



Sunshine Connections

Active Directory Internet Admin Tool

Web Services

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Active Directory Internet Admin Tool Web Services Overview

Introduction

This is the design document for Sunshine Connections ADAT Web Services.

Goals and Objectives

The goal of this document is to describe the ADAT Web Services.

Software Context

The business logic of ADAT Web Services is implemented as and works with components of the Sunshine Connections architecture system.

Soap Methods

CheckStatus

Description

Authorization / Authentication

Data Binding

Request Parameters

Parameter	Value	Description
Guid	String	

Request Schema

```
<s:element name="CheckStatus">  
  <s:complexType>  
    <s:sequence>  
      <s:element minOccurs="0" maxOccurs="1" name="guid" type="s:string" />  
    </s:sequence>  
  </s:complexType>  
</s:element>
```

SOAP 1.1 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1



Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: **length**
SOAPAction: "http://localhost/SCADWebSvc/CheckStatus"

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <CheckStatus xmlns="http://localhost/SCADWebSvc/">
      <guid>string</guid>
    </CheckStatus>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <CheckStatus xmlns="http://localhost/SCADWebSvc/">
      <guid>string</guid>
    </CheckStatus>
  </soap12:Body>
</soap12:Envelope>
```

HTTP Post Request

POST /SCADWebSvc/SCADWebSvc.asmx/CheckStatus HTTP/1.1
Host: localhost
Content-Type: application/x-www-form-urlencoded
Content-Length: **length**

guid=string

Response Fields

Field	Description
CheckStatusResult	



Response Schema

```
<s:element name="CheckStatusResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="1" maxOccurs="1" name="CheckStatusResult" type="tns:RequestStatus"
    />
    </s:sequence>
  </s:complexType>
</s:element>
```

SOAP 1.1 Response

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <CheckStatusResponse xmlns="http://localhost/SCADWebSvc/">
      <CheckStatusResult>NotFound or Queued or InProgress or Completed or
Archived</CheckStatusResult>
    </CheckStatusResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <CheckStatusResponse xmlns="http://localhost/SCADWebSvc/">
      <CheckStatusResult>NotFound or Queued or InProgress or Completed or
Archived</CheckStatusResult>
    </CheckStatusResponse>
  </soap12:Body>
</soap12:Envelope>
```

HTTP Post Response



HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<RequestStatus xmlns="http://localhost/SCADWebSvc/">NotFound or Queued or InProgress or  
Completed or Archived</RequestStatus>
```

Error Codes

Code	Description

CreateOU

Description

Authorization / Authentication

Data Binding

Request Parameters

Parameter	Value	Description
userName	String	
password	String	
bindingOUPath	String	
OU	String	
ParentOU	String	

Request Schema

```
<s:element name="CreateOU">  
  <s:complexType>  
    <s:sequence>  
      <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="OU" type="s1:ADOU" />  
      <s:element minOccurs="0" maxOccurs="1" name="ParentOU" type="s1:ADOU" />  
    </s:sequence>  
  </s:complexType>  
</s:element>
```



SOAP 1.1 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1

Host: localhost

Content-Type: text/xml; charset=utf-8

Content-Length: **length**

SOAPAction: "http://localhost/SCADWebSvc/CreateOU"

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <CreateOU xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <OU>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </OU>
      <ParentOU>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </ParentOU>
    </CreateOU>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1

Host: localhost

Content-Type: application/soap+xml; charset=utf-8

Content-Length: **length**



<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
<soap12:Body>
<CreateOU xmlns="http://localhost/SCADWebSvc/">
<userName>string</userName>
<password>string</password>
<bindingOUPath>string</bindingOUPath>
<OU>
<Children xmlns="ADOU">
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
</Children>
</OU>
<ParentOU>
<Children xmlns="ADOU">
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
</Children>
</ParentOU>
</CreateOU>
</soap12:Body>
</soap12:Envelope>

Response Fields

Table with 2 columns: Field, Description. Row 1: CreateOUResult

Response Schema

<s:element name="CreateOUResponse">
<s:complexType>
<s:sequence>
<s:element minOccurs="0" maxOccurs="1" name="CreateOUResult" type="s1:ADOU" />
</s:sequence>
</s:complexType>



</s:element>

SOAP 1.1 Response

HTTP/1.1 200 OK

Content-Type: text/xml; charset=utf-8

Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <CreateOUResponse xmlns="http://localhost/SCADWebSvc/">
      <CreateOUResult>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </CreateOUResult>
    </CreateOUResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK

Content-Type: application/soap+xml; charset=utf-8

Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <CreateOUResponse xmlns="http://localhost/SCADWebSvc/">
      <CreateOUResult>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </CreateOUResult>
    </CreateOUResponse>
  </soap12:Body>
</soap12:Envelope>
```



```
</Children>  
</CreateOUResult>  
</CreateOUResponse>  
</soap12:Body>  
</soap12:Envelope>
```

Error Codes

Code	Description

CreateUser

Description

Authorization / Authentication

Data Binding

Request Parameters

Parameter	Value	Description
userName	String	
password	String	
bindingOUPath	String	
User	String	
ParentOU	String	

Request Schema

```
<s:element name="CreateUser">  
  <s:complexType>  
    <s:sequence>  
      <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="User" type="s3:ADUser" />  
      <s:element minOccurs="0" maxOccurs="1" name="ParentOU" type="s1:ADOU" />  
    </s:sequence>  
  </s:complexType>  
</s:element>
```

SOAP 1.1 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1  
Host: localhost  
Content-Type: text/xml; charset=utf-8
```



```
Content-Length: length
SOAPAction: "http://localhost/SCADWebSvc/CreateUser"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <CreateUser xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <User FirstName="string" Initials="string" LastName="string" Email="string" DisplayName="string"
Password="string" StaffID="string">
        <Roles xmlns="ADUser">
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>IsvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>IsvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
        </Roles>
      </User>
      <ParentOU>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </ParentOU>
    </CreateUser>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

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



```
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <CreateUser xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <User FirstName="string" Initials="string" LastName="string" Email="string" DisplayName="string"
Password="string" StaffID="string">
        <Roles xmlns="ADUser">
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
        </Roles>
      </User>
      <ParentOU>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </ParentOU>
    </CreateUser>
  </soap12:Body>
</soap12:Envelope>
```

Response Fields

Field	Description
CreateUserResult	

Response Schema

```
<s:element name="CreateUserResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="CreateUserResult" type="s3:ADUser" />
    </s:sequence>
  </s:complexType>
</s:element>
```



```
</s:complexType>  
</s:element>
```

SOAP 1.1 Response

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
  <soap:Body>  
    <CreateUserResponse xmlns="http://localhost/SCADWebSvc/">  
      <CreateUserResult FirstName="string" Initials="string" LastName="string" Email="string"  
DisplayName="string" Password="string" StaffID="string">  
        <Roles xmlns="ADUser">  
          <ADRole>  
            <RoleName>string</RoleName>  
            <RoleStatus>InvalidGroupAdd or InvalidGroupDelete or LeaveltAlone or  
NoneSpec</RoleStatus>  
          </ADRole>  
          <ADRole>  
            <RoleName>string</RoleName>  
            <RoleStatus>InvalidGroupAdd or InvalidGroupDelete or LeaveltAlone or  
NoneSpec</RoleStatus>  
          </ADRole>  
        </Roles>  
      </CreateUserResult>  
    </CreateUserResponse>  
  </soap:Body>  
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-  
envelope">  
  <soap12:Body>  
    <CreateUserResponse xmlns="http://localhost/SCADWebSvc/">  
      <CreateUserResult FirstName="string" Initials="string" LastName="string" Email="string"  
DisplayName="string" Password="string" StaffID="string">  
        <Roles xmlns="ADUser">  
          <ADRole>  
            <RoleName>string</RoleName>  
            <RoleStatus>InvalidGroupAdd or InvalidGroupDelete or LeaveltAlone or  
NoneSpec</RoleStatus>
```



```
</ADRole>
<ADRole>
  <RoleName>string</RoleName>
  <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
</Roles>
</CreateUserResult>
</CreateUserResponse>
</soap12:Body>
</soap12:Envelope>
```

Error Codes

Table with 2 columns: Code, Description

GetAvailableRoles

Description

Authorization / Authentication

Data Binding

Request Parameters

Table with 3 columns: Parameter, Value, Description. Rows include userName, password, bindingOUPath.

Request Schema

```
<s:element name="GetAvailableRoles">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />
    </s:sequence>
  </s:complexType>
</s:element>
```

SOAP 1.1 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost



Content-Type: text/xml; charset=utf-8
Content-Length: **length**
SOAPAction: "http://localhost/SCADWebSvc/GetAvailableRoles"

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetAvailableRoles xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
    </GetAvailableRoles>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <GetAvailableRoles xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
    </GetAvailableRoles>
  </soap12:Body>
</soap12:Envelope>
```

HTTP Post Request

POST /SCADWebSvc/SCADWebSvc.asmx/GetAvailableRoles HTTP/1.1
Host: localhost
Content-Type: application/x-www-form-urlencoded
Content-Length: **length**

userName=string&password=string&bindingOUPath=string

Response Fields

Field	Description
GetAvailableRolesResult	



Response Schema

```
<s:element name="GetAvailableRolesResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="GetAvailableRolesResult"
type="tns:ArrayOfString" />
    </s:sequence>
  </s:complexType>
</s:element>
```

SOAP 1.1 Response

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetAvailableRolesResponse xmlns="http://localhost/SCADWebSvc/">
      <GetAvailableRolesResult>
        <string>string</string>
        <string>string</string>
      </GetAvailableRolesResult>
    </GetAvailableRolesResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetAvailableRolesResponse xmlns="http://localhost/SCADWebSvc/">
      <GetAvailableRolesResult>
        <string>string</string>
        <string>string</string>
      </GetAvailableRolesResult>
    </GetAvailableRolesResponse>
  </soap:Body>
</soap:Envelope>
```



HTTP Post Response

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<ArrayOfString xmlns="http://localhost/SCADWebSvc/">
  <string>string</string>
  <string>string</string>
</ArrayOfString>
```

Error Codes

Code	Description

GetOUs

Description

Authorization / Authentication

Data Binding

Request Parameters

Parameter	Value	Description
userName	String	
password	String	
bindingOUPath	String	
ParentOU	String	

Request Schema

```
<s:element name="GetOUs">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="ParentOU" type="s1:ADOU" />
    </s:sequence>
  </s:complexType>
</s:element>
```



SOAP 1.1 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://localhost/SCADWebSvc/GetOUs"
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetOUs xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <ParentOU>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </ParentOU>
    </GetOUs>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <GetOUs xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <ParentOU>
        <Children xmlns="ADOU">
```



```

<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
  <StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
  <StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
</Children>
</ParentOU>
</GetOUs>
</soap12:Body>
</soap12:Envelope>

```

Response Fields

Field	Description
GetOUsResult	

Response Schema

```

<s:element name="GetOUsResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="GetOUsResult" type="tns:ArrayOfADOU" />
    </s:sequence>
  </s:complexType>
</s:element>

```

SOAP 1.1 Response

```

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetOUsResponse xmlns="http://localhost/SCADWebSvc/">
      <GetOUsResult>
        <ADOU>
          <Children xmlns="ADOU">
            <ADObject xsi:nil="true" />
            <ADObject xsi:nil="true" />
          </Children>
        </ADOU>
        <ADOU>
          <Children xmlns="ADOU">
            <ADObject xsi:nil="true" />

```



```
<ADObject xsi:nil="true" />
</Children>
</ADOU>
</GetOUsResult>
</GetOUsResponse>
</soap:Body>
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <GetOUsResponse xmlns="http://localhost/SCADWebSvc/">
      <GetOUsResult>
        <ADOU>
          <Children xmlns="ADOU">
            <ADObject xsi:nil="true" />
            <ADObject xsi:nil="true" />
          </Children>
        </ADOU>
        <ADOU>
          <Children xmlns="ADOU">
            <ADObject xsi:nil="true" />
            <ADObject xsi:nil="true" />
          </Children>
        </ADOU>
      </GetOUsResult>
    </GetOUsResponse>
  </soap12:Body>
</soap12:Envelope>
```

Error Codes

Code	Description



GetResults

Description

Authorization / Authentication

Data Binding

Request Parameters

Parameter	Value	Description
guid	String	

Request Schema

```
<s:element name="GetResults">  
  <s:complexType>  
    <s:sequence>  
      <s:element minOccurs="0" maxOccurs="1" name="guid" type="s:string" />  
    </s:sequence>  
  </s:complexType>  
</s:element>
```

SOAP 1.1 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1  
Host: localhost  
Content-Type: text/xml; charset=utf-8  
Content-Length: length  
SOAPAction: "http://localhost/SCADWebSvc/GetResults"
```

```
<?xml version="1.0" encoding="utf-8"?>  
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
  <soap:Body>  
    <GetResults xmlns="http://localhost/SCADWebSvc/">  
      <guid>string</guid>  
    </GetResults>  
  </soap:Body>  
</soap:Envelope>
```

SOAP 1.2 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1  
Host: localhost  
Content-Type: application/soap+xml; charset=utf-8  
Content-Length: length
```



```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <GetResults xmlns="http://localhost/SCADWebSvc/">
      <guid>string</guid>
    </GetResults>
  </soap12:Body>
</soap12:Envelope>
```

HTTP Post Request

```
POST /SCADWebSvc/SCADWebSvc.asmx/GetResults HTTP/1.1
Host: localhost
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

guid=string

Response Fields

Field	Description
GetResultsResult	

Response Schema

```
<s:element name="GetResultsResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="GetResultsResult" type="tns:ArrayOfADUser"
/>
    </s:sequence>
  </s:complexType>
</s:element>
```

SOAP 1.1 Response

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
```



```
<GetResultsResponse xmlns="http://localhost/SCADWebSvc/">
  <GetResultsResult>
    <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
    DisplayName="string" Password="string" StaffID="string">
      <Roles xmlns="ADUser">
        <ADRole xsi:nil="true" />
        <ADRole xsi:nil="true" />
      </Roles>
    </ADUser>
    <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
    DisplayName="string" Password="string" StaffID="string">
      <Roles xmlns="ADUser">
        <ADRole xsi:nil="true" />
        <ADRole xsi:nil="true" />
      </Roles>
    </ADUser>
  </GetResultsResult>
</GetResultsResponse>
</soap:Body>
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK

Content-Type: application/soap+xml; charset=utf-8

Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <GetResultsResponse xmlns="http://localhost/SCADWebSvc/">
      <GetResultsResult>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
        DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
        DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
      </GetResultsResult>
    </GetResultsResponse>
  </soap12:Body>
```



</soap12:Envelope>

HTTP Post Response

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<ArrayOfADUser xmlns="http://localhost/SCADWebSvc/">
<ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
<Roles xmlns="ADUser">
<ADRole>
<RoleName>string</RoleName>
<RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
<ADRole>
<RoleName>string</RoleName>
<RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
</Roles>
</ADUser>
<ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
<Roles xmlns="ADUser">
<ADRole>
<RoleName>string</RoleName>
<RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
<ADRole>
<RoleName>string</RoleName>
<RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
</Roles>
</ADUser>
</ArrayOfADUser>

Error Codes

Table with 2 columns: Code, Description



GetRootOU

Description

Authorization / Authentication

Data Binding

Request Parameters

Parameter	Value	Description
userName	String	
password	String	
bindingOUPath	String	

Request Schema

```
<s:element name="GetRootOU">  
  <s:complexType>  
    <s:sequence>  
      <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />  
    </s:sequence>  
  </s:complexType>  
</s:element>
```

SOAP 1.1 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1  
Host: localhost  
Content-Type: text/xml; charset=utf-8  
Content-Length: length  
SOAPAction: "http://localhost/SCADWebSvc/GetRootOU"
```

```
<?xml version="1.0" encoding="utf-8"?>  
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
  <soap:Body>  
    <GetRootOU xmlns="http://localhost/SCADWebSvc/">  
      <userName>string</userName>  
      <password>string</password>  
      <bindingOUPath>string</bindingOUPath>  
    </GetRootOU>  
  </soap:Body>  
</soap:Envelope>
```



SOAP 1.2 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <GetRootOU xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
    </GetRootOU>
  </soap12:Body>
</soap12:Envelope>
```

HTTP Post Request

```
POST /SCADWebSvc/SCADWebSvc.asmx/GetRootOU HTTP/1.1
Host: localhost
Content-Type: application/x-www-form-urlencoded
Content-Length: length
```

```
userName=string&password=string&bindingOUPath=string
```

Response Fields

Field	Description
GetRootOUResult	

Response Schema

```
<s:element name="GetRootOUResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="GetRootOUResult" type="s1:ADOU" />
    </s:sequence>
  </s:complexType>
</s:element>
```

SOAP 1.1 Response

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```



```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetRootOUResponse xmlns="http://localhost/SCADWebSvc/">
      <GetRootOUResult>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </GetRootOUResult>
    </GetRootOUResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <GetRootOUResponse xmlns="http://localhost/SCADWebSvc/">
      <GetRootOUResult>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </GetRootOUResult>
    </GetRootOUResponse>
  </soap12:Body>
</soap12:Envelope>
```



HTTP Post Response

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
<?xml version="1.0" encoding="utf-8"?>
<ADOU xmlns="http://localhost/SCADWebSvc/">
<Children xmlns="ADOU">
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or ResetPassword or Delete" syncState="Pending or OK or Failed">
<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or ResetPassword or Delete" syncState="Pending or OK or Failed">
<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
</Children>
</ADOU>

Error Codes

Table with 2 columns: Code, Description

GetUsers

Description

Authorization / Authentication

Data Binding

Request Parameters

Table with 3 columns: Parameter, Value, Description

Request Schema

<s:element name="GetUsers">
<s:complexType>
<s:sequence>



```
<s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />
<s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />
<s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />
<s:element minOccurs="0" maxOccurs="1" name="ParentOU" type="s1:ADOU" />
<s:element minOccurs="0" maxOccurs="1" name="filter" type="s:string" />
</s:sequence>
</s:complexType>
</s:element>
```

SOAP 1.1 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1

Host: localhost

Content-Type: text/xml; charset=utf-8

Content-Length: **length**

SOAPAction: "http://localhost/SCADWebSvc/GetUsers"

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetUsers xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <ParentOU>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </ParentOU>
      <filter>string</filter>
    </GetUsers>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1

Host: localhost

Content-Type: application/soap+xml; charset=utf-8

Content-Length: **length**

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



```
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <GetUsers xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <ParentOU>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </ParentOU>
      <filter>string</filter>
    </GetUsers>
  </soap12:Body>
</soap12:Envelope>
```

Response Fields

Field	Description
GetUsersResult	

Response Schema

```
<s:element name="GetUsersResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="GetUsersResult" type="tns:ArrayOfADUser" />
    </s:sequence>
  </s:complexType>
</s:element>
```

SOAP 1.1 Response

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length
```

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



```
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <GetUsersResponse xmlns="http://localhost/SCADWebSvc/">
      <GetUsersResult>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
      </GetUsersResult>
    </GetUsersResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Response

```
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <GetUsersResponse xmlns="http://localhost/SCADWebSvc/">
      <GetUsersResult>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
      </GetUsersResult>
    </GetUsersResponse>
  </soap12:Body>
</soap12:Envelope>
```



```
</ADUser>  
</GetUsersResult>  
</GetUsersResponse>  
</soap12:Body>  
</soap12:Envelope>
```

Error Codes

Code	Description

ProcessUsers

Description

Authorization / Authentication

Data Binding

Request Parameters

Parameter	Value	Description
userName	String	
password	String	
bindingOUPath	String	
Users	String	
ParentOU	String	

Request Schema

```
<s:element name="ProcessUsers">  
  <s:complexType>  
    <s:sequence>  
      <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="Users" type="tns:ArrayOfADUser" />  
      <s:element minOccurs="0" maxOccurs="1" name="ParentOU" type="s1:ADOU" />  
    </s:sequence>  
  </s:complexType>  
</s:element>
```

SOAP 1.1 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1



Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: **length**
SOAPAction: "http://localhost/SCADWebSvc/ProcessUsers"

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ProcessUsers xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <Users>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
      </Users>
      <ParentOU>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </ParentOU>
    </ProcessUsers>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8



Content-Length: length

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <ProcessUsers xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <Users>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
        <ADUser FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
          <Roles xmlns="ADUser">
            <ADRole xsi:nil="true" />
            <ADRole xsi:nil="true" />
          </Roles>
        </ADUser>
      </Users>
      <ParentOU>
        <Children xmlns="ADOU">
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
            <StatusDescription xmlns="ADObject">string</StatusDescription>
          </ADObject>
        </Children>
      </ParentOU>
    </ProcessUsers>
  </soap12:Body>
</soap12:Envelope>
```

Response Fields

Table with 2 columns: Field, Description. Row 1: ProcessUsersResult

Response Schema

```
<s:element name="ProcessUsersResponse">
  <s:complexType>
```



```
<s:sequence>  
  <s:element minOccurs="0" maxOccurs="1" name="ProcessUsersResult" type="s:string" />  
</s:sequence>  
</s:complexType>  
</s:element>
```

SOAP 1.1 Response

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
  <soap:Body>  
    <ProcessUsersResponse xmlns="http://localhost/SCADWebSvc/">  
      <ProcessUsersResult>string</ProcessUsersResult>  
    </ProcessUsersResponse>  
  </soap:Body>  
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-  
envelope">  
  <soap12:Body>  
    <ProcessUsersResponse xmlns="http://localhost/SCADWebSvc/">  
      <ProcessUsersResult>string</ProcessUsersResult>  
    </ProcessUsersResponse>  
  </soap12:Body>  
</soap12:Envelope>
```

Error Codes

Code	Description



RemoveOU

Description

Authorization / Authentication

Data Binding

Request Parameters

Parameter	Value	Description
userName	String	
password	String	
bindingOUPath	String	
OU	String	

Request Schema

```
<s:element name="RemoveOU">  
  <s:complexType>  
    <s:sequence>  
      <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="OU" type="s1:ADOU" />  
    </s:sequence>  
  </s:complexType>  
</s:element>
```

SOAP 1.1 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1  
Host: localhost  
Content-Type: text/xml; charset=utf-8  
Content-Length: length  
SOAPAction: "http://localhost/SCADWebSvc/RemoveOU"
```

```
<?xml version="1.0" encoding="utf-8"?>  
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
  <soap:Body>  
    <RemoveOU xmlns="http://localhost/SCADWebSvc/">  
      <userName>string</userName>  
      <password>string</password>  
      <bindingOUPath>string</bindingOUPath>  
      <OU>  
        <Children xmlns="ADOU">  
          <ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or  
ResetPassword or Delete" syncState="Pending or OK or Failed">
```



<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
</Children>
</OU>
</RemoveOU>
</soap:Body>
</soap:Envelope>

SOAP 1.2 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
<soap12:Body>
<RemoveOU xmlns="http://localhost/SCADWebSvc/">
<userName>string</userName>
<password>string</password>
<bindingOUPath>string</bindingOUPath>
<OU>
<Children xmlns="ADOU">
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
<ADObject GUID="string" Name="string" Path="string" syncOp="None or Create or Update or
ResetPassword or Delete" syncState="Pending or OK or Failed">
<StatusDescription xmlns="ADObject">string</StatusDescription>
</ADObject>
</Children>
</OU>
</RemoveOU>
</soap12:Body>
</soap12:Envelope>

Response Fields

Table with 2 columns: Field, Description



Response Schema

```
<s:element name="RemoveOUResponse">  
  <s:complexType />  
</s:element>
```

SOAP 1.1 Response

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
  <soap:Body>  
    <RemoveOUResponse xmlns="http://localhost/SCADWebSvc/" />  
  </soap:Body>  
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-  
  envelope">  
  <soap12:Body>  
    <RemoveOUResponse xmlns="http://localhost/SCADWebSvc/" />  
  </soap12:Body>  
</soap12:Envelope>
```

Error Codes

Code	Description

RemoveUser

Description

Authorization / Authentication

Data Binding

Request Parameters



Parameter	Value	Description
userName	String	
password	String	
bindingOUPath	String	
User	String	

Request Schema

```
<s:element name="RemoveUser">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />
      <s:element minOccurs="0" maxOccurs="1" name="User" type="s3:ADUser" />
    </s:sequence>
  </s:complexType>
</s:element>
```

SOAP 1.1 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://localhost/SCADWebSvc/RemoveUser"
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <RemoveUser xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <User FirstName="string" Initials="string" LastName="string" Email="string" DisplayName="string"
Password="string" StaffID="string">
        <Roles xmlns="ADUser">
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
        </Roles>
```



</User>
</RemoveUser>
</soap:Body>
</soap:Envelope>

SOAP 1.2 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
<soap12:Body>
<RemoveUser xmlns="http://localhost/SCADWebSvc/">
<userName>string</userName>
<password>string</password>
<bindingOUPath>string</bindingOUPath>
<User FirstName="string" Initials="string" LastName="string" Email="string" DisplayName="string"
Password="string" StaffID="string">
<Roles xmlns="ADUser">
<ADRole>
<RoleName>string</RoleName>
<RoleStatus>InvalidGroupAdd or InvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
<ADRole>
<RoleName>string</RoleName>
<RoleStatus>InvalidGroupAdd or InvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
</Roles>
</User>
</RemoveUser>
</soap12:Body>
</soap12:Envelope>

Response Fields

Table with 2 columns: Field, Description

Response Schema

<s:element name="RemoveUserResponse">
<s:complexType />
</s:element>



SOAP 1.1 Response

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
  <soap:Body>  
    <RemoveUserResponse xmlns="http://localhost/SCADWebSvc/" />  
  </soap:Body>  
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-  
envelope">  
  <soap12:Body>  
    <RemoveUserResponse xmlns="http://localhost/SCADWebSvc/" />  
  </soap12:Body>  
</soap12:Envelope>
```

Error Codes

Code	Description

ResetPassword

Description

Authorization / Authentication

Data Binding

Request Parameters

Parameter	Value	Description
userName	String	
password	String	
bindingOUPath	String	



user	String	
requestedPassword	String	

Request Schema

```
<s:element name="ResetPassword">  
  <s:complexType>  
    <s:sequence>  
      <s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />  
      <s:element minOccurs="0" maxOccurs="1" name="user" type="s3:ADUser" />  
      <s:element minOccurs="0" maxOccurs="1" name="requestedPassword" type="s:string" />  
    </s:sequence>  
  </s:complexType>  
</s:element>
```

SOAP 1.1 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: **length**
SOAPAction: "http://localhost/SCADWebSvc/ResetPassword"

```
<?xml version="1.0" encoding="utf-8"?>  
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
  xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
  <soap:Body>  
    <ResetPassword xmlns="http://localhost/SCADWebSvc/">  
      <userName>string</userName>  
      <password>string</password>  
      <bindingOUPath>string</bindingOUPath>  
      <user FirstName="string" Initials="string" LastName="string" Email="string" DisplayName="string"  
Password="string" StaffID="string">  
        <Roles xmlns="ADUser">  
          <ADRole>  
            <RoleName>string</RoleName>  
            <RoleStatus>InvalidGroupAdd or InvalidGroupDelete or LeaveltAlone or  
NoneSpec</RoleStatus>  
          </ADRole>  
          <ADRole>  
            <RoleName>string</RoleName>  
            <RoleStatus>InvalidGroupAdd or InvalidGroupDelete or LeaveltAlone or  
NoneSpec</RoleStatus>  
          </ADRole>  
        </Roles>  
      </user>  
      <requestedPassword>string</requestedPassword>  
    </ResetPassword>  
  </soap:Body>
```



</soap:Envelope>

SOAP 1.2 Request

POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
<soap12:Body>
<ResetPassword xmlns="http://localhost/SCADWebSvc/">
<userName>string</userName>
<password>string</password>
<bindingOUPath>string</bindingOUPath>
<user FirstName="string" Initials="string" LastName="string" Email="string" DisplayName="string"
Password="string" StaffID="string">
<Roles xmlns="ADUser">
<ADRole>
<RoleName>string</RoleName>
<RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
<ADRole>
<RoleName>string</RoleName>
<RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
</Roles>
</user>
<requestedPassword>string</requestedPassword>
</ResetPassword>
</soap12:Body>
</soap12:Envelope>

Response Fields

Table with 2 columns: Field, Description. Row: ResetPasswordResult

Response Schema

<s:element name="ResetPasswordResponse">
<s:complexType>
<s:sequence>
<s:element minOccurs="0" maxOccurs="1" name="ResetPasswordResult" type="s3:ADUser" />



```
</s:sequence>  
</s:complexType>  
</s:element>
```

SOAP 1.1 Response

HTTP/1.1 200 OK

Content-Type: text/xml; charset=utf-8

Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  
  <soap:Body>  
    <ResetPasswordResponse xmlns="http://localhost/SCADWebSvc/">  
      <ResetPasswordResult FirstName="string" Initials="string" LastName="string" Email="string"  
DisplayName="string" Password="string" StaffID="string">  
        <Roles xmlns="ADUser">  
          <ADRole>  
            <RoleName>string</RoleName>  
            <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or  
NoneSpec</RoleStatus>  
          </ADRole>  
          <ADRole>  
            <RoleName>string</RoleName>  
            <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or  
NoneSpec</RoleStatus>  
          </ADRole>  
        </Roles>  
      </ResetPasswordResult>  
    </ResetPasswordResponse>  
  </soap:Body>  
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK

Content-Type: application/soap+xml; charset=utf-8

Content-Length: **length**

```
<?xml version="1.0" encoding="utf-8"?>  
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-  
envelope">  
  <soap12:Body>  
    <ResetPasswordResponse xmlns="http://localhost/SCADWebSvc/">  
      <ResetPasswordResult FirstName="string" Initials="string" LastName="string" Email="string"  
DisplayName="string" Password="string" StaffID="string">  
        <Roles xmlns="ADUser">  
          <ADRole>  
            <RoleName>string</RoleName>
```



<RoleStatus>InvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
<ADRole>
<RoleName>string</RoleName>
<RoleStatus>InvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
</Roles>
</ResetPasswordResult>
</ResetPasswordResponse>
</soap12:Body>
</soap12:Envelope>

Error Codes

Table with 2 columns: Code, Description

UpdateUser

Description

Authorization / Authentication

Data Binding

Request Parameters

Table with 3 columns: Parameter, Value, Description

Request Schema

<s:element name="UpdateUser">
<s:complexType>
<s:sequence>
<s:element minOccurs="0" maxOccurs="1" name="userName" type="s:string" />
<s:element minOccurs="0" maxOccurs="1" name="password" type="s:string" />
<s:element minOccurs="0" maxOccurs="1" name="bindingOUPath" type="s:string" />
<s:element minOccurs="0" maxOccurs="1" name="User" type="s3:ADUser" />
</s:sequence>
</s:complexType>
</s:element>



SOAP 1.1 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://localhost/SCADWebSvc/UpdateUser"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateUser xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
      <User FirstName="string" Initials="string" LastName="string" Email="string" DisplayName="string"
Password="string" StaffID="string">
        <Roles xmlns="ADUser">
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>InvalidGroupAdd or InvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>InvalidGroupAdd or InvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
        </Roles>
      </User>
    </UpdateUser>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2 Request

```
POST /SCADWebSvc/SCADWebSvc.asmx HTTP/1.1
Host: localhost
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <UpdateUser xmlns="http://localhost/SCADWebSvc/">
      <userName>string</userName>
      <password>string</password>
      <bindingOUPath>string</bindingOUPath>
```



```
<User FirstName="string" Initials="string" LastName="string" Email="string" DisplayName="string"
Password="string" StaffID="string">
  <Roles xmlns="ADUser">
    <ADRole>
      <RoleName>string</RoleName>
      <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
    </ADRole>
    <ADRole>
      <RoleName>string</RoleName>
      <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
    </ADRole>
  </Roles>
</User>
</UpdateUser>
</soap12:Body>
</soap12:Envelope>
```

Response Fields

Field	Description
UpdateUserResult	

Response Schema

```
<s:element name="UpdateUserResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="UpdateUserResult" type="s3:ADUser" />
    </s:sequence>
  </s:complexType>
</s:element>
```

SOAP 1.1 Response

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <UpdateUserResponse xmlns="http://localhost/SCADWebSvc/">
      <UpdateUserResult FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
        <Roles xmlns="ADUser">
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
```



```
</ADRole>
<ADRole>
  <RoleName>string</RoleName>
  <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
</ADRole>
</Roles>
</UpdateUserResult>
</UpdateUserResponse>
</soap:Body>
</soap:Envelope>
```

SOAP 1.2 Response

HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap12="http://www.w3.org/2003/05/soap-
envelope">
  <soap12:Body>
    <UpdateUserResponse xmlns="http://localhost/SCADWebSvc/">
      <UpdateUserResult FirstName="string" Initials="string" LastName="string" Email="string"
DisplayName="string" Password="string" StaffID="string">
        <Roles xmlns="ADUser">
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
          <ADRole>
            <RoleName>string</RoleName>
            <RoleStatus>IsInvalidGroupAdd or IsInvalidGroupDelete or LeaveltAlone or
NoneSpec</RoleStatus>
          </ADRole>
        </Roles>
      </UpdateUserResult>
    </UpdateUserResponse>
  </soap12:Body>
</soap12:Envelope>
```

Error Codes