"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"updateContactResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:contact"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createPermissionGroup"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"permissionGroup"** type=**"tns:permissionGroup"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createPermissionGroupResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:permissionGroup"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listOrgUnitAppRolPrmMapping"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"entityFilter"** type=**"tns:entityFilter"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"listOrgUnitAppRolPrmMappingResponse"**>

<xs:sequence>

<xs:element maxOccurs=**"unbounded"** minOccurs=**"0"** name=**"return"** type=**"tns:orgUnitAppRolPrmMapping"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createOrganization"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"organization"** type=**"tns:organization"**/>

</xs:sequence>

</xs:complexType>

<xs:complexType name=**"createOrganizationResponse"**>

<xs:sequence>

<xs:element minOccurs=**"0"** name=**"return"** type=**"tns:organization"**/>

</xs:sequence>

</xs:complexType>

<xs:element name=**"VSInternalError"** type=**"tns:VSInternalError"**/>

<xs:complexType name=**"VSInternalError"**>

<xs:sequence/>

</xs:complexType>

<xs:element name=**"VSAccessDenied"** type=**"tns:VSAccessDenied"**/>

<xs:complexType name=**"VSAccessDenied"**>

<xs:sequence>

<xs:element name=**"errorMessage"** nillable=**"true"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

<xs:element name=**"VSInvalidParameter"** type=**"tns:VSInvalidParameter"**/>

<xs:complexType name=**"VSInvalidParameter"**>

<xs:sequence>

<xs:element name=**"errorMessage"** nillable=**"true"** type=**"xs:string"**/>

</xs:sequence>

</xs:complexType>

</xs:schema>

</wsdl:types>

<wsdl:message name=**"deleteApplicationResponse"**>

<wsdl:part element=**"tns:deleteApplicationResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateOrgUnitTypeResponse"**>

<wsdl:part element=**"tns:updateOrgUnitTypeResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listOrganizationResponse"**>

<wsdl:part element=**"tns:listOrganizationResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createEntities"**>

<wsdl:part element=**"tns:createEntities"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listRoleResponse"**>

<wsdl:part element=**"tns:listRoleResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createVzdMappingResponse"**>

<wsdl:part element=**"tns:createVzdMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createContactResponse"**>

<wsdl:part element=**"tns:createContactResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteUserResponse"**>

<wsdl:part element=**"tns:deleteUserResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteCertificateIssuer"**>

<wsdl:part element=**"tns:deleteCertificateIssuer"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listApplicationResponse"**>

<wsdl:part element=**"tns:listApplicationResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listOrgUnitAppRolPrmMappingResponse"**>

<wsdl:part element=**"tns:listOrgUnitAppRolPrmMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAllUserRoleNames"**>

<wsdl:part element=**"tns:listAllUserRoleNames"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAllUserRolesForApp"**>

<wsdl:part element=**"tns:listAllUserRolesForApp"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createCertificateResponse"**>

<wsdl:part element=**"tns:createCertificateResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAuthorizationMapping"**>

<wsdl:part element=**"tns:listAuthorizationMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createAuthorizationMapping"**>

<wsdl:part element=**"tns:createAuthorizationMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateCandidateResponse"**>

<wsdl:part element=**"tns:updateCandidateResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createCandidateRoleResponse"**>

<wsdl:part element=**"tns:createCandidateRoleResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createRoleResponse"**>

<wsdl:part element=**"tns:createRoleResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteApplication"**>

<wsdl:part element=**"tns:deleteApplication"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createAuthorizationMappingResponse"**>

<wsdl:part element=**"tns:createAuthorizationMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createPermission"**>

<wsdl:part element=**"tns:createPermission"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createAppCertIssuersResponse"**>

<wsdl:part element=**"tns:createAppCertIssuersResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateUserResponse"**>

<wsdl:part element=**"tns:updateUserResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"pingResponse"**>

<wsdl:part element=**"tns:pingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteAppCertIssuersResponse"**>

<wsdl:part element=**"tns:deleteAppCertIssuersResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateEntityResponse"**>

<wsdl:part element=**"tns:updateEntityResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteOrgUnitType"**>

<wsdl:part element=**"tns:deleteOrgUnitType"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteCandidateRoleResponse"**>

<wsdl:part element=**"tns:deleteCandidateRoleResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAllUserRoleNamesResponse"**>

<wsdl:part element=**"tns:listAllUserRoleNamesResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listApplication"**>

<wsdl:part element=**"tns:listApplication"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateOrgUnitAppRolPrmMappingResponse"**>

<wsdl:part element=**"tns:updateOrgUnitAppRolPrmMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateContactResponse"**>

<wsdl:part element=**"tns:updateContactResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteAuthorizationMappingResponse"**>

<wsdl:part element=**"tns:deleteAuthorizationMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteContactResponse"**>

<wsdl:part element=**"tns:deleteContactResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listCertificateResponse"**>

<wsdl:part element=**"tns:listCertificateResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteRole"**>

<wsdl:part element=**"tns:deleteRole"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"ping"**>

<wsdl:part element=**"tns:ping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createAppCertIssuers"**>

<wsdl:part element=**"tns:createAppCertIssuers"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateOrgUnitType"**>

<wsdl:part element=**"tns:updateOrgUnitType"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createCertificateIssuerResponse"**>

<wsdl:part element=**"tns:createCertificateIssuerResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateCertificateIssuerResponse"**>

<wsdl:part element=**"tns:updateCertificateIssuerResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deletePermissionResponse"**>

<wsdl:part element=**"tns:deletePermissionResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateContact"**>

<wsdl:part element=**"tns:updateContact"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteCertificateResponse"**>

<wsdl:part element=**"tns:deleteCertificateResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listPermissionGroup"**>

<wsdl:part element=**"tns:listPermissionGroup"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteOrganization"**>

<wsdl:part element=**"tns:deleteOrganization"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updatePermissionGroupResponse"**>

<wsdl:part element=**"tns:updatePermissionGroupResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAppRolPrmMapping"**>

<wsdl:part element=**"tns:listAppRolPrmMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createUserResponse"**>

<wsdl:part element=**"tns:createUserResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAppRolPrmMappingResponse"**>

<wsdl:part element=**"tns:listAppRolPrmMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listPermissionResponse"**>

<wsdl:part element=**"tns:listPermissionResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateRoleResponse"**>

<wsdl:part element=**"tns:updateRoleResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAppIdsForUser"**>

<wsdl:part element=**"tns:listAppIdsForUser"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listOrgUnitAppRolPrmMapping"**>

<wsdl:part element=**"tns:listOrgUnitAppRolPrmMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listCertificateIssuerResponse"**>

<wsdl:part element=**"tns:listCertificateIssuerResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deactivateVzdMappings"**>

<wsdl:part element=**"tns:deactivateVzdMappings"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteCandidateRole"**>

<wsdl:part element=**"tns:deleteCandidateRole"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateAuthorizationMapping"**>

<wsdl:part element=**"tns:updateAuthorizationMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteEntitiesResponse"**>

<wsdl:part element=**"tns:deleteEntitiesResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listContactResponse"**>

<wsdl:part element=**"tns:listContactResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listRole"**>

<wsdl:part element=**"tns:listRole"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteAppRolPrmMapping"**>

<wsdl:part element=**"tns:deleteAppRolPrmMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listEntities"**>

<wsdl:part element=**"tns:listEntities"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteAppCertIssuers"**>

<wsdl:part element=**"tns:deleteAppCertIssuers"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateCandidateRoleResponse"**>

<wsdl:part element=**"tns:updateCandidateRoleResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteCandidateResponse"**>

<wsdl:part element=**"tns:deleteCandidateResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createEntity"**>

<wsdl:part element=**"tns:createEntity"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createOrganizationResponse"**>

<wsdl:part element=**"tns:createOrganizationResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateOrganization"**>

<wsdl:part element=**"tns:updateOrganization"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteCandidate"**>

<wsdl:part element=**"tns:deleteCandidate"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deletePermission"**>

<wsdl:part element=**"tns:deletePermission"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteEntity"**>

<wsdl:part element=**"tns:deleteEntity"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updatePermissionGroup"**>

<wsdl:part element=**"tns:updatePermissionGroup"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateAppRolPrmMappingResponse"**>

<wsdl:part element=**"tns:updateAppRolPrmMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateEntity"**>

<wsdl:part element=**"tns:updateEntity"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"storeVzdMappingsResponse"**>

<wsdl:part element=**"tns:storeVzdMappingsResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteOrganizationResponse"**>

<wsdl:part element=**"tns:deleteOrganizationResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateOrgUnitAppRolPrmMapping"**>

<wsdl:part element=**"tns:updateOrgUnitAppRolPrmMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"VSInvalidParameter"**>

<wsdl:part element=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createRole"**>

<wsdl:part element=**"tns:createRole"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteOrgUnitAppRolPrmMappingResponse"**>

<wsdl:part element=**"tns:deleteOrgUnitAppRolPrmMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createCandidateResponse"**>

<wsdl:part element=**"tns:createCandidateResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAppIdsForUserResponse"**>

<wsdl:part element=**"tns:listAppIdsForUserResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createOrgUnitAppRolPrmMappingResponse"**>

<wsdl:part element=**"tns:createOrgUnitAppRolPrmMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"userRoleImportResponse"**>

<wsdl:part element=**"tns:userRoleImportResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteContact"**>

<wsdl:part element=**"tns:deleteContact"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateCertificate"**>

<wsdl:part element=**"tns:updateCertificate"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listContact"**>

<wsdl:part element=**"tns:listContact"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createCertificateIssuer"**>

<wsdl:part element=**"tns:createCertificateIssuer"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createPermissionResponse"**>

<wsdl:part element=**"tns:createPermissionResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteAuthorizationMapping"**>

<wsdl:part element=**"tns:deleteAuthorizationMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createPermissionGroupResponse"**>

<wsdl:part element=**"tns:createPermissionGroupResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteEntities"**>

<wsdl:part element=**"tns:deleteEntities"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAuthorizationMappingResponse"**>

<wsdl:part element=**"tns:listAuthorizationMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteCertificate"**>

<wsdl:part element=**"tns:deleteCertificate"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listCandidate"**>

<wsdl:part element=**"tns:listCandidate"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteOrgUnitTypeResponse"**>

<wsdl:part element=**"tns:deleteOrgUnitTypeResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateAuthorizationMappingResponse"**>

<wsdl:part element=**"tns:updateAuthorizationMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateApplication"**>

<wsdl:part element=**"tns:updateApplication"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createEntitiesResponse"**>

<wsdl:part element=**"tns:createEntitiesResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateOrganizationResponse"**>

<wsdl:part element=**"tns:updateOrganizationResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updatePermission"**>

<wsdl:part element=**"tns:updatePermission"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteOrgUnitAppRolPrmMapping"**>

<wsdl:part element=**"tns:deleteOrgUnitAppRolPrmMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateCandidate"**>

<wsdl:part element=**"tns:updateCandidate"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listCandidateRole"**>

<wsdl:part element=**"tns:listCandidateRole"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listUserResponse"**>

<wsdl:part element=**"tns:listUserResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createCertificate"**>

<wsdl:part element=**"tns:createCertificate"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updatePermissionResponse"**>

<wsdl:part element=**"tns:updatePermissionResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createContact"**>

<wsdl:part element=**"tns:createContact"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createAppRolPrmMappingResponse"**>

<wsdl:part element=**"tns:createAppRolPrmMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteCertificateIssuerResponse"**>

<wsdl:part element=**"tns:deleteCertificateIssuerResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateEntitiesResponse"**>

<wsdl:part element=**"tns:updateEntitiesResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateCertificateResponse"**>

<wsdl:part element=**"tns:updateCertificateResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createAppRolPrmMapping"**>

<wsdl:part element=**"tns:createAppRolPrmMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listOrgUnitTypeResponse"**>

<wsdl:part element=**"tns:listOrgUnitTypeResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createPermissionGroup"**>

<wsdl:part element=**"tns:createPermissionGroup"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listCandidateResponse"**>

<wsdl:part element=**"tns:listCandidateResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateAppRolPrmMapping"**>

<wsdl:part element=**"tns:updateAppRolPrmMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteAppRolPrmMappingResponse"**>

<wsdl:part element=**"tns:deleteAppRolPrmMappingResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createOrgUnitTypeResponse"**>

<wsdl:part element=**"tns:createOrgUnitTypeResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createCandidateRole"**>

<wsdl:part element=**"tns:createCandidateRole"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listPermissionGroupResponse"**>

<wsdl:part element=**"tns:listPermissionGroupResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"VSAccessDenied"**>

<wsdl:part element=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateApplicationResponse"**>

<wsdl:part element=**"tns:updateApplicationResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateCandidateRole"**>

<wsdl:part element=**"tns:updateCandidateRole"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createOrganization"**>

<wsdl:part element=**"tns:createOrganization"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listCertificateIssuer"**>

<wsdl:part element=**"tns:listCertificateIssuer"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deletePermissionGroup"**>

<wsdl:part element=**"tns:deletePermissionGroup"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createCandidate"**>

<wsdl:part element=**"tns:createCandidate"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"storeVzdMappings"**>

<wsdl:part element=**"tns:storeVzdMappings"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteEntityResponse"**>

<wsdl:part element=**"tns:deleteEntityResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listUser"**>

<wsdl:part element=**"tns:listUser"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateUser"**>

<wsdl:part element=**"tns:updateUser"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listOrganization"**>

<wsdl:part element=**"tns:listOrganization"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateCertificateIssuer"**>

<wsdl:part element=**"tns:updateCertificateIssuer"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listOrgUnitType"**>

<wsdl:part element=**"tns:listOrgUnitType"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createOrgUnitAppRolPrmMapping"**>

<wsdl:part element=**"tns:createOrgUnitAppRolPrmMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteUser"**>

<wsdl:part element=**"tns:deleteUser"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listCandidateRoleResponse"**>

<wsdl:part element=**"tns:listCandidateRoleResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listAllUserRolesForAppResponse"**>

<wsdl:part element=**"tns:listAllUserRolesForAppResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createUser"**>

<wsdl:part element=**"tns:createUser"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"VSInternalError"**>

<wsdl:part element=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listCertificate"**>

<wsdl:part element=**"tns:listCertificate"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateEntities"**>

<wsdl:part element=**"tns:updateEntities"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"updateRole"**>

<wsdl:part element=**"tns:updateRole"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createVzdMapping"**>

<wsdl:part element=**"tns:createVzdMapping"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listPermission"**>

<wsdl:part element=**"tns:listPermission"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deactivateVzdMappingsResponse"**>

<wsdl:part element=**"tns:deactivateVzdMappingsResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createOrgUnitType"**>

<wsdl:part element=**"tns:createOrgUnitType"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deleteRoleResponse"**>

<wsdl:part element=**"tns:deleteRoleResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createEntityResponse"**>

<wsdl:part element=**"tns:createEntityResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createApplicationResponse"**>

<wsdl:part element=**"tns:createApplicationResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"listEntitiesResponse"**>

<wsdl:part element=**"tns:listEntitiesResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"userRoleImport"**>

<wsdl:part element=**"tns:userRoleImport"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"deletePermissionGroupResponse"**>

<wsdl:part element=**"tns:deletePermissionGroupResponse"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:message name=**"createApplication"**>

<wsdl:part element=**"tns:createApplication"** name=**"parameters"**>

</wsdl:part>

</wsdl:message>

<wsdl:portType name=**"VarnostnaSchemaAdmin"**>

<wsdl:operation name=**"updateEntity"**>

<wsdl:input message=**"tns:updateEntity"** name=**"updateEntity"**>

</wsdl:input>

<wsdl:output message=**"tns:updateEntityResponse"** name=**"updateEntityResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateAppRolPrmMapping"**>

<wsdl:input message=**"tns:updateAppRolPrmMapping"** name=**"updateAppRolPrmMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:updateAppRolPrmMappingResponse"** name=**"updateAppRolPrmMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updatePermission"**>

<wsdl:input message=**"tns:updatePermission"** name=**"updatePermission"**>

</wsdl:input>

<wsdl:output message=**"tns:updatePermissionResponse"** name=**"updatePermissionResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteAppCertIssuers"**>

<wsdl:input message=**"tns:deleteAppCertIssuers"** name=**"deleteAppCertIssuers"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteAppCertIssuersResponse"** name=**"deleteAppCertIssuersResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAllUserRolesForApp"**>

<wsdl:input message=**"tns:listAllUserRolesForApp"** name=**"listAllUserRolesForApp"**>

</wsdl:input>

<wsdl:output message=**"tns:listAllUserRolesForAppResponse"** name=**"listAllUserRolesForAppResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createCandidate"**>

<wsdl:input message=**"tns:createCandidate"** name=**"createCandidate"**>

</wsdl:input>

<wsdl:output message=**"tns:createCandidateResponse"** name=**"createCandidateResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateCertificateIssuer"**>

<wsdl:input message=**"tns:updateCertificateIssuer"** name=**"updateCertificateIssuer"**>

</wsdl:input>

<wsdl:output message=**"tns:updateCertificateIssuerResponse"** name=**"updateCertificateIssuerResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateApplication"**>

<wsdl:input message=**"tns:updateApplication"** name=**"updateApplication"**>

</wsdl:input>

<wsdl:output message=**"tns:updateApplicationResponse"** name=**"updateApplicationResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deletePermission"**>

<wsdl:input message=**"tns:deletePermission"** name=**"deletePermission"**>

</wsdl:input>

<wsdl:output message=**"tns:deletePermissionResponse"** name=**"deletePermissionResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteCertificate"**>

<wsdl:input message=**"tns:deleteCertificate"** name=**"deleteCertificate"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteCertificateResponse"** name=**"deleteCertificateResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteAuthorizationMapping"**>

<wsdl:input message=**"tns:deleteAuthorizationMapping"** name=**"deleteAuthorizationMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteAuthorizationMappingResponse"** name=**"deleteAuthorizationMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteApplication"**>

<wsdl:input message=**"tns:deleteApplication"** name=**"deleteApplication"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteApplicationResponse"** name=**"deleteApplicationResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createCandidateRole"**>

<wsdl:input message=**"tns:createCandidateRole"** name=**"createCandidateRole"**>

</wsdl:input>

<wsdl:output message=**"tns:createCandidateRoleResponse"** name=**"createCandidateRoleResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAppRolPrmMapping"**>

<wsdl:input message=**"tns:listAppRolPrmMapping"** name=**"listAppRolPrmMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:listAppRolPrmMappingResponse"** name=**"listAppRolPrmMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createApplication"**>

<wsdl:input message=**"tns:createApplication"** name=**"createApplication"**>

</wsdl:input>

<wsdl:output message=**"tns:createApplicationResponse"** name=**"createApplicationResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteOrganization"**>

<wsdl:input message=**"tns:deleteOrganization"** name=**"deleteOrganization"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteOrganizationResponse"** name=**"deleteOrganizationResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deletePermissionGroup"**>

<wsdl:input message=**"tns:deletePermissionGroup"** name=**"deletePermissionGroup"**>

</wsdl:input>

<wsdl:output message=**"tns:deletePermissionGroupResponse"** name=**"deletePermissionGroupResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"ping"**>

<wsdl:input message=**"tns:ping"** name=**"ping"**>

</wsdl:input>

<wsdl:output message=**"tns:pingResponse"** name=**"pingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createEntities"**>

<wsdl:input message=**"tns:createEntities"** name=**"createEntities"**>

</wsdl:input>

<wsdl:output message=**"tns:createEntitiesResponse"** name=**"createEntitiesResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateCandidateRole"**>

<wsdl:input message=**"tns:updateCandidateRole"** name=**"updateCandidateRole"**>

</wsdl:input>

<wsdl:output message=**"tns:updateCandidateRoleResponse"** name=**"updateCandidateRoleResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createOrgUnitAppRolPrmMapping"**>

<wsdl:input message=**"tns:createOrgUnitAppRolPrmMapping"** name=**"createOrgUnitAppRolPrmMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:createOrgUnitAppRolPrmMappingResponse"** name=**"createOrgUnitAppRolPrmMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateEntities"**>

<wsdl:input message=**"tns:updateEntities"** name=**"updateEntities"**>

</wsdl:input>

<wsdl:output message=**"tns:updateEntitiesResponse"** name=**"updateEntitiesResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAllUserRoleNames"**>

<wsdl:input message=**"tns:listAllUserRoleNames"** name=**"listAllUserRoleNames"**>

</wsdl:input>

<wsdl:output message=**"tns:listAllUserRoleNamesResponse"** name=**"listAllUserRoleNamesResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createCertificate"**>

<wsdl:input message=**"tns:createCertificate"** name=**"createCertificate"**>

</wsdl:input>

<wsdl:output message=**"tns:createCertificateResponse"** name=**"createCertificateResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createUser"**>

<wsdl:input message=**"tns:createUser"** name=**"createUser"**>

</wsdl:input>

<wsdl:output message=**"tns:createUserResponse"** name=**"createUserResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updatePermissionGroup"**>

<wsdl:input message=**"tns:updatePermissionGroup"** name=**"updatePermissionGroup"**>

</wsdl:input>

<wsdl:output message=**"tns:updatePermissionGroupResponse"** name=**"updatePermissionGroupResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listPermission"**>

<wsdl:input message=**"tns:listPermission"** name=**"listPermission"**>

</wsdl:input>

<wsdl:output message=**"tns:listPermissionResponse"** name=**"listPermissionResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listCandidate"**>

<wsdl:input message=**"tns:listCandidate"** name=**"listCandidate"**>

</wsdl:input>

<wsdl:output message=**"tns:listCandidateResponse"** name=**"listCandidateResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"userRoleImport"**>

<wsdl:input message=**"tns:userRoleImport"** name=**"userRoleImport"**>

</wsdl:input>

<wsdl:output message=**"tns:userRoleImportResponse"** name=**"userRoleImportResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteCandidate"**>

<wsdl:input message=**"tns:deleteCandidate"** name=**"deleteCandidate"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteCandidateResponse"** name=**"deleteCandidateResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createOrgUnitType"**>

<wsdl:input message=**"tns:createOrgUnitType"** name=**"createOrgUnitType"**>

</wsdl:input>

<wsdl:output message=**"tns:createOrgUnitTypeResponse"** name=**"createOrgUnitTypeResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listContact"**>

<wsdl:input message=**"tns:listContact"** name=**"listContact"**>

</wsdl:input>

<wsdl:output message=**"tns:listContactResponse"** name=**"listContactResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateOrgUnitType"**>

<wsdl:input message=**"tns:updateOrgUnitType"** name=**"updateOrgUnitType"**>

</wsdl:input>

<wsdl:output message=**"tns:updateOrgUnitTypeResponse"** name=**"updateOrgUnitTypeResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteOrgUnitType"**>

<wsdl:input message=**"tns:deleteOrgUnitType"** name=**"deleteOrgUnitType"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteOrgUnitTypeResponse"** name=**"deleteOrgUnitTypeResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listOrgUnitType"**>

<wsdl:input message=**"tns:listOrgUnitType"** name=**"listOrgUnitType"**>

</wsdl:input>

<wsdl:output message=**"tns:listOrgUnitTypeResponse"** name=**"listOrgUnitTypeResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listUser"**>

<wsdl:input message=**"tns:listUser"** name=**"listUser"**>

</wsdl:input>

<wsdl:output message=**"tns:listUserResponse"** name=**"listUserResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteRole"**>

<wsdl:input message=**"tns:deleteRole"** name=**"deleteRole"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteRoleResponse"** name=**"deleteRoleResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateOrgUnitAppRolPrmMapping"**>

<wsdl:input message=**"tns:updateOrgUnitAppRolPrmMapping"** name=**"updateOrgUnitAppRolPrmMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:updateOrgUnitAppRolPrmMappingResponse"** name=**"updateOrgUnitAppRolPrmMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deactivateVzdMappings"**>

<wsdl:input message=**"tns:deactivateVzdMappings"** name=**"deactivateVzdMappings"**>

</wsdl:input>

<wsdl:output message=**"tns:deactivateVzdMappingsResponse"** name=**"deactivateVzdMappingsResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateAuthorizationMapping"**>

<wsdl:input message=**"tns:updateAuthorizationMapping"** name=**"updateAuthorizationMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:updateAuthorizationMappingResponse"** name=**"updateAuthorizationMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listCertificateIssuer"**>

<wsdl:input message=**"tns:listCertificateIssuer"** name=**"listCertificateIssuer"**>

</wsdl:input>

<wsdl:output message=**"tns:listCertificateIssuerResponse"** name=**"listCertificateIssuerResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createAuthorizationMapping"**>

<wsdl:input message=**"tns:createAuthorizationMapping"** name=**"createAuthorizationMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:createAuthorizationMappingResponse"** name=**"createAuthorizationMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listApplication"**>

<wsdl:input message=**"tns:listApplication"** name=**"listApplication"**>

</wsdl:input>

<wsdl:output message=**"tns:listApplicationResponse"** name=**"listApplicationResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateCertificate"**>

<wsdl:input message=**"tns:updateCertificate"** name=**"updateCertificate"**>

</wsdl:input>

<wsdl:output message=**"tns:updateCertificateResponse"** name=**"updateCertificateResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listOrganization"**>

<wsdl:input message=**"tns:listOrganization"** name=**"listOrganization"**>

</wsdl:input>

<wsdl:output message=**"tns:listOrganizationResponse"** name=**"listOrganizationResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteContact"**>

<wsdl:input message=**"tns:deleteContact"** name=**"deleteContact"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteContactResponse"** name=**"deleteContactResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteCandidateRole"**>

<wsdl:input message=**"tns:deleteCandidateRole"** name=**"deleteCandidateRole"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteCandidateRoleResponse"** name=**"deleteCandidateRoleResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteEntity"**>

<wsdl:input message=**"tns:deleteEntity"** name=**"deleteEntity"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteEntityResponse"** name=**"deleteEntityResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listPermissionGroup"**>

<wsdl:input message=**"tns:listPermissionGroup"** name=**"listPermissionGroup"**>

</wsdl:input>

<wsdl:output message=**"tns:listPermissionGroupResponse"** name=**"listPermissionGroupResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteCertificateIssuer"**>

<wsdl:input message=**"tns:deleteCertificateIssuer"** name=**"deleteCertificateIssuer"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteCertificateIssuerResponse"** name=**"deleteCertificateIssuerResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createAppCertIssuers"**>

<wsdl:input message=**"tns:createAppCertIssuers"** name=**"createAppCertIssuers"**>

</wsdl:input>

<wsdl:output message=**"tns:createAppCertIssuersResponse"** name=**"createAppCertIssuersResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listCandidateRole"**>

<wsdl:input message=**"tns:listCandidateRole"** name=**"listCandidateRole"**>

</wsdl:input>

<wsdl:output message=**"tns:listCandidateRoleResponse"** name=**"listCandidateRoleResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteOrgUnitAppRolPrmMapping"**>

<wsdl:input message=**"tns:deleteOrgUnitAppRolPrmMapping"** name=**"deleteOrgUnitAppRolPrmMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteOrgUnitAppRolPrmMappingResponse"** name=**"deleteOrgUnitAppRolPrmMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createAppRolPrmMapping"**>

<wsdl:input message=**"tns:createAppRolPrmMapping"** name=**"createAppRolPrmMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:createAppRolPrmMappingResponse"** name=**"createAppRolPrmMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createRole"**>

<wsdl:input message=**"tns:createRole"** name=**"createRole"**>

</wsdl:input>

<wsdl:output message=**"tns:createRoleResponse"** name=**"createRoleResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createContact"**>

<wsdl:input message=**"tns:createContact"** name=**"createContact"**>

</wsdl:input>

<wsdl:output message=**"tns:createContactResponse"** name=**"createContactResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateUser"**>

<wsdl:input message=**"tns:updateUser"** name=**"updateUser"**>

</wsdl:input>

<wsdl:output message=**"tns:updateUserResponse"** name=**"updateUserResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateCandidate"**>

<wsdl:input message=**"tns:updateCandidate"** name=**"updateCandidate"**>

</wsdl:input>

<wsdl:output message=**"tns:updateCandidateResponse"** name=**"updateCandidateResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteEntities"**>

<wsdl:input message=**"tns:deleteEntities"** name=**"deleteEntities"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteEntitiesResponse"** name=**"deleteEntitiesResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"storeVzdMappings"**>

<wsdl:input message=**"tns:storeVzdMappings"** name=**"storeVzdMappings"**>

</wsdl:input>

<wsdl:output message=**"tns:storeVzdMappingsResponse"** name=**"storeVzdMappingsResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateOrganization"**>

<wsdl:input message=**"tns:updateOrganization"** name=**"updateOrganization"**>

</wsdl:input>

<wsdl:output message=**"tns:updateOrganizationResponse"** name=**"updateOrganizationResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listEntities"**>

<wsdl:input message=**"tns:listEntities"** name=**"listEntities"**>

</wsdl:input>

<wsdl:output message=**"tns:listEntitiesResponse"** name=**"listEntitiesResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteAppRolPrmMapping"**>

<wsdl:input message=**"tns:deleteAppRolPrmMapping"** name=**"deleteAppRolPrmMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteAppRolPrmMappingResponse"** name=**"deleteAppRolPrmMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listCertificate"**>

<wsdl:input message=**"tns:listCertificate"** name=**"listCertificate"**>

</wsdl:input>

<wsdl:output message=**"tns:listCertificateResponse"** name=**"listCertificateResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateRole"**>

<wsdl:input message=**"tns:updateRole"** name=**"updateRole"**>

</wsdl:input>

<wsdl:output message=**"tns:updateRoleResponse"** name=**"updateRoleResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createPermission"**>

<wsdl:input message=**"tns:createPermission"** name=**"createPermission"**>

</wsdl:input>

<wsdl:output message=**"tns:createPermissionResponse"** name=**"createPermissionResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createEntity"**>

<wsdl:input message=**"tns:createEntity"** name=**"createEntity"**>

</wsdl:input>

<wsdl:output message=**"tns:createEntityResponse"** name=**"createEntityResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAppIdsForUser"**>

<wsdl:input message=**"tns:listAppIdsForUser"** name=**"listAppIdsForUser"**>

</wsdl:input>

<wsdl:output message=**"tns:listAppIdsForUserResponse"** name=**"listAppIdsForUserResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAuthorizationMapping"**>

<wsdl:input message=**"tns:listAuthorizationMapping"** name=**"listAuthorizationMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:listAuthorizationMappingResponse"** name=**"listAuthorizationMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listRole"**>

<wsdl:input message=**"tns:listRole"** name=**"listRole"**>

</wsdl:input>

<wsdl:output message=**"tns:listRoleResponse"** name=**"listRoleResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteUser"**>

<wsdl:input message=**"tns:deleteUser"** name=**"deleteUser"**>

</wsdl:input>

<wsdl:output message=**"tns:deleteUserResponse"** name=**"deleteUserResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createVzdMapping"**>

<wsdl:input message=**"tns:createVzdMapping"** name=**"createVzdMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:createVzdMappingResponse"** name=**"createVzdMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createCertificateIssuer"**>

<wsdl:input message=**"tns:createCertificateIssuer"** name=**"createCertificateIssuer"**>

</wsdl:input>

<wsdl:output message=**"tns:createCertificateIssuerResponse"** name=**"createCertificateIssuerResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateContact"**>

<wsdl:input message=**"tns:updateContact"** name=**"updateContact"**>

</wsdl:input>

<wsdl:output message=**"tns:updateContactResponse"** name=**"updateContactResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createPermissionGroup"**>

<wsdl:input message=**"tns:createPermissionGroup"** name=**"createPermissionGroup"**>

</wsdl:input>

<wsdl:output message=**"tns:createPermissionGroupResponse"** name=**"createPermissionGroupResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listOrgUnitAppRolPrmMapping"**>

<wsdl:input message=**"tns:listOrgUnitAppRolPrmMapping"** name=**"listOrgUnitAppRolPrmMapping"**>

</wsdl:input>

<wsdl:output message=**"tns:listOrgUnitAppRolPrmMappingResponse"** name=**"listOrgUnitAppRolPrmMappingResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createOrganization"**>

<wsdl:input message=**"tns:createOrganization"** name=**"createOrganization"**>

</wsdl:input>

<wsdl:output message=**"tns:createOrganizationResponse"** name=**"createOrganizationResponse"**>

</wsdl:output>

<wsdl:fault message=**"tns:VSInternalError"** name=**"VSInternalError"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSAccessDenied"** name=**"VSAccessDenied"**>

</wsdl:fault>

<wsdl:fault message=**"tns:VSInvalidParameter"** name=**"VSInvalidParameter"**>

</wsdl:fault>

</wsdl:operation>

</wsdl:portType>

<wsdl:binding name=**"VarnostnaSchemaAdminServiceSoapBinding"** type=**"tns:VarnostnaSchemaAdmin"**>

<soap:binding style=**"document"** transport=**"http://schemas.xmlsoap.org/soap/http"**/>

<wsdl:operation name=**"updateEntity"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateEntity"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateEntityResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateAppRolPrmMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateAppRolPrmMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateAppRolPrmMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteAppCertIssuers"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteAppCertIssuers"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteAppCertIssuersResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updatePermission"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updatePermission"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updatePermissionResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAllUserRolesForApp"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listAllUserRolesForApp"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listAllUserRolesForAppResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createCandidate"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createCandidate"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createCandidateResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateApplication"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateApplication"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateApplicationResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateCertificateIssuer"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateCertificateIssuer"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateCertificateIssuerResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deletePermission"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deletePermission"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deletePermissionResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteAuthorizationMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteAuthorizationMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteAuthorizationMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteCertificate"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteCertificate"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteCertificateResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createCandidateRole"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createCandidateRole"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createCandidateRoleResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteApplication"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteApplication"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteApplicationResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createApplication"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createApplication"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createApplicationResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAppRolPrmMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listAppRolPrmMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listAppRolPrmMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteOrganization"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteOrganization"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteOrganizationResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deletePermissionGroup"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deletePermissionGroup"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deletePermissionGroupResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"ping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"ping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"pingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createEntities"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createEntities"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createEntitiesResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateCandidateRole"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateCandidateRole"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateCandidateRoleResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createOrgUnitAppRolPrmMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createOrgUnitAppRolPrmMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createOrgUnitAppRolPrmMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createCertificate"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createCertificate"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createCertificateResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAllUserRoleNames"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listAllUserRoleNames"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listAllUserRoleNamesResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateEntities"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateEntities"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateEntitiesResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createUser"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createUser"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createUserResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updatePermissionGroup"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updatePermissionGroup"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updatePermissionGroupResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listPermission"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listPermission"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listPermissionResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listCandidate"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listCandidate"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listCandidateResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"userRoleImport"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"userRoleImport"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"userRoleImportResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteCandidate"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteCandidate"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteCandidateResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createOrgUnitType"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createOrgUnitType"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createOrgUnitTypeResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listContact"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listContact"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listContactResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateOrgUnitType"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateOrgUnitType"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateOrgUnitTypeResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteOrgUnitType"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteOrgUnitType"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteOrgUnitTypeResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listOrgUnitType"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listOrgUnitType"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listOrgUnitTypeResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listUser"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listUser"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listUserResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteRole"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteRole"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteRoleResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateOrgUnitAppRolPrmMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateOrgUnitAppRolPrmMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateOrgUnitAppRolPrmMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deactivateVzdMappings"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deactivateVzdMappings"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deactivateVzdMappingsResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateAuthorizationMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateAuthorizationMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateAuthorizationMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createAuthorizationMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createAuthorizationMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createAuthorizationMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listCertificateIssuer"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listCertificateIssuer"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listCertificateIssuerResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listApplication"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listApplication"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listApplicationResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateCertificate"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateCertificate"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateCertificateResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listOrganization"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listOrganization"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listOrganizationResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteCandidateRole"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteCandidateRole"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteCandidateRoleResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteContact"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteContact"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteContactResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteEntity"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteEntity"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteEntityResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listPermissionGroup"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listPermissionGroup"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listPermissionGroupResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteCertificateIssuer"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteCertificateIssuer"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteCertificateIssuerResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createAppCertIssuers"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createAppCertIssuers"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createAppCertIssuersResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createAppRolPrmMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createAppRolPrmMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createAppRolPrmMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteOrgUnitAppRolPrmMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteOrgUnitAppRolPrmMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteOrgUnitAppRolPrmMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listCandidateRole"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listCandidateRole"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listCandidateRoleResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createRole"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createRole"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createRoleResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createContact"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createContact"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createContactResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateUser"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateUser"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateUserResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"storeVzdMappings"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"storeVzdMappings"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"storeVzdMappingsResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteEntities"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteEntities"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteEntitiesResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateCandidate"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateCandidate"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateCandidateResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteAppRolPrmMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteAppRolPrmMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteAppRolPrmMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listEntities"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listEntities"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listEntitiesResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateOrganization"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateOrganization"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateOrganizationResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listCertificate"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listCertificate"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listCertificateResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createEntity"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createEntity"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createEntityResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createPermission"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createPermission"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createPermissionResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateRole"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateRole"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateRoleResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAppIdsForUser"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listAppIdsForUser"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listAppIdsForUserResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listAuthorizationMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listAuthorizationMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listAuthorizationMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listRole"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listRole"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listRoleResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"deleteUser"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"deleteUser"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"deleteUserResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createVzdMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createVzdMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createVzdMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createCertificateIssuer"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createCertificateIssuer"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createCertificateIssuerResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"updateContact"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"updateContact"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"updateContactResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createPermissionGroup"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createPermissionGroup"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createPermissionGroupResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"createOrganization"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"createOrganization"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"createOrganizationResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name=**"listOrgUnitAppRolPrmMapping"**>

<soap:operation soapAction=**""** style=**"document"**/>

<wsdl:input name=**"listOrgUnitAppRolPrmMapping"**>

<soap:body use=**"literal"**/>

</wsdl:input>

<wsdl:output name=**"listOrgUnitAppRolPrmMappingResponse"**>

<soap:body use=**"literal"**/>

</wsdl:output>

<wsdl:fault name=**"VSInternalError"**>

<soap:fault name=**"VSInternalError"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSAccessDenied"**>

<soap:fault name=**"VSAccessDenied"** use=**"literal"**/>

</wsdl:fault>

<wsdl:fault name=**"VSInvalidParameter"**>

<soap:fault name=**"VSInvalidParameter"** use=**"literal"**/>

</wsdl:fault>

</wsdl:operation>

</wsdl:binding>

<wsdl:service name=**"VarnostnaSchemaAdminService"**>

<wsdl:port binding=**"tns:VarnostnaSchemaAdminServiceSoapBinding"** name=**"VarnostnaSchemaAdminPort"**>

<soap:address location=**"https://storitve.ezdrav.si/VS.webservices/services/vsAdmin"**/>

</wsdl:port>

</wsdl:service>

</wsdl:definitions>