UAM Directory Services

Provides methods which allow administration of UAM.

The following operations are supported. For a formal definition, please review the [**Service Description**](http://localhost:58726/DirectoryServices.asmx?WSDL).

* [**CreateInstitution**](http://localhost:58726/DirectoryServices.asmx?op=CreateInstitution)   
  Creates a new institiution based on the passed Institution object.
* [**CreateUserAccount**](http://localhost:58726/DirectoryServices.asmx?op=CreateUserAccount)   
  Creates a new user account based on the passed UserAccount object.
* [**DeleteInstitution**](http://localhost:58726/DirectoryServices.asmx?op=DeleteInstitution)   
  Deletes an entire institution from the database and Active Directory.
* [**DeleteUserAccount**](http://localhost:58726/DirectoryServices.asmx?op=DeleteUserAccount)   
  Delete user account from Active Directory and database
* [**DeleteUserAccountFromActiveDirectory**](http://localhost:58726/DirectoryServices.asmx?op=DeleteUserAccountFromActiveDirectory)   
  Deletes the user account.
* [**GetApplicationRoles**](http://localhost:58726/DirectoryServices.asmx?op=GetApplicationRoles)   
  Retrieves all the available application roles.
* [**GetExternalUsersForInstitutionAndRoles**](http://localhost:58726/DirectoryServices.asmx?op=GetExternalUsersForInstitutionAndRoles)   
  Retrieves a list of external institution users in specified roles.
* [**GetInstitution**](http://localhost:58726/DirectoryServices.asmx?op=GetInstitution)   
  Retrieves the Institution object based on the passed institution ID (GUID).
* [**GetInstitutions**](http://localhost:58726/DirectoryServices.asmx?op=GetInstitutions)   
  Retrieves all institutions in UAM.
* [**GetLandingPageLinkDisplay**](http://localhost:58726/DirectoryServices.asmx?op=GetLandingPageLinkDisplay)   
  Get Landing Page Link object
* [**GetUserAccount**](http://localhost:58726/DirectoryServices.asmx?op=GetUserAccount)   
  Retrieves the user account associated with the passed username.
* [**IsInternalFHLBUser**](http://localhost:58726/DirectoryServices.asmx?op=IsInternalFHLBUser)   
  Is Internal User returns true if user is a member of the FHLBSea.local domain (e.g. is an intenal user
* [**ListApplicationErrors**](http://localhost:58726/DirectoryServices.asmx?op=ListApplicationErrors)   
  Retrieves errors logged within a given timeframe.
* [**ListApplicationRoleUsers**](http://localhost:58726/DirectoryServices.asmx?op=ListApplicationRoleUsers)   
  List the users with the given application role.
* [**ListApplicationRoles**](http://localhost:58726/DirectoryServices.asmx?op=ListApplicationRoles)   
  Retrieves a list of all the available application roles.
* [**ListApplications**](http://localhost:58726/DirectoryServices.asmx?op=ListApplications)   
  Retrieves a list of all the available applications.
* [**ListAssignableApplicationInstitutionRoles**](http://localhost:58726/DirectoryServices.asmx?op=ListAssignableApplicationInstitutionRoles)   
  Retrieves a list of assignable application roles for a given application and user.
* [**ListAssignableApplicationInstitutions**](http://localhost:58726/DirectoryServices.asmx?op=ListAssignableApplicationInstitutions)   
  Retrieves a list of institutions assignable for an application from a given user.
* [**ListAssignableApplicationRoles**](http://localhost:58726/DirectoryServices.asmx?op=ListAssignableApplicationRoles)   
  Retrieves a list of assignable application roles for a given application and user.
* [**ListAssignableApplications**](http://localhost:58726/DirectoryServices.asmx?op=ListAssignableApplications)   
  Retrieves a list of applications assignable from a given user.
* [**ListCounties**](http://localhost:58726/DirectoryServices.asmx?op=ListCounties)   
  Retrieves a list of counties for a given state.
* [**ListDepartments**](http://localhost:58726/DirectoryServices.asmx?op=ListDepartments)   
  Retrieves a list of all the available departments.
* [**ListGroupUsers**](http://localhost:58726/DirectoryServices.asmx?op=ListGroupUsers)   
  List the users with the given group name.
* [**ListInstitutionUsers**](http://localhost:58726/DirectoryServices.asmx?op=ListInstitutionUsers)   
  Retrieves a list of institution users.
* [**ListInstitutions**](http://localhost:58726/DirectoryServices.asmx?op=ListInstitutions)   
  Retrieves a list of institutions to which the user has privileges.
* [**ListInstitutionsByName**](http://localhost:58726/DirectoryServices.asmx?op=ListInstitutionsByName)   
  Retrieves a list of institution by name (or docket #)
* [**ListInstitutionsByType**](http://localhost:58726/DirectoryServices.asmx?op=ListInstitutionsByType)   
  Retrieves a list of institutions (by type) to which the user has privileges.
* [**ListStates**](http://localhost:58726/DirectoryServices.asmx?op=ListStates)   
  Retrieves a list of states.
* [**ListUserAccounts**](http://localhost:58726/DirectoryServices.asmx?op=ListUserAccounts)   
  Retrieves a list of users matching account name, first name, middle name, or last name.
* [**ListUserAdministrators**](http://localhost:58726/DirectoryServices.asmx?op=ListUserAdministrators)   
  Retrieves a list of user accounts that represent the administrators for institutions to which the user has permissions.
* [**ListUserApplicationInstitutionRoles**](http://localhost:58726/DirectoryServices.asmx?op=ListUserApplicationInstitutionRoles)   
  Retrieves a list of application roles for a given application and user.
* [**ListUserApplicationInstitutions**](http://localhost:58726/DirectoryServices.asmx?op=ListUserApplicationInstitutions)   
  Retrieves a list of institutions for a given application and user.
* [**ListUserApplicationRoles**](http://localhost:58726/DirectoryServices.asmx?op=ListUserApplicationRoles)   
  Retrieves a list of application roles for a given application and user.
* [**ListUserApplications**](http://localhost:58726/DirectoryServices.asmx?op=ListUserApplications)   
  Retrieves a list of applications assigned to a given user.
* [**ListUserGroups**](http://localhost:58726/DirectoryServices.asmx?op=ListUserGroups)   
  Lists all groups that internal user is member of.
* [**ListUserInstitutions**](http://localhost:58726/DirectoryServices.asmx?op=ListUserInstitutions)
* [**ListUsers**](http://localhost:58726/DirectoryServices.asmx?op=ListUsers)   
  Retrieves a list of users matching account name, first name, middle name, or last name.
* [**MergeInstitution**](http://localhost:58726/DirectoryServices.asmx?op=MergeInstitution)   
  Merges two institutions.
* [**PrepareTaskForDeletion**](http://localhost:58726/DirectoryServices.asmx?op=PrepareTaskForDeletion)   
  Creates a task for approving deletion process
* [**ResetPassword**](http://localhost:58726/DirectoryServices.asmx?op=ResetPassword)   
  Resets the password for the user associated with the passed user ID (GUID).
* [**UpdateInstitution**](http://localhost:58726/DirectoryServices.asmx?op=UpdateInstitution)   
  Updates the institiution based on the passed Institution object.
* [**UpdateUserAccount**](http://localhost:58726/DirectoryServices.asmx?op=UpdateUserAccount)   
  Updates the user account based on the passed UserAccount object.

Web Service Definition Language:

  <?xml version="1.0" encoding="utf-8" ?>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:definitions xmlns:soap="**http://schemas.xmlsoap.org/wsdl/soap/**" xmlns:tm="**http://microsoft.com/wsdl/mime/textMatching/**" xmlns:soapenc="**http://schemas.xmlsoap.org/soap/encoding/**" xmlns:mime="**http://schemas.xmlsoap.org/wsdl/mime/**" xmlns:tns="**http://namespace.fhlbsea.com/webservices/**" xmlns:s1="**http://microsoft.com/wsdl/types/**" xmlns:s="**http://www.w3.org/2001/XMLSchema**" xmlns:soap12="**http://schemas.xmlsoap.org/wsdl/soap12/**" xmlns:http="**http://schemas.xmlsoap.org/wsdl/http/**" targetNamespace="**http://namespace.fhlbsea.com/webservices/**" xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Provides methods which allow administration of UAM.</wsdl:documentation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:types>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:schema elementFormDefault="**qualified**" targetNamespace="**http://namespace.fhlbsea.com/webservices/**">

  <s:import namespace="**http://microsoft.com/wsdl/types/**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListApplicationErrors**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**fromDateTime**" type="**s:dateTime**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**toDateTime**" type="**s:dateTime**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListApplicationErrorsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListApplicationErrorsResult**" type="**tns:ArrayOfApplicationError**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfApplicationError**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**ApplicationError**" nillable="**true**" type="**tns:ApplicationError**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ApplicationError**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**ID**" type="**s1:guid**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**UserName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**PageName**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**ErrorDateTime**" type="**s:dateTime**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ErrorDescription**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**InnerException**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**StackTrace**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListStates**">

  <s:complexType />

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListStatesResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListStatesResult**" type="**tns:ArrayOfState**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfState**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**State**" nillable="**true**" type="**tns:State**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**State**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**StateCode**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**StateName**" type="**s:string**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**Entity**" abstract="**true**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**ID**" type="**s1:guid**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**EntityAction**" type="**tns:EntityAction**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**CreatedBy**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**CreatedOn**" type="**s:dateTime**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**LastModifiedBy**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**LastModifiedOn**" type="**s:dateTime**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**EntityAction**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**None**" />

  <s:enumeration value="**INS**" />

  <s:enumeration value="**UPD**" />

  <s:enumeration value="**DEL**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListCounties**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**stateCode**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListCountiesResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListCountiesResult**" type="**tns:ArrayOfCounty**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfCounty**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**County**" nillable="**true**" type="**tns:County**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**County**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**StateCode**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**CountyID**" type="**s:int**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**CountyName**" type="**s:string**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListApplications**">

  <s:complexType />

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListApplicationsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListApplicationsResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfEntityReference**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**EntityReference**" nillable="**true**" type="**tns:EntityReference**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**EntityReference**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**ID**" type="**s1:guid**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**ParentID**" type="**s1:guid**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Name**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Description**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserApplications**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserApplicationsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListUserApplicationsResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListAssignableApplications**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListAssignableApplicationsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListAssignableApplicationsResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListAssignableApplicationInstitutions**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**applicationID**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListAssignableApplicationInstitutionsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListAssignableApplicationInstitutionsResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListAssignableApplicationRoles**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**applicationID**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListAssignableApplicationRolesResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListAssignableApplicationRolesResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListAssignableApplicationInstitutionRoles**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**applicationID**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institutionID**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListAssignableApplicationInstitutionRolesResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListAssignableApplicationInstitutionRolesResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListApplicationRoles**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**applicationID**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**scope**" type="**tns:PermissionScope**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**PermissionScope**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Application**" />

  <s:enumeration value="**Institution**" />

  <s:enumeration value="**Department**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListApplicationRolesResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListApplicationRolesResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserApplicationRoles**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**applicationID**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserApplicationRolesResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListUserApplicationRolesResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserApplicationInstitutionRoles**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**applicationID**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institutionID**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserApplicationInstitutionRolesResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListUserApplicationInstitutionRolesResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListDepartments**">

  <s:complexType />

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListDepartmentsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListDepartmentsResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListInstitutions**">

  <s:complexType />

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListInstitutionsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListInstitutionsResult**" type="**tns:ArrayOfInstitution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfInstitution**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**Institution**" nillable="**true**" type="**tns:Institution**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**Institution**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Parent**" type="**tns:EntityReference**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**InstitutionType**" type="**tns:InstitutionType**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**InstitutionName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Description**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**CustomerNumber**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**InstitutionTaxID**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**IsActive**" type="**s:boolean**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**EffectiveFromDate**" type="**s:dateTime**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**EffectiveThroughDate**" type="**s:dateTime**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**BankType**" type="**tns:BankType**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**OwnershipType**" type="**tns:OwnershipType**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**RegulatorType**" type="**tns:RegulatorType**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**CharterType**" type="**tns:CharterType**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**InsuranceType**" type="**tns:InsuranceType**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**ReportingAgencyType**" type="**tns:ReportingAgencyType**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**MppPartType**" type="**tns:MppPartType**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**County**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**City**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**State**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**CraDate**" type="**s:dateTime**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**CraRating**" type="**tns:CraRating**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**Founded**" type="**s:dateTime**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**MarketingRep**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**CrdRep**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**WebSite**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ContactInfo**" type="**tns:ArrayOfContactInfo**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**PostalAddresses**" type="**tns:ArrayOfPostalAddress**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**PrimaryPhone**" type="**tns:ContactInfo**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**PrimaryFax**" type="**tns:ContactInfo**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**StatementAddress**" type="**tns:PostalAddress**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**InstitutionType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**NotApplicable**" />

  <s:enumeration value="**MemberBank**" />

  <s:enumeration value="**CustomerBank**" />

  <s:enumeration value="**Sponsor**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**BankType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Unknown**" />

  <s:enumeration value="**SavingsAndLoan**" />

  <s:enumeration value="**SavingsBank**" />

  <s:enumeration value="**InsuranceComp**" />

  <s:enumeration value="**MutSavBank**" />

  <s:enumeration value="**CreditUnion**" />

  <s:enumeration value="**CommBank**" />

  <s:enumeration value="**GovtAgency**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**OwnershipType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Unknown**" />

  <s:enumeration value="**Mutual**" />

  <s:enumeration value="**Stock**" />

  <s:enumeration value="**InsuranceCompany**" />

  <s:enumeration value="**GovernmentStatute**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**RegulatorType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Unknown**" />

  <s:enumeration value="**OTS**" />

  <s:enumeration value="**OCC**" />

  <s:enumeration value="**State**" />

  <s:enumeration value="**NCUA**" />

  <s:enumeration value="**Other**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**CharterType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Unknown**" />

  <s:enumeration value="**Federal**" />

  <s:enumeration value="**State**" />

  <s:enumeration value="**InsuranceCompany**" />

  <s:enumeration value="**GovernmentStatute**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**InsuranceType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Unknown**" />

  <s:enumeration value="**SAIF**" />

  <s:enumeration value="**BIF**" />

  <s:enumeration value="**InsuranceComp**" />

  <s:enumeration value="**Private**" />

  <s:enumeration value="**NCUSIF**" />

  <s:enumeration value="**Other**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**ReportingAgencyType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Unknown**" />

  <s:enumeration value="**FDIC**" />

  <s:enumeration value="**OTS**" />

  <s:enumeration value="**NCUA**" />

  <s:enumeration value="**State**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**MppPartType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Unknown**" />

  <s:enumeration value="**SellerAndServicer**" />

  <s:enumeration value="**Seller**" />

  <s:enumeration value="**Servicer**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**CraRating**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Unrated**" />

  <s:enumeration value="**NotApplicable**" />

  <s:enumeration value="**Outstanding**" />

  <s:enumeration value="**Satisfactory**" />

  <s:enumeration value="**NeedsImprovement**" />

  <s:enumeration value="**NonCompliant**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfContactInfo**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**ContactInfo**" nillable="**true**" type="**tns:ContactInfo**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ContactInfo**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Parent**" type="**tns:EntityReference**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**ContactInfoType**" type="**tns:ContactInfoType**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**IsDefault**" type="**s:boolean**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Info**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**InfoExtension**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**CustomLabel**" type="**s:string**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**ContactInfoType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**WorkPhone**" />

  <s:enumeration value="**HomePhone**" />

  <s:enumeration value="**AssistantPhone**" />

  <s:enumeration value="**MobilePhone**" />

  <s:enumeration value="**WorkEmail**" />

  <s:enumeration value="**HomeEmail**" />

  <s:enumeration value="**AssistantEmail**" />

  <s:enumeration value="**WorkFax**" />

  <s:enumeration value="**HomeFax**" />

  <s:enumeration value="**AssistantFax**" />

  <s:enumeration value="**Pager**" />

  <s:enumeration value="**CorporatePhone**" />

  <s:enumeration value="**CorporateFax**" />

  <s:enumeration value="**Custom**" />

  <s:enumeration value="**PrimaryEmail**" />

  <s:enumeration value="**PrimaryPhone**" />

  <s:enumeration value="**PrimaryFax**" />

  <s:enumeration value="**TollFree**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfPostalAddress**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**PostalAddress**" nillable="**true**" type="**tns:PostalAddress**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**PostalAddress**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Parent**" type="**tns:EntityReference**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**PostalAddressType**" type="**tns:PostalAddressType**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**IsDefault**" type="**s:boolean**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**RefInstitutionID**" type="**s1:guid**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**RefPostalAddressType**" type="**tns:PostalAddressType**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**StreetAddress1**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**StreetAddress2**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**City**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**State**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**CountyID**" type="**s:int**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Zipcode**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**CustomLabel**" type="**s:string**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**PostalAddressType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:enumeration value="**Work**" />

  <s:enumeration value="**Statement**" />

  <s:enumeration value="**Corporate**" />

  <s:enumeration value="**Charter**" />

  <s:enumeration value="**Home**" />

  <s:enumeration value="**Custom**" />

  <s:enumeration value="**Primary**" />

  <s:enumeration value="**Mailing**" />

  </s:restriction>

  </s:simpleType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListInstitutionsByType**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**type**" type="**tns:InstitutionType**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListInstitutionsByTypeResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListInstitutionsByTypeResult**" type="**tns:ArrayOfInstitution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserInstitutions**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserInstitutionsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListUserInstitutionsResult**" type="**tns:ArrayOfInstitution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetExternalUsersForInstitutionAndRoles**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institutionID**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**roles**" type="**tns:ArrayOfGuid**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfGuid**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**guid**" type="**s1:guid**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetExternalUsersForInstitutionAndRolesResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**GetExternalUsersForInstitutionAndRolesResult**" type="**tns:ArrayOfUserAccount**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfUserAccount**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**UserAccount**" nillable="**true**" type="**tns:UserAccount**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**UserAccount**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Application**" type="**tns:EntityReference**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**UserAccountName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**InstitutionName**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**InstitutionID**" type="**s1:guid**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**SecretQuestion**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**SecretAnswer**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**ForceChangePassword**" type="**s:boolean**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**FullName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**FirstName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**LastName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**MiddleName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Salutation**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Suffix**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Title**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Organization**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Department**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**DirectoryRanking**" type="**s:int**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**EffectiveFromDate**" type="**s:dateTime**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**EffectiveThroughDate**" type="**s:dateTime**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**LastLogin**" type="**s:dateTime**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Institutions**" type="**tns:ArrayOfEntityMembership**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ApplicationRoles**" type="**tns:ArrayOfUserApplicationRole**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**UniqueApplicationRoles**" type="**tns:ArrayOfUserApplicationRole**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ContactInfo**" type="**tns:ArrayOfContactInfo**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Departments**" type="**tns:ArrayOfEntityMembership**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**PostalAddresses**" type="**tns:ArrayOfPostalAddress**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**PrimaryEmail**" type="**tns:ContactInfo**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**PrimaryPhone**" type="**tns:ContactInfo**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**PrimaryFax**" type="**tns:ContactInfo**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**PrimaryAddress**" type="**tns:PostalAddress**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfEntityMembership**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**EntityMembership**" nillable="**true**" type="**tns:EntityMembership**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**EntityMembership**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**From**" type="**tns:EntityReference**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**To**" type="**tns:EntityMap**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**EntityMap**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**From**" type="**tns:EntityReference**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**To**" type="**tns:EntityReference**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfUserApplicationRole**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**UserApplicationRole**" nillable="**true**" type="**tns:UserApplicationRole**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**UserApplicationRole**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ApplicationRole**" type="**tns:ApplicationRole**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**RoleTarget**" type="**tns:EntityReference**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ApplicationRole**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Application**" type="**tns:EntityReference**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**SubApplication**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Name**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**InstitutionID**" type="**s1:guid**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Description**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ADGroup**" type="**s:string**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**PermissionScope**" type="**tns:PermissionScope**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**InstitutionType**" type="**tns:InstitutionType**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListInstitutionUsers**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institutionID**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListInstitutionUsersResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListInstitutionUsersResult**" type="**tns:ArrayOfUserAccount**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**IsInternalFHLBUser**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**alias**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**IsInternalFHLBUserResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**IsInternalFHLBUserResult**" type="**s:boolean**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetLandingPageLinkDisplay**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userAlias**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetLandingPageLinkDisplayResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**GetLandingPageLinkDisplayResult**" type="**tns:LandingPageLinkDisplay**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**LandingPageLinkDisplay**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**OLB**" type="**s:boolean**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**UAM**" type="**s:boolean**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**AHP**" type="**s:boolean**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**HSP**" type="**s:boolean**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**CIA**" type="**s:boolean**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListInstitutionsByName**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institutionID**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListInstitutionsByNameResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListInstitutionsByNameResult**" type="**tns:ArrayOfInstitution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserApplicationInstitutions**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**applicationID**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserApplicationInstitutionsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListUserApplicationInstitutionsResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUsers**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUsersResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListUsersResult**" type="**tns:ArrayOfUserAccount**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserAdministrators**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserAdministratorsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListUserAdministratorsResult**" type="**tns:ArrayOfUserAccount**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserAccounts**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**firstName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**secondName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institutionString**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institutions**" type="**tns:ArrayOfInstitution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserAccountsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListUserAccountsResult**" type="**tns:ArrayOfUserAccount**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ResetPassword**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**newPassword**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ResetPasswordResponse**">

  <s:complexType />

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetUserAccount**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetUserAccountResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**GetUserAccountResult**" type="**tns:UserAccount**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetApplicationRoles**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**applicationID**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetApplicationRolesResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**GetApplicationRolesResult**" type="**tns:ArrayOfApplicationRole**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfApplicationRole**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**ApplicationRole**" nillable="**true**" type="**tns:ApplicationRole**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**DeleteUserAccount**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**contactID**" type="**s1:guid**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**DeleteUserAccountResponse**">

  <s:complexType />

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**CreateUserAccount**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**user**" type="**tns:UserAccount**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**password**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**CreateUserAccountResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**CreateUserAccountResult**" type="**tns:UserAccount**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**UpdateUserAccount**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**user**" type="**tns:UserAccount**" />

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**notifyTaskWorkflow**" type="**s:boolean**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**UpdateUserAccountResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**UpdateUserAccountResult**" type="**tns:UserAccount**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**PrepareTaskForDeletion**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**PrepareTaskForDeletionResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**1**" maxOccurs="**1**" name="**PrepareTaskForDeletionResult**" type="**s:boolean**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**DeleteUserAccountFromActiveDirectory**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**userName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**DeleteUserAccountFromActiveDirectoryResponse**">

  <s:complexType />

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetInstitution**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institutionID**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetInstitutionResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**GetInstitutionResult**" type="**tns:Institution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetInstitutions**">

  <s:complexType />

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**GetInstitutionsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**GetInstitutionsResult**" type="**tns:ArrayOfInstitution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**CreateInstitution**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institution**" type="**tns:Institution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**CreateInstitutionResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**CreateInstitutionResult**" type="**tns:Institution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**UpdateInstitution**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institution**" type="**tns:Institution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**UpdateInstitutionResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**UpdateInstitutionResult**" type="**tns:Institution**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**MergeInstitution**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**acquiredInsitution**" type="**tns:InstitutionData**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**acquiringInstitution**" type="**tns:InstitutionData**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**InstitutionData**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Name**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**CustomerNumber**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**StreetAddress**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**City**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**State**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ZipCode**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Phone**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ContactFirstName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ContactLastName**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ContactPhone**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ContactEmail**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ContactDepartment**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ParentCustomerNumber**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**MergeInstitutionResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**MergeInstitutionResult**" type="**tns:InstitutionData**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**DeleteInstitution**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**institutionID**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**DeleteInstitutionResponse**">

  <s:complexType />

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListApplicationRoleUsers**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**applicationRoleID**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListApplicationRoleUsersResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListApplicationRoleUsersResult**" type="**tns:ArrayOfEntityReference**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListGroupUsers**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**groupName**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListGroupUsersResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListGroupUsersResult**" type="**tns:ArrayOfUser**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfUser**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**User**" nillable="**true**" type="**tns:User**" />

  </s:sequence>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**User**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexContent mixed="**false**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:extension base="**tns:Entity**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**Name**" type="**s:string**" />

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**SamAccountName**" type="**s:string**" />

  </s:sequence>

  </s:extension>

  </s:complexContent>

  </s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserGroups**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**loggedUser**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:element name="**ListUserGroupsResponse**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**1**" name="**ListUserGroupsResult**" type="**tns:ArrayOfString**" />

  </s:sequence>

  </s:complexType>

  </s:element>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:complexType name="**ArrayOfString**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:sequence>

  <s:element minOccurs="**0**" maxOccurs="**unbounded**" name="**string**" nillable="**true**" type="**s:string**" />

  </s:sequence>

  </s:complexType>

  </s:schema>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:schema elementFormDefault="**qualified**" targetNamespace="**http://microsoft.com/wsdl/types/**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:simpleType name="**guid**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <s:restriction base="**s:string**">

  <s:pattern value="**[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}**" />

  </s:restriction>

  </s:simpleType>

  </s:schema>

  </wsdl:types>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListApplicationErrorsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListApplicationErrorsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListStatesSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListStatesSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListCountiesSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListCountiesSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListApplicationsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListApplicationsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserApplicationsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserApplicationsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListAssignableApplicationsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListAssignableApplicationsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListAssignableApplicationInstitutionsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListAssignableApplicationInstitutionsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListAssignableApplicationRolesSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListAssignableApplicationRolesSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListAssignableApplicationInstitutionRolesSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListAssignableApplicationInstitutionRolesSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListApplicationRolesSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListApplicationRolesSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserApplicationRolesSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserApplicationRolesSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserApplicationInstitutionRolesSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserApplicationInstitutionRolesSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListDepartmentsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListDepartmentsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListInstitutionsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListInstitutionsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListInstitutionsByTypeSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListInstitutionsByTypeSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserInstitutionsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserInstitutionsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetExternalUsersForInstitutionAndRolesSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetExternalUsersForInstitutionAndRolesSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListInstitutionUsersSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListInstitutionUsersSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**IsInternalFHLBUserSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**IsInternalFHLBUserSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetLandingPageLinkDisplaySoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetLandingPageLinkDisplaySoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListInstitutionsByNameSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListInstitutionsByNameSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserApplicationInstitutionsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserApplicationInstitutionsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUsersSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUsersSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserAdministratorsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserAdministratorsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserAccountsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserAccountsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ResetPasswordSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ResetPasswordSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetUserAccountSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetUserAccountSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetApplicationRolesSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetApplicationRolesSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**DeleteUserAccountSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**DeleteUserAccountSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**CreateUserAccountSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**CreateUserAccountSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**UpdateUserAccountSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**UpdateUserAccountSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**PrepareTaskForDeletionSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**PrepareTaskForDeletionSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**DeleteUserAccountFromActiveDirectorySoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**DeleteUserAccountFromActiveDirectorySoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetInstitutionSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetInstitutionSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetInstitutionsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**GetInstitutionsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**CreateInstitutionSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**CreateInstitutionSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**UpdateInstitutionSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**UpdateInstitutionSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**MergeInstitutionSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**MergeInstitutionSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**DeleteInstitutionSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**DeleteInstitutionSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListApplicationRoleUsersSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListApplicationRoleUsersSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListGroupUsersSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListGroupUsersSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserGroupsSoapIn**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:message name="**ListUserGroupsSoapOut**">

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

  </wsdl:message>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:portType name="**UAM\_x0020\_Directory\_x0020\_ServicesSoap**">

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplicationErrors**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves errors logged within a given timeframe.</wsdl:documentation>

  <wsdl:input message="**tns:ListApplicationErrorsSoapIn**" />

  <wsdl:output message="**tns:ListApplicationErrorsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListStates**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of states.</wsdl:documentation>

  <wsdl:input message="**tns:ListStatesSoapIn**" />

  <wsdl:output message="**tns:ListStatesSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListCounties**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of counties for a given state.</wsdl:documentation>

  <wsdl:input message="**tns:ListCountiesSoapIn**" />

  <wsdl:output message="**tns:ListCountiesSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplications**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of all the available applications.</wsdl:documentation>

  <wsdl:input message="**tns:ListApplicationsSoapIn**" />

  <wsdl:output message="**tns:ListApplicationsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplications**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of applications assigned to a given user.</wsdl:documentation>

  <wsdl:input message="**tns:ListUserApplicationsSoapIn**" />

  <wsdl:output message="**tns:ListUserApplicationsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplications**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of applications assignable from a given user.</wsdl:documentation>

  <wsdl:input message="**tns:ListAssignableApplicationsSoapIn**" />

  <wsdl:output message="**tns:ListAssignableApplicationsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplicationInstitutions**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of institutions assignable for an application from a given user.</wsdl:documentation>

  <wsdl:input message="**tns:ListAssignableApplicationInstitutionsSoapIn**" />

  <wsdl:output message="**tns:ListAssignableApplicationInstitutionsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplicationRoles**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of assignable application roles for a given application and user.</wsdl:documentation>

  <wsdl:input message="**tns:ListAssignableApplicationRolesSoapIn**" />

  <wsdl:output message="**tns:ListAssignableApplicationRolesSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplicationInstitutionRoles**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of assignable application roles for a given application and user.</wsdl:documentation>

  <wsdl:input message="**tns:ListAssignableApplicationInstitutionRolesSoapIn**" />

  <wsdl:output message="**tns:ListAssignableApplicationInstitutionRolesSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplicationRoles**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of all the available application roles.</wsdl:documentation>

  <wsdl:input message="**tns:ListApplicationRolesSoapIn**" />

  <wsdl:output message="**tns:ListApplicationRolesSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplicationRoles**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of application roles for a given application and user.</wsdl:documentation>

  <wsdl:input message="**tns:ListUserApplicationRolesSoapIn**" />

  <wsdl:output message="**tns:ListUserApplicationRolesSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplicationInstitutionRoles**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of application roles for a given application and user.</wsdl:documentation>

  <wsdl:input message="**tns:ListUserApplicationInstitutionRolesSoapIn**" />

  <wsdl:output message="**tns:ListUserApplicationInstitutionRolesSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListDepartments**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of all the available departments.</wsdl:documentation>

  <wsdl:input message="**tns:ListDepartmentsSoapIn**" />

  <wsdl:output message="**tns:ListDepartmentsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutions**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of institutions to which the user has privileges.</wsdl:documentation>

  <wsdl:input message="**tns:ListInstitutionsSoapIn**" />

  <wsdl:output message="**tns:ListInstitutionsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutionsByType**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of institutions (by type) to which the user has privileges.</wsdl:documentation>

  <wsdl:input message="**tns:ListInstitutionsByTypeSoapIn**" />

  <wsdl:output message="**tns:ListInstitutionsByTypeSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserInstitutions**">

  <wsdl:input message="**tns:ListUserInstitutionsSoapIn**" />

  <wsdl:output message="**tns:ListUserInstitutionsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetExternalUsersForInstitutionAndRoles**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of external institution users in specified roles.</wsdl:documentation>

  <wsdl:input message="**tns:GetExternalUsersForInstitutionAndRolesSoapIn**" />

  <wsdl:output message="**tns:GetExternalUsersForInstitutionAndRolesSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutionUsers**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of institution users.</wsdl:documentation>

  <wsdl:input message="**tns:ListInstitutionUsersSoapIn**" />

  <wsdl:output message="**tns:ListInstitutionUsersSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**IsInternalFHLBUser**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Is Internal User returns true if user is a member of the FHLBSea.local domain (e.g. is an intenal user</wsdl:documentation>

  <wsdl:input message="**tns:IsInternalFHLBUserSoapIn**" />

  <wsdl:output message="**tns:IsInternalFHLBUserSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetLandingPageLinkDisplay**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Get Landing Page Link object</wsdl:documentation>

  <wsdl:input message="**tns:GetLandingPageLinkDisplaySoapIn**" />

  <wsdl:output message="**tns:GetLandingPageLinkDisplaySoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutionsByName**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of institution by name (or docket #)</wsdl:documentation>

  <wsdl:input message="**tns:ListInstitutionsByNameSoapIn**" />

  <wsdl:output message="**tns:ListInstitutionsByNameSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplicationInstitutions**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of institutions for a given application and user.</wsdl:documentation>

  <wsdl:input message="**tns:ListUserApplicationInstitutionsSoapIn**" />

  <wsdl:output message="**tns:ListUserApplicationInstitutionsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUsers**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of users matching account name, first name, middle name, or last name.</wsdl:documentation>

  <wsdl:input message="**tns:ListUsersSoapIn**" />

  <wsdl:output message="**tns:ListUsersSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserAdministrators**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of user accounts that represent the administrators for institutions to which the user has permissions.</wsdl:documentation>

  <wsdl:input message="**tns:ListUserAdministratorsSoapIn**" />

  <wsdl:output message="**tns:ListUserAdministratorsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserAccounts**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves a list of users matching account name, first name, middle name, or last name.</wsdl:documentation>

  <wsdl:input message="**tns:ListUserAccountsSoapIn**" />

  <wsdl:output message="**tns:ListUserAccountsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ResetPassword**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Resets the password for the user associated with the passed user ID (GUID).</wsdl:documentation>

  <wsdl:input message="**tns:ResetPasswordSoapIn**" />

  <wsdl:output message="**tns:ResetPasswordSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetUserAccount**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves the user account associated with the passed username.</wsdl:documentation>

  <wsdl:input message="**tns:GetUserAccountSoapIn**" />

  <wsdl:output message="**tns:GetUserAccountSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetApplicationRoles**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves all the available application roles.</wsdl:documentation>

  <wsdl:input message="**tns:GetApplicationRolesSoapIn**" />

  <wsdl:output message="**tns:GetApplicationRolesSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**DeleteUserAccount**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Delete user account from Active Directory and database</wsdl:documentation>

  <wsdl:input message="**tns:DeleteUserAccountSoapIn**" />

  <wsdl:output message="**tns:DeleteUserAccountSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**CreateUserAccount**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Creates a new user account based on the passed UserAccount object.</wsdl:documentation>

  <wsdl:input message="**tns:CreateUserAccountSoapIn**" />

  <wsdl:output message="**tns:CreateUserAccountSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**UpdateUserAccount**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Updates the user account based on the passed UserAccount object.</wsdl:documentation>

  <wsdl:input message="**tns:UpdateUserAccountSoapIn**" />

  <wsdl:output message="**tns:UpdateUserAccountSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**PrepareTaskForDeletion**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Creates a task for approving deletion process</wsdl:documentation>

  <wsdl:input message="**tns:PrepareTaskForDeletionSoapIn**" />

  <wsdl:output message="**tns:PrepareTaskForDeletionSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**DeleteUserAccountFromActiveDirectory**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Deletes the user account.</wsdl:documentation>

  <wsdl:input message="**tns:DeleteUserAccountFromActiveDirectorySoapIn**" />

  <wsdl:output message="**tns:DeleteUserAccountFromActiveDirectorySoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetInstitution**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves the Institution object based on the passed institution ID (GUID).</wsdl:documentation>

  <wsdl:input message="**tns:GetInstitutionSoapIn**" />

  <wsdl:output message="**tns:GetInstitutionSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetInstitutions**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Retrieves all institutions in UAM.</wsdl:documentation>

  <wsdl:input message="**tns:GetInstitutionsSoapIn**" />

  <wsdl:output message="**tns:GetInstitutionsSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**CreateInstitution**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Creates a new institiution based on the passed Institution object.</wsdl:documentation>

  <wsdl:input message="**tns:CreateInstitutionSoapIn**" />

  <wsdl:output message="**tns:CreateInstitutionSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**UpdateInstitution**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Updates the institiution based on the passed Institution object.</wsdl:documentation>

  <wsdl:input message="**tns:UpdateInstitutionSoapIn**" />

  <wsdl:output message="**tns:UpdateInstitutionSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**MergeInstitution**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Merges two institutions.</wsdl:documentation>

  <wsdl:input message="**tns:MergeInstitutionSoapIn**" />

  <wsdl:output message="**tns:MergeInstitutionSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**DeleteInstitution**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Deletes an entire institution from the database and Active Directory.</wsdl:documentation>

  <wsdl:input message="**tns:DeleteInstitutionSoapIn**" />

  <wsdl:output message="**tns:DeleteInstitutionSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplicationRoleUsers**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">List the users with the given application role.</wsdl:documentation>

  <wsdl:input message="**tns:ListApplicationRoleUsersSoapIn**" />

  <wsdl:output message="**tns:ListApplicationRoleUsersSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListGroupUsers**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">List the users with the given group name.</wsdl:documentation>

  <wsdl:input message="**tns:ListGroupUsersSoapIn**" />

  <wsdl:output message="**tns:ListGroupUsersSoapOut**" />

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserGroups**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Lists all groups that internal user is member of.</wsdl:documentation>

  <wsdl:input message="**tns:ListUserGroupsSoapIn**" />

  <wsdl:output message="**tns:ListUserGroupsSoapOut**" />

  </wsdl:operation>

  </wsdl:portType>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:binding name="**UAM\_x0020\_Directory\_x0020\_ServicesSoap**" type="**tns:UAM\_x0020\_Directory\_x0020\_ServicesSoap**">

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

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplicationErrors**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListApplicationErrors**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListStates**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListStates**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListCounties**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListCounties**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplications**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListApplications**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplications**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserApplications**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplications**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListAssignableApplications**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplicationInstitutions**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListAssignableApplicationInstitutions**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplicationRoles**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListAssignableApplicationRoles**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplicationInstitutionRoles**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListAssignableApplicationInstitutionRoles**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap:body use="**literal**" />

  </wsdl:input>

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserApplicationInstitutionRoles**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutions**">

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListInstitutionsByType**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserInstitutions**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetExternalUsersForInstitutionAndRoles**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**IsInternalFHLBUser**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/IsInternalFHLBUser**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetLandingPageLinkDisplay**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetLandingPageLinkDisplay**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutionsByName**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListInstitutionsByName**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplicationInstitutions**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserApplicationInstitutions**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserAdministrators**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserAccounts**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserAccounts**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ResetPassword**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetApplicationRoles**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetApplicationRoles**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/DeleteUserAccount**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/CreateUserAccount**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/UpdateUserAccount**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**PrepareTaskForDeletion**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/PrepareTaskForDeletion**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**DeleteUserAccountFromActiveDirectory**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/DeleteUserAccountFromActiveDirectory**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetInstitution**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetInstitution**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetInstitutions**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetInstitutions**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/CreateInstitution**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/UpdateInstitution**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**MergeInstitution**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/MergeInstitution**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**DeleteInstitution**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/DeleteInstitution**" style="**document**" />

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  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListGroupUsers**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserGroups**">

  <soap:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserGroups**" style="**document**" />

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  </wsdl:binding>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:binding name="**UAM\_x0020\_Directory\_x0020\_ServicesSoap12**" type="**tns:UAM\_x0020\_Directory\_x0020\_ServicesSoap**">

  <soap12:binding transport="**http://schemas.xmlsoap.org/soap/http**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplicationErrors**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListApplicationErrors**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListStates**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListStates**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListCounties**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListCounties**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplications**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListApplications**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplications**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserApplications**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplications**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListAssignableApplications**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplicationInstitutions**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListAssignableApplicationInstitutions**" style="**document**" />

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  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplicationRoles**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListAssignableApplicationRoles**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListAssignableApplicationInstitutionRoles**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListAssignableApplicationInstitutionRoles**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplicationRoles**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListApplicationRoles**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplicationRoles**">

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  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplicationInstitutionRoles**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserApplicationInstitutionRoles**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListDepartments**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListDepartments**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutions**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListInstitutions**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutionsByType**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListInstitutionsByType**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserInstitutions**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserInstitutions**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetExternalUsersForInstitutionAndRoles**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetExternalUsersForInstitutionAndRoles**" style="**document**" />

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  <soap12:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

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  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutionUsers**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListInstitutionUsers**" style="**document**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

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  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**IsInternalFHLBUser**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/IsInternalFHLBUser**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetLandingPageLinkDisplay**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetLandingPageLinkDisplay**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListInstitutionsByName**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListInstitutionsByName**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserApplicationInstitutions**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserApplicationInstitutions**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUsers**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUsers**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserAdministrators**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserAdministrators**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserAccounts**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserAccounts**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ResetPassword**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ResetPassword**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetUserAccount**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetUserAccount**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetApplicationRoles**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetApplicationRoles**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**DeleteUserAccount**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/DeleteUserAccount**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**CreateUserAccount**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/CreateUserAccount**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**UpdateUserAccount**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/UpdateUserAccount**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**PrepareTaskForDeletion**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/PrepareTaskForDeletion**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**DeleteUserAccountFromActiveDirectory**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/DeleteUserAccountFromActiveDirectory**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetInstitution**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetInstitution**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**GetInstitutions**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/GetInstitutions**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**CreateInstitution**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/CreateInstitution**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**UpdateInstitution**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/UpdateInstitution**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

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[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**MergeInstitution**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/MergeInstitution**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**DeleteInstitution**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/DeleteInstitution**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

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  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListApplicationRoleUsers**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListApplicationRoleUsers**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListGroupUsers**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListGroupUsers**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:operation name="**ListUserGroups**">

  <soap12:operation soapAction="**http://namespace.fhlbsea.com/webservices/ListUserGroups**" style="**document**" />

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:input>

  <soap12:body use="**literal**" />

  </wsdl:input>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:output>

  <soap12:body use="**literal**" />

  </wsdl:output>

  </wsdl:operation>

  </wsdl:binding>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:service name="**UAM\_x0020\_Directory\_x0020\_Services**">

  <wsdl:documentation xmlns:wsdl="**http://schemas.xmlsoap.org/wsdl/**">Provides methods which allow administration of UAM.</wsdl:documentation>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:port name="**UAM\_x0020\_Directory\_x0020\_ServicesSoap**" binding="**tns:UAM\_x0020\_Directory\_x0020\_ServicesSoap**">

  <soap:address location="**http://localhost:58726/DirectoryServices.asmx**" />

  </wsdl:port>

[-](http://localhost:58726/DirectoryServices.asmx?WSDL) <wsdl:port name="**UAM\_x0020\_Directory\_x0020\_ServicesSoap12**" binding="**tns:UAM\_x0020\_Directory\_x0020\_ServicesSoap12**">

  <soap12:address location="**http://localhost:58726/DirectoryServices.asmx**" />

  </wsdl:port>

  </wsdl:service>

  </wsdl:definitions>