

# Config SOAP API

Web Services defined in this section for configuration of the system are all SOAP based services and require administrator privileges to be used.

- Administration services
  - Permissions
    - Add permissions
    - Find permissions
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## Administration services

The following resources for the Configuration API are only available for users with administration rights:

### Permissions

- Add permissions
- Find permissions
- Manage permissions

### Call Groups

- Add call group
- Find call groups
- WSDL Call Group

### Users

- Add users
- Find users
- Manage users

### Phones

- Add phones
- Find phones
- Manage phones

### Tests

- Reset

## Permissions

The Permission Web Services supported are SOAP based services. These services use the Web Service Definition Language (WSDL) to define the interfaces supported.

URI: <https://<host name or address>/sipxconfig/services/PermissionService>

### WSDL:

```
<?xml version="1.0" encoding="UTF-8" ?>
<wsdl:definitions targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:apachesoap="http://xml.apache.org/xml-soap" xmlns:
impl="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:intf="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:wsdl="http://schemas.
xmlsoap.org/wsdl/" xmlns:wsdlsoap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
- <!--
```

WSDL created by Apache Axis version: 1.4

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-->

<wsdl:types>

```

<schema targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns="http://www.w3.org/2001/XMLSchema">
<complexType name="Permission">
<sequence>
<element name="name" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="label" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="description" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="defaultValue" nillable="true" type="xsd:boolean" />
<element maxOccurs="1" minOccurs="0" name="type" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="builtin" nillable="true" type="xsd:boolean" />
</sequence>
</complexType>
<complexType name="AddPermission">
<sequence>
<element name="permission" type="impl:Permission" />
</sequence>
</complexType>
<element name="AddPermission" type="impl:AddPermission" />
<complexType name="PermissionSearch">
<sequence>
<element maxOccurs="1" minOccurs="0" name="byName" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="byLabel" type="xsd:string" />
</sequence>
</complexType>
<complexType name="FindPermission">
<sequence>
<element name="search" type="impl:PermissionSearch" />
</sequence>
</complexType>
<element name="FindPermission" type="impl:FindPermission" />
<complexType name="ArrayOfPermission">
<sequence>
<element maxOccurs="unbounded" minOccurs="0" name="item" type="impl:Permission" />
</sequence>
</complexType>
<complexType name="FindPermissionResponse">
<sequence>
<element name="permissions" type="impl:ArrayOfPermission" />
</sequence>
</complexType>
<element name="FindPermissionResponse" type="impl:FindPermissionResponse" />
<complexType name="Property">
<sequence>
<element name="property" type="xsd:string" />
<element name="value" nillable="true" type="xsd:string" />
</sequence>
</complexType>
<complexType name="ManagePermission">
<sequence>
<element name="search" type="impl:PermissionSearch" />
<element maxOccurs="unbounded" name="edit" type="impl:Property" />
<element maxOccurs="1" minOccurs="0" name="deletePermission" nillable="true" type="xsd:boolean" />
</sequence>
</complexType>
<element name="ManagePermission" type="impl:ManagePermission" />
</schema>
</wsdl:types>
<wsdl:message name="findPermissionRequest">
<wsdl:part element="impl:FindPermission" name="FindPermission" />
</wsdl:message>
<wsdl:message name="managePermissionRequest">
<wsdl:part element="impl:ManagePermission" name="ManagePermission" />
</wsdl:message>
<wsdl:message name="addPermissionRequest">
<wsdl:part element="impl:AddPermission" name="AddPermission" />
</wsdl:message>
<wsdl:message name="findPermissionResponse">
<wsdl:part element="impl:FindPermissionResponse" name="FindPermissionResponse" />
</wsdl:message>
<wsdl:message name="addPermissionResponse" />
<wsdl:message name="managePermissionResponse" />
<wsdl:portType name="PermissionService">
<wsdl:operation name="addPermission" parameterOrder="AddPermission">
<wsdl:input message="impl:addPermissionRequest" name="addPermissionRequest" />
<wsdl:output message="impl:addPermissionResponse" name="addPermissionResponse" />
</wsdl:operation>
<wsdl:operation name="findPermission" parameterOrder="FindPermission">
<wsdl:input message="impl:findPermissionRequest" name="findPermissionRequest" />
<wsdl:output message="impl:findPermissionResponse" name="findPermissionResponse" />
</wsdl:operation>

```

```

<wsdl:operation name="managePermission" parameterOrder="ManagePermission">
<wsdl:input message="impl:managePermissionRequest" name="managePermissionRequest" />
<wsdl:output message="impl:managePermissionResponse" name="managePermissionResponse" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="PermissionServiceSoapBinding" type="impl:PermissionService">
<wsdlsoap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http" />
<wsdl:operation name="addPermission">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="addPermissionRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="addPermissionResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="findPermission">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="findPermissionRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="findPermissionResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="managePermission">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="managePermissionRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="managePermissionResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="ConfigImplService">
<wsdl:port binding="impl:PermissionServiceSoapBinding" name="PermissionService">
<wsdlsoap:address location="https://47.134.206.174:8443/sipxconfig/services/PermissionService" />
</wsdl:port>
</wsdl:service>
</wsdl:definitions>

```

**Note:** wsdlsoap:address location specified at the end of the WSDL will be specific to your system.

## Add permissions

**Name:** addPermission

**Description:** Add a custom call permission to the system.

**Input parameters:**

Name	Value type	Required /Optional	Description	Editable/Read only
name	string	required	The name of the Permission to add. Even though it is a required parameter, its value is ignored and an internal name is generated.	editable
label	string	optional	The label of the Permission to add. Label is the name displayed in the Administration graphical user interface.	editable
description	string	optional	Describes the permission.	editable
defaultValue	boolean	optional	Indicates whether the permission is enabled (true) or disabled (false) by default for Users.	editable
type	string		The type of permission. This is a read-only value. Any string placed in this field during an add will be ignored.	read only
builtin	boolean		Indicates whether the permission is builtin(true) or not(false). Any value placed in this field during an add will be ignored.	read only

**Output parameters:** empty response

**Example:** Adding a call permission with label "Test Three" whose default value is false.

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:AddPermission&gt; &lt;permission&gt; &lt;name&gt;Test3&lt;/name&gt; &lt;label&gt;Test Three&lt;/label&gt; &lt;description&gt;Third test permission&lt;/description&gt; &lt;defaultValue&gt;&gt;false&lt;/defaultValue&gt; &lt;/permission&gt; &lt;/con:AddPermission&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

## Find permissions

**Name:** findPermission

**Description:** Search for a permission or permissions defined in the system.

**Input parameters:**

Name	Value Type	Required/Optional	Description	Editable/Read only
byName	string	Optional	Indicates a search for permissions by their name. May be null.	Editable
byLabel	string	Optional	Indicates a search for permissions by their label. May be null.	Editable

**Output parameters:** Array of items representing the permissions found in the search.

Name	Value Type	Description
name	string	The name of the permission.
label	string	The value representing the label of the permission.
description	string	Describes the permission.
defaultValue		Boolean indicating whether the permission is enabled (true) or disabled (false) by default for Users.
builtin	boolean	Indicates whether the permission is builtin(true) or not(false).

**Example:** Search to find all permissions defined in the system.

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:FindPermission&gt; &lt;/con:FindPermission&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

**Example:** Search to find permission with label "Test Three"

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:FindPermission&gt; &lt;search&gt; &lt;byLabel&gt;Test Three&lt;/byLabel&gt; &lt;/search&gt; &lt;/con:FindPermission&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

## Manage permissions

**Name:** managePermission

**Description:** Manage (update or delete) existing permissions defined in the system. Only permissions which are not built into the system can be edited or deleted.

**Input parameters:**

Name	Value Type	Required /Optional	Description	Editable /Read only
byName	string	optional	String used to indicate a search for permissions by their name. May be null. Name is an internally generated value and may not be useful for searching.	Editable
byLabel	string	optional	Indicates a search for permissions by their label. May be null.	Editable
property			Name of the permission field to edit.	
value			Value to use for the permission field being edited.	
deletepermission	boolean	optional	indicating to delete (true) a permission.	

**Output parameters:** Empty response.

**Example:**

<b>Request</b>	
<b>Response</b>	N/A

## Call groups

The CallGroup Web Services supported are SOAP based services. These services use the Web Service Definition Language (WSDL) to define the interfaces supported.

A Call Group service deals with information related to Hunt Groups. Any information queried or added in one of the implemented services are mapped to Hunt Group in the System Administration.

**URI:** <https://<host name or address>/sipxconfig/services/CallGroupService>

**WSDL:**

```
<wsdl:definitions targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:apachesoap="http://xml.apache.org/xml-soap" xmlns:impl="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:intf="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:wdssoap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<!--
```

WSDL created by Apache Axis version: 1.4

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```
<wsdl:types>
<schema targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns="http://www.w3.org/2001/XMLSchema">
<complexType name="UserRing">
<sequence>
<element name="expiration" type="xsd:int" />
<element name="type" type="xsd:string" />
<element name="position" type="xsd:int" />
<element name="userName" type="xsd:string" />
</sequence>
</complexType>
<complexType name="CallGroup">
<sequence>
<element name="name" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="extension" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="description" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="enabled" nillable="true" type="xsd:boolean" />
<element maxOccurs="unbounded" minOccurs="0" name="rings" nillable="true" type="impl:UserRing" />
</sequence>
</complexType>
<complexType name="AddCallGroup">
<sequence>
<element name="callGroup" type="impl:CallGroup" />
</sequence>
</complexType>
<element name="AddCallGroup" type="impl:AddCallGroup" />
<complexType name="ArrayOfCallGroup">
<sequence>
<element maxOccurs="unbounded" minOccurs="0" name="item" type="impl:CallGroup" />
</sequence>
</complexType>
<complexType name="GetCallGroupsResponse">
<sequence>
```

```

<element name="callGroups" type="impl:ArrayOfCallGroup" />
</sequence>
</complexType>
<element name="GetCallGroupsResponse" type="impl:GetCallGroupsResponse" />
</schema>
</wsdl:types>
<wsdl:message name="getCallGroupsResponse">
<wsdl:part element="impl:GetCallGroupsResponse" name="GetCallGroupsResponse" />
</wsdl:message>
<wsdl:message name="getCallGroupsRequest" />
<wsdl:message name="addCallGroupResponse" />
<wsdl:message name="addCallGroupRequest">
<wsdl:part element="impl:AddCallGroup" name="AddCallGroup" />
</wsdl:message>
<wsdl:portType name="CallGroupService">
<wsdl:operation name="addCallGroup" parameterOrder="AddCallGroup">
<wsdl:input message="impl:addCallGroupRequest" name="addCallGroupRequest" />
<wsdl:output message="impl:addCallGroupResponse" name="addCallGroupResponse" />
</wsdl:operation>
<wsdl:operation name="getCallGroups">
<wsdl:input message="impl:getCallGroupsRequest" name="getCallGroupsRequest" />
<wsdl:output message="impl:getCallGroupsResponse" name="getCallGroupsResponse" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="CallGroupServiceSoapBinding" type="impl:CallGroupService">
<wsdlsoap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http" />
<wsdl:operation name="addCallGroup">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="addCallGroupRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="addCallGroupResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="getCallGroups">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="getCallGroupsRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="getCallGroupsResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="ConfigImplService">
<wsdl:port binding="impl:CallGroupServiceSoapBinding" name="CallGroupService">
<wsdlsoap:address location="https://47.134.206.174:8443/sipxconfig/services/CallGroupService" />
</wsdl:port>
</wsdl:service>
</wsdl:definitions>

```

## Add call groups

**Name:** addCallGroup

**Description:** Add a new hunt group to the system.

**Input parameters:**

Name	Value Type	Required /Optional	Description	Editable /Read only
name	string	required	String representing the name of the hunt group to add.	editable
extension	string	optional	the extension to be associated with the hunt group.	editable
description	string	optional	describes the hunt group.	editable
enabled	boolean	optional	Indicates whether the hunt group is enabled (true) or disabled (false).	
rings	array	optional	describing the members of the hunt group, their position in the group, time (in seconds) to ring the user,	0 or more repetitions
expiration			Time in seconds to present the call to user.	
type	string		the ring sequence. Can be "delayed" or "immediate". Delayed is used to build a sequential type of hunt group and immediate a broadcast type of hunt group. A mixture of delayed and immediate can be used.	

position		The unique position (starting at 0) of the user in the group.
username	string	the extension of the user.

**Output parameters:** Empty response.

**Example:** Add a new hunt group "TestGroup2" that is enabled, dialable at extension 556 and contains 4 members (212, 215, 211, 221).

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:AddCallGroup&gt; &lt;callGroup&gt; &lt;name&gt;TestGroup2&lt;/name&gt; &lt;!--Optional--&gt; &lt;extension&gt;556&lt;/extension&gt; &lt;!--Optional--&gt; &lt;description&gt;Sample SOAP created Hunt Group&lt;/description&gt; &lt;!--Optional--&gt; &lt;enabled&gt;true&lt;/enabled&gt; &lt;!--Zero or more repetitions--&gt; &lt;rings&gt; &lt;expiration&gt;10&lt;/expiration&gt; &lt;type&gt;delayed&lt;/type&gt; &lt;position&gt;0&lt;/position&gt; &lt;userName&gt;212&lt;/userName&gt; &lt;/rings&gt; &lt;rings&gt; &lt;expiration&gt;10&lt;/expiration&gt; &lt;type&gt;immediate&lt;/type&gt; &lt;position&gt;1&lt;/position&gt; &lt;userName&gt;215&lt;/userName&gt; &lt;/rings&gt; &lt;rings&gt; &lt;expiration&gt;15&lt;/expiration&gt; &lt;type&gt;immediate&lt;/type&gt; &lt;position&gt;2&lt;/position&gt; &lt;userName&gt;211&lt;/userName&gt; &lt;/rings&gt; &lt;rings&gt; &lt;expiration&gt;15&lt;/expiration&gt; &lt;type&gt;delayed&lt;/type&gt; &lt;position&gt;3&lt;/position&gt; &lt;userName&gt;221&lt;/userName&gt; &lt;/rings&gt; &lt;/callGroup&gt; &lt;/con:AddCallGroup&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

## Get call groups

**Name:** getCallGroups

**Description:** Query the hunt groups defined in the system.

**Input parameters:** None

**Output parameters:** Array of items representing the permissions found in the search.

Name	Value Type	Description
name	string	the name of the hunt group.
Extension	string	representing the extension associated with the hunt group.
description	string	Describes the hunt group.
enabled	boolean	indicating whether the hunt group is enabled (true) or disabled (false).

ring	array	Describing the members of the hunt group, their position in the group, time (in seconds) to ring the user (0 or more repetitions).
expiration		Time in seconds to present the call to user.
type	string	representing the ring sequence. Can be "delayed" or "immediate". Delayed is used to build a sequential type of hunt group and immediate a broadcast type of hunt group. A mixture of delayed and immediate can be used.
position		The unique position (starting at 0) of the user in the group.
username	string	String representing the extension of the user.

**Example:** Query of the hunt groups defined in the system.

<b>Request</b>	<?xml version="1.0" encoding="UTF-8" ?> <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"> <soapenv:Header/> <soapenv:Body/> </soapenv:Envelope>
<b>Response</b>	

## Users

The User Web Services supported are SOAP based services. These services use the Web Service Definition Language (WSDL) to define the interfaces supported.

**URI:** https://<host name or address>/sipxconfig/services/UserService

**WSDL:**

```
<?xml version="1.0" encoding="UTF-8" ?>
<wSDL:definitions targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:apachesoap="http://xml.apache.org/xml-soap" xmlns:impl="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:intf="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:wSDL="http://schemas.xmlsoap.org/wsdl/" xmlns:wSDLsoap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" >
- <!--
```

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-->

```
<wSDL:types>
<schema targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns="http://www.w3.org/2001/XMLSchema">
<complexType name="User">
<sequence>
<element name="userName" type="xsd:string" />
<element name="pintoken" nillable="true" type="xsd:string" />
<element name="lastName" nillable="true" type="xsd:string" />
<element name="firstName" nillable="true" type="xsd:string" />
<element name="sipPassword" nillable="true" type="xsd:string" />
<element maxOccurs="unbounded" minOccurs="0" name="aliases" nillable="true" type="xsd:string" />
<element name="emailAddress" nillable="true" type="xsd:string" />
<element maxOccurs="unbounded" minOccurs="0" name="groups" nillable="true" type="xsd:string" />
<element maxOccurs="unbounded" minOccurs="0" name="permissions" nillable="true" type="xsd:string" />
<element maxOccurs="1" name="branchName" nillable="true" type="xsd:string" />
</sequence>
</complexType>
<complexType name="AddUser">
<sequence>
<element name="user" type="impl:User" />
<element name="pin" type="xsd:string" />
</sequence>
</complexType>
<element name="AddUser" type="impl:AddUser" />
<complexType name="UserSearch">
<sequence>
<element maxOccurs="1" minOccurs="0" name="byUserName" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="byFuzzyUserNameOrAlias" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="byGroup" type="xsd:string" />
</sequence>
</complexType>
<complexType name="FindUser">
<sequence>
<element name="search" type="impl:UserSearch" />
</sequence>
</complexType>
<element name="FindUser" type="impl:FindUser" />
<complexType name="ArrayOfUser">
<sequence>
```



```

<element maxOccurs="unbounded" minOccurs="0" name="item" type="impl:User" />
</sequence>
</complexType>
<complexType name="FindUserResponse">
<sequence>
<element name="users" type="impl:ArrayOfUser" />
</sequence>
</complexType>
<element name="FindUserResponse" type="impl:FindUserResponse" />
<complexType name="Property">
<sequence>
<element name="property" type="xsd:string" />
<element name="value" nillable="true" type="xsd:string" />
</sequence>
</complexType>
<complexType name="ManageUser">
<sequence>
<element name="search" type="impl:UserSearch" />
<element maxOccurs="unbounded" name="edit" type="impl:Property" />
<element maxOccurs="1" minOccurs="0" name="deleteUser" nillable="true" type="xsd:boolean" />
<element maxOccurs="1" minOccurs="0" name="addGroup" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="removeGroup" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="updateGroup" nillable="true" type="xsd:string" />
</sequence>
</complexType>
<element name="ManageUser" type="impl:ManageUser" />
</schema>
</wsdl:types>
<wsdl:message name="findUserRequest">
<wsdl:part element="impl:FindUser" name="FindUser" />
</wsdl:message>
<wsdl:message name="addUserRequest">
<wsdl:part element="impl:AddUser" name="AddUser" />
</wsdl:message>
<wsdl:message name="manageUserResponse" />
<wsdl:message name="addUserResponse" />
<wsdl:message name="manageUserRequest">
<wsdl:part element="impl:ManageUser" name="ManageUser" />
</wsdl:message>
<wsdl:message name="findUserResponse">
<wsdl:part element="impl:FindUserResponse" name="FindUserResponse" />
</wsdl:message>
<wsdl:portType name="UserService">
<wsdl:operation name="addUser" parameterOrder="AddUser">
<wsdl:input message="impl:addUserRequest" name="addUserRequest" />
<wsdl:output message="impl:addUserResponse" name="addUserResponse" />
</wsdl:operation>
<wsdl:operation name="findUser" parameterOrder="FindUser">
<wsdl:input message="impl:findUserRequest" name="findUserRequest" />
<wsdl:output message="impl:findUserResponse" name="findUserResponse" />
</wsdl:operation>
<wsdl:operation name="manageUser" parameterOrder="ManageUser">
<wsdl:input message="impl:manageUserRequest" name="manageUserRequest" />
<wsdl:output message="impl:manageUserResponse" name="manageUserResponse" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="UserServiceSoapBinding" type="impl:UserService">
<wsdlsoap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http" />
<wsdl:operation name="addUser">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="addUserRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="addUserResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="findUser">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="findUserRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="findUserResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="manageUser">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="manageUserRequest">

```

```

<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="manageUserResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="ConfigImplService">
<wsdl:port binding="impl:UserServiceSoapBinding" name="UserService">
<wsdlsoap:address location="https://47.134.206.174:8443/sipxconfig/services/UserService" />
</wsdl:port>
</wsdl:service>
</wsdl:definitions>

```

**Note:** wsdlsoap:address location specified at the end of the WSDL will be specific to your system.

## Add users

**Name:** addUser

**Description:** Add a new user to the system.

**Input parameters:**

Name	Value Type	Required /Optional	Description	Editable /Read only
user Name	string	required	the name of the user to add.	editable
pin token	string	optional	An internally generated token that is an encrypted version of the voicemail pin. This field should not be specified as it will be internally generated.	read only
lastName	string	optional	The last name of the user.	editable
firstName	string	optional	the first name of the user.	editable
sipPassword	string	optional	the SIP password for the user.	
aliases	array		Array of strings, each representing membership in defined groups.(0 or more repetitions)	
permissions	array		rray of strings, each representing a permission name that is granted to the user. Permissions can be general or call permissions. Permissions defined in the system can be obtained using the Permission Services (findPermission).(0 or more repetitions)	
pin	string	required	The PIN for the user.	editable
branchName	string	optional	user's branch.	editable

**Output parameters:** Empty response.

**Example:** Add a new user 223 to the system with sipPassword 4567, pin 1234 along with various permissions and group memberships, in branch Berlin.

<b>Request</b>	<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:AddUser&gt; &lt;user&gt; &lt;userName&gt;223&lt;/userName&gt; &lt;lastName&gt;Einstein&lt;/lastName&gt; &lt;firstName&gt;Albert&lt;/firstName&gt; &lt;sipPassword&gt;4567&lt;/sipPassword&gt; &lt;emailAddress&gt;albertE@yahoo.com&lt;/emailAddress&gt; &lt;branchName&gt;Berlin&lt;/branchName&gt; &lt;groups&gt;Managers&lt;/groups&gt; &lt;permissions&gt;FreeswitchVoicemailServer&lt;/permissions&gt; &lt;permissions&gt;InternationalDialing&lt;/permissions&gt; &lt;permissions&gt;LocalDialing&lt;/permissions&gt; &lt;permissions&gt;LongDistanceDialing&lt;/permissions&gt; &lt;permissions&gt;Mobile&lt;/permissions&gt; &lt;permissions&gt;TollFree&lt;/permissions&gt; &lt;permissions&gt;Voicemail&lt;/permissions&gt; &lt;permissions&gt;music-on-hold&lt;/permissions&gt; &lt;permissions&gt;perm_8&lt;/permissions&gt; &lt;permissions&gt;personal-auto-attendant&lt;/permissions&gt; &lt;permissions&gt;tui-change-pin&lt;/permissions&gt; &lt;/user&gt; &lt;pin&gt;1234&lt;/pin&gt; &lt;/con:AddUser&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>
<b>Response</b>	

## Find users

**Name:** findUser

**Description:** Find a defined user(s) in the system.

**Input parameters:** Either no parameters (for a listing of all users) should be provided or one of the following optional parameters.

Name	Value Type	Required /Optional	Description	Editable/Read only
byUserName	string	optional	the name of the user to find.	editable
byFuzzyUserNameOrAlias	string	optional	a partial user name or alias to search for. This represents sort type of wildcard search.	editable
byGroup	string	optional	the users which are members of a particular defined group.	editable

**Output parameters:** An array of 0 or more of the following:

Name	Value Type	Description
userName	string	the name of the user to add.
token	string	an internally generated token that is an encrypted version of the pin.
lastName	string	the last name of the user.
firstName	string	the first name of the user.
sipPassword	string	the SIP password for the user.
aliases	array	Array of strings, each representing a user alias. (0 or more repetitions)
emailAddress	string	the email address for the user.

groups	array	Array of strings, each representing membership in defined groups. permissions(0 or more repetitions) – Array of strings, each representing a permission name that is granted to the user. Permissions can be general or call permissions. Permissions defined in the system can be obtained using the Permission Services (findPermission). (0 or more repetitions)
pin	string	the PIN for the user.
branchName	string	user's branch.

**Example:** Find all defined users in the system.

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;con:FindUser&gt;     &lt;/con:FindUser&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

**Example:** Find all users that are members of the group "Managers".

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;con:FindUser&gt;       &lt;search&gt;         &lt;byGroup&gt;Managers&lt;/byGroup&gt;       &lt;/search&gt;     &lt;/con:FindUser&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

**Example:** Find the user userName "223".

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;con:FindUser&gt;       &lt;search&gt;         &lt;byUserName&gt;223&lt;/byUserName&gt;       &lt;/search&gt;     &lt;/con:FindUser&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

**Example:** Find users whose userName begins with "22".

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;con:FindUser&gt;       &lt;search&gt;         &lt;byFuzzyUserNameOrAlias&gt;22&lt;/byFuzzyUserNameOrAlias&gt;       &lt;/search&gt;     &lt;/con:FindUser&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

## Manage users

**Name:** manageUser

**Description:** Manage (update or delete) existing users defined in the system.

**Input parameters:** Either no parameters (for a listing of all users) should be provided or one of the following optional parameters.

Name	Value Type	Required /Optional	Description	Editable/Read only
byUserName	string	optional	The name of the user to find.	editable
byFuzzyUserNameOrAlias	string	optional	A partial user name or alias to search for. This represents sort type of wildcard search.	editable
byGroup	string	optional	The users which are members of a particular defined group.	editable
property	string	optional	Name of the user field to edit.	editable
value	string	optional	Edit parameter.Value to use for the user field being edited.	editable
deleteUser	boolean	optional	indicating to delete (true) a user(s). This is dependent on the search results.	editable
addGroup	string	optional	Add parameter. the name of the group to add the user(s) to. This is dependent on the search results.	editable
removeGroup	string	optional	the name of the group to remove the user(s) from. This is dependent on the search results.	editable
updateBranch	string	optional	the name of the branch to update the user(s) to.	editable

**Output parameters:** Empty response

**Example:** Remove all users in the system beginning with username "22" from group "Managers"

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:ManageUser&gt; &lt;search&gt; &lt;byFuzzyUserNameOrAlias&gt;22&lt;/byFuzzyUserNameOrAlias&gt; &lt;/search&gt; &lt;removeGroup&gt;Managers&lt;/removeGroup&gt; &lt;/con:ManageUser&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	N/A

**Example:** Add user with username "211" to the group "Managers".

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:ManageUser&gt; &lt;byUserName&gt;211&lt;/byUserName&gt; &lt;/search&gt; &lt;addGroup&gt;Managers&lt;/addGroup&gt; &lt;/con:ManageUser&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	N/A

**Example:** Change all users from group "Managers" to have a lastName of "SuperDog" and firstName of "I am"

<b>Request</b>	<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;con:ManageUser&gt;       &lt;search&gt;         &lt;!-- Optional --&gt;         &lt;byGroup&gt;Managers&lt;/byGroup&gt;       &lt;/search&gt;       &lt;!-- 1 or more repetitions --&gt;       &lt;edit&gt;         &lt;!-- You may enter the following 2 items in any order --&gt;         &lt;property&gt;lastName&lt;/property&gt;         &lt;value&gt;SuperDog&lt;/value&gt;       &lt;/edit&gt;       &lt;edit&gt;         &lt;!-- You may enter the following 2 items in any order --&gt;         &lt;property&gt;firstName&lt;/property&gt;         &lt;value&gt;I am&lt;/value&gt;       &lt;/edit&gt;     &lt;/con:ManageUser&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>
<b>Response</b>	N/A

**Example:** Update user with username "211" to the branch "Berlin".

<b>Request</b>	<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;con:ManageUser&gt;       &lt;byUserName&gt;211&lt;/byUserName&gt;     &lt;/search&gt;     &lt;updateBranch&gt;Berlin&lt;/updateBranch&gt;   &lt;/con:ManageUser&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>
<b>Response</b>	N/A

## Park orbit

The Park Orbit Web Services supported are SOAP based services. These services use the Web Service Definition Language (WSDL) to define the interfaces supported.

Note that starting with V14.10, new REST APIS have been implement for the park orbit functionality.

**URI:** <https://<host name or address>:8443/sipxconfig/services/ParkOrbitService>

**WSDL:**

```

<?xml version="1.0" encoding="UTF-8" ?>
<wsdl:definitions targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:apacheSOAP="http://xml.apache.org/xml-soap" xmlns:impl="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:intf="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:wSDL="http://schemas.xmlsoap.org/wsdl/" xmlns:wSDLSOAP="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:xSD="http://www.w3.org/2001/XMLSchema">
  <!--
WSDL created by Apache Axis version: 1.4
Built on Apr 22, 2006 (06:55:48 PDT)
-->
<wsdl:types>
<schema targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns="http://www.w3.org/2001/XMLSchema">
<complexType name="ParkOrbit">
<sequence>
<element name="name" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="extension" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="description" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="enabled" nillable="true" type="xsd:boolean" />
<element maxOccurs="1" minOccurs="0" name="music" nillable="true" type="xsd:string" />
</sequence>
</complexType>
<complexType name="AddParkOrbit">
<sequence>
<element name="parkOrbit" type="impl:ParkOrbit" />
</sequence>
</complexType>
<element name="AddParkOrbit" type="impl:AddParkOrbit" />

```

```

<complexType name="ArrayOfParkOrbit">
<sequence>
<element maxOccurs="unbounded" minOccurs="0" name="item" type="impl:ParkOrbit" />
</sequence>
</complexType>
<complexType name="GetParkOrbitsResponse">
<sequence>
<element name="parkOrbits" type="impl:ArrayOfParkOrbit" />
</sequence>
</complexType>
<element name="GetParkOrbitsResponse" type="impl:GetParkOrbitsResponse" />
</schema>
</wsdl:types>
<wsdl:message name="addParkOrbitRequest">
<wsdl:part element="impl:AddParkOrbit" name="AddParkOrbit" />
</wsdl:message>
<wsdl:message name="addParkOrbitResponse" />
<wsdl:message name="getParkOrbitsResponse">
<wsdl:part element="impl:GetParkOrbitsResponse" name="GetParkOrbitsResponse" />
</wsdl:message>
<wsdl:message name="getParkOrbitsRequest" />
<wsdl:portType name="ParkOrbitService">
<wsdl:operation name="addParkOrbit" parameterOrder="AddParkOrbit">
<wsdl:input message="impl:addParkOrbitRequest" name="addParkOrbitRequest" />
<wsdl:output message="impl:addParkOrbitResponse" name="addParkOrbitResponse" />
</wsdl:operation>
<wsdl:operation name="getParkOrbits">
<wsdl:input message="impl:getParkOrbitsRequest" name="getParkOrbitsRequest" />
<wsdl:output message="impl:getParkOrbitsResponse" name="getParkOrbitsResponse" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="ParkOrbitServiceSoapBinding" type="impl:ParkOrbitService">
<wsdlsoap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http" />
<wsdl:operation name="addParkOrbit">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="addParkOrbitRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="addParkOrbitResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="getParkOrbits">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="getParkOrbitsRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="getParkOrbitsResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="ConfigImplService">
<wsdl:port binding="impl:ParkOrbitServiceSoapBinding" name="ParkOrbitService">
<wsdlsoap:address location="https://47.134.206.174:8443/sjpxconfig/services/ParkOrbitService" />
</wsdl:port>
</wsdl:service>
</wsdl:definitions>

```

## Add park orbit

**Name:** addParkOrbit

**Description:** Add a new call park orbit to the system.

**Input parameters:** Either no parameters (for a listing of all users) should be provided or one of the following optional parameters.

Name	Value Type	Required /Optional	Description	Editable/Read only
name	string	required	the name of the call park orbit to add.	editable
extension	string	optional	the dialable extension to be used.	editable
description	string	optional	description of the call park orbit.	editable
enabled	boolean	optional	indicating if the call park orbit is enabled(true) or not(false).	editable
music	path	optional	Path to a wave file (of the appropriate format) to play as background music for calls parked on this orbit.	editable

**Output parameters:** Empty response

**Example:** Add a new call park orbit with name "ParkSales", extension "46" and is enabled.

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:AddParkOrbit&gt; &lt;parkOrbit&gt; &lt;name&gt;ParkSales&lt;/name&gt; &lt;!-- Optional --&gt; &lt;extension&gt;46&lt;/extension&gt; &lt;!-- Optional --&gt; &lt;description&gt;Sales calls park orbit&lt;/description&gt; &lt;!-- Optional --&gt; &lt;enabled&gt;true&lt;/enabled&gt; &lt;/parkOrbit&gt; &lt;/con:AddParkOrbit&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	N/A

## Get park orbit

**Name:** getParkOrbits

**Description:** Queries information on all call park orbits defined in the system.

**Input parameters:** None.

**Output parameters:**

Name	Value Type	Description
name	string	the name of the call park orbit.
extension	string	the dialable extension.
description	string	a description of the call park orbit.
enabled	boolean	indicating if the call park orbit is enabled(true) or not(false).
music		Path to a wave file (of the appropriate format) to play as background music for calls parked on this orbit.

**Example:** Query the call park orbits defined in the system.

<b>Request</b>	N/A
<b>Response</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body/&gt; &lt;/soapenv:Envelope&gt;</pre>

## Phones

The Phone Web Services supported are SOAP based services. These services use the Web Service Definition Language (WSDL) to define the interfaces supported.

**URI:** https://<host name or address>/sipxconfig/services/PhoneService

**WSDL:**

```
<?xml version="1.0" encoding="UTF-8" ?>
<wsdl:definitions targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:apacheSOAP="http://xml.apache.org/xml-soap" xmlns:
impl="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:intf="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:wsdl="http://schemas.
xmlsoap.org/wsdl/" xmlns:wsdlSOAP="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
- <!--
```

WSDL created by Apache Axis version: 1.4

Built on Apr 22, 2006 (06:55:48 PDT)

-->

<wsdl:types>

<schema targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns="http://www.w3.org/2001/XMLSchema">

<complexType name="Line">

<sequence>



```

<element name="userId" type="xsd:string" />
<element name="uri" type="xsd:string" />
</sequence>
</complexType>
<complexType name="Phone">
<sequence>
<element name="serialNumber" type="xsd:string" />
<element name="modelId" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="description" nillable="true" type="xsd:string" />
<element maxOccurs="unbounded" minOccurs="0" name="groups" nillable="true" type="xsd:string" />
<element maxOccurs="unbounded" minOccurs="0" name="lines" nillable="true" type="impl:Line" />
<element maxOccurs="1" minOccurs="0" name="deviceVersion" nillable="true" type="xsd:string" />
</sequence>
</complexType>
<complexType name="AddPhone">
<sequence>
<element name="phone" type="impl:Phone" />
</sequence>
</complexType>
<element name="AddPhone" type="impl:AddPhone" />
<complexType name="PhoneSearch">
<sequence>
<element maxOccurs="1" minOccurs="0" name="bySerialNumber" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="byGroup" type="xsd:string" />
</sequence>
</complexType>
<complexType name="FindPhone">
<sequence>
<element name="search" type="impl:PhoneSearch" />
</sequence>
</complexType>
<element name="FindPhone" type="impl:FindPhone" />
<complexType name="ArrayOfPhone">
<sequence>
<element maxOccurs="unbounded" minOccurs="0" name="item" type="impl:Phone" />
</sequence>
</complexType>
<complexType name="FindPhoneResponse">
<sequence>
<element name="phones" type="impl:ArrayOfPhone" />
</sequence>
</complexType>
<element name="FindPhoneResponse" type="impl:FindPhoneResponse" />
<complexType name="Property">
<sequence>
<element name="property" type="xsd:string" />
<element name="value" nillable="true" type="xsd:string" />
</sequence>
</complexType>
<complexType name="AddExternalLine">
<sequence>
<element name="userId" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="displayName" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="password" type="xsd:string" />
<element name="registrationServer" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="voiceMail" type="xsd:string" />
</sequence>
</complexType>
<complexType name="ManagePhone">
<sequence>
<element name="search" type="impl:PhoneSearch" />
<element maxOccurs="unbounded" name="edit" type="impl:Property" />
<element maxOccurs="1" minOccurs="0" name="deletePhone" nillable="true" type="xsd:boolean" />
<element maxOccurs="1" minOccurs="0" name="addGroup" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="removeGroup" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="addLine" nillable="true" type="impl:Line" />
<element maxOccurs="1" minOccurs="0" name="addExternalLine" nillable="true" type="impl:AddExternalLine" />
<element maxOccurs="1" minOccurs="0" name="removeLineByUserId" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="removeLineByUri" nillable="true" type="xsd:string" />
<element maxOccurs="1" minOccurs="0" name="generateProfiles" nillable="true" type="xsd:boolean" />
<element maxOccurs="1" minOccurs="0" name="restart" nillable="true" type="xsd:boolean" />
</sequence>
</complexType>
<element name="ManagePhone" type="impl:ManagePhone" />
</schema>
</wsdl:types>
<wsdl:message name="findPhoneRequest">
<wsdl:part element="impl:FindPhone" name="FindPhone" />
</wsdl:message>

```

```

<wsdl:message name="managePhoneResponse" />
<wsdl:message name="addPhoneResponse" />
<wsdl:message name="managePhoneRequest">
<wsdl:part element="impl:ManagePhone" name="ManagePhone" />
</wsdl:message>
<wsdl:message name="addPhoneRequest">
<wsdl:part element="impl:AddPhone" name="AddPhone" />
</wsdl:message>
<wsdl:message name="findPhoneResponse">
<wsdl:part element="impl:FindPhoneResponse" name="FindPhoneResponse" />
</wsdl:message>
<wsdl:portType name="PhoneService">
<wsdl:operation name="addPhone" parameterOrder="AddPhone">
<wsdl:input message="impl:addPhoneRequest" name="addPhoneRequest" />
<wsdl:output message="impl:addPhoneResponse" name="addPhoneResponse" />
</wsdl:operation>
<wsdl:operation name="findPhone" parameterOrder="FindPhone">
<wsdl:input message="impl:findPhoneRequest" name="findPhoneRequest" />
<wsdl:output message="impl:findPhoneResponse" name="findPhoneResponse" />
</wsdl:operation>
<wsdl:operation name="managePhone" parameterOrder="ManagePhone">
<wsdl:input message="impl:managePhoneRequest" name="managePhoneRequest" />
<wsdl:output message="impl:managePhoneResponse" name="managePhoneResponse" />
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="PhoneServiceSoapBinding" type="impl:PhoneService">
<wsdlsoap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http" />
<wsdl:operation name="addPhone">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="addPhoneRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="addPhoneResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="findPhone">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="findPhoneRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="findPhoneResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="managePhone">
<wsdlsoap:operation soapAction="" />
<wsdl:input name="managePhoneRequest">
<wsdlsoap:body use="literal" />
</wsdl:input>
<wsdl:output name="managePhoneResponse">
<wsdlsoap:body use="literal" />
</wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="ConfigImplService">
<wsdl:port binding="impl:PhoneServiceSoapBinding" name="PhoneService">
<wsdlsoap:address location="https://47.134.206.174/sipxconfig/services/PhoneService" />
</wsdl:port>
</wsdl:service>
</wsdl:definitions>

```

**Note:** wsdlsoap:address location specified at the end of the WSDL will be specific to your system.

## Add phones

**Name:** addPhone

**Description:** Add a new phone to the system.

**Input parameters:**

Name	Value Type	Required/Optional	Description	Editable/Read only
serialNumber	string	required	the MAC address of the phone.	editable
modelId	string	required	a supported model Id. For a complete list of supported phone tubes, see the list below.	editable
description	string	optional	the description of the phone.	editable
groups	string	optional	the phone group(s) this new phone will be in. (0 or more repetitions)	editable
lines	string	optional	String representing the line(s) assigned to this phone.(0 or more repetitions)	editable

deviceVersion	string	optional	The version of the phone.	editable
---------------	--------	----------	---------------------------	----------

**Output parameters:** Empty response

**Example:** Add a new "Polycom SounPoint IP 321" phone to the system and assign line "221" to it as well as put it in the phone group "FirstPhoneGroup".

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:AddPhone&gt; &lt;phone&gt; &lt;serialNumber&gt;000000000002&lt;/serialNumber&gt; &lt;modelId&gt;polycom321&lt;/modelId&gt; &lt;!-- Optional --&gt; &lt;description&gt;SOAP added phone&lt;/description&gt; &lt;!-- Zero or more repetitions --&gt; &lt;groups&gt;FirstPhoneGroup&lt;/groups&gt; &lt;!-- Zero or more repetitions --&gt; &lt;lines&gt; &lt;userId&gt;221&lt;/userId&gt; &lt;uri&gt;221@Uniteme.ezuze.com&lt;/uri&gt; &lt;/lines&gt; &lt;!-- Optional --&gt; &lt;/phone&gt; &lt;/con:AddPhone&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	N/A

**List of supported phones:**

- aastra53i
- aastra55i
- aastra57i
- aastra560m
- aastra sip ip 53i
- audiocodesMP112\_FXS
- audiocodesMP114\_FXS
- audiocodesMP118\_FXS
- audiocodesMP124\_FXS
- avaya-1210
- avaya-1220
- avaya-1230
- bria
- ciscopius7911G
- ciscopius7941G
- ciscopius7945G
- ciscopius7961G
- ciscopius7965G
- ciscopius7970G
- ciscopius7975G
- cisco7960
- cisco7940
- cisco7912
- cisco7905
- cisco18x
- clearone
- gtekAq10x
- gtekHl20x
- gtekVt20x
- gsPhoneBt100
- gsPhoneBt200
- gsPhoneGxp2020
- gsPhoneGxp2010
- gsPhoneGxp2000
- gsPhoneGxp1200
- gsPhoneGxv3000
- gsFxsGxw4004
- gsFxsGxw4008
- gsHt286
- gsHt386
- gsHt486
- gsHt488
- gsHt496
- hitachi3000
- hitachi5000

- hitachi5000A
- ipDialog
- isphone
- karellP116
- karellP112
- karellP111
- karellNT32l
- karellNT42l
- linksys901
- linksys921
- linksys922
- linksys941
- linksys942
- linksys962
- linksys2102
- linksys3102
- linksys8000
- SPA501G
- SPA502G
- SPA504G
- SPA508G
- SPA509G
- SPA525G
- mitel
- nortel11xx
- nortel1535
- lip6804
- lip6812
- lip6830
- polycom321
- polycom320
- polycom330
- polycom331
- polycom335
- polycom430
- polycom450
- polycom550
- polycom560
- polycom650
- polycom670
- polycomVVX1500
- polycom5000
- polycom6000
- polycom7000
- snom300
- snom320
- snom360
- snom370
- snomM3
- unidatawpu7700

## Find phones

**Name:** findPhone

**Description:** Find a defined phone(s) in the system.

**Input parameters:** Either no parameters (for a listing of all phones) should be provided or one of the following optional parameters.

Name	Value Type	Required/Optional	Description	Editable/Read only
bySerialNumber	string	required	the serial number (MAC address) of the phone to find.	editable
byGroup	string	optional	the phones which are members of a particular defined phone group.	editable

**Output parameters:** An array of 0 or more of the following:

Name	Value Type	Description
serialNumber	string	the serial number (MAC address) of the phone.
extension	string	the dialable extension.
description	string	a description of the call park orbit.
enabled	boolean	indicating if the call park orbit is enabled(true) or not(false).

**Example:** Find all defined phones in the system.

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:FindPhone&gt; &lt;/con:FindPhone&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

**Example:** Find all phones that are members of the phone group "FirstPhoneGroup".

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:FindPhone&gt; &lt;search&gt; &lt;byGroup&gt;FirstPhoneGroup&lt;/byGroup&gt; &lt;/search&gt; &lt;/con:FindPhone&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

**Example:** Find the phone with serial number "000000000001".

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;con:FindPhone&gt; &lt;search&gt; &lt;bySerialNumber&gt;000000000001&lt;/bySerialNumber&gt; &lt;/search&gt; &lt;/con:FindPhone&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	

## Manage phones

**Name:** managePhone

**Description:** Manage (update or delete) existing phones defined in the system.

**Input parameters:** Either no parameters (for a listing of all phones) should be provided or one of the following optional parameters.

Name	Value Type	Required /Optional	Description	Editable /Read only
bySerialNumber	string	required	indicate a search for a phone by its serial number (MAC Address). May be null.	editable
byGroup	string	optional	the phones which are members of a particular defined phone group.	editable
property			Name of the phone field to edit.	
value			Value to use for the phone field being edited.	
deletePhone	boolean	optional	Boolean indicating to delete (true) a phone(s). This is dependent on the search results.	
addGroup		optional	the name of the phone group to add the phone(s) to. This is dependent on the search results.	
removeGroup	string	optional	The name of the group to remove the phone(s) from. This is dependent on the search results.	
addLine	string	optional	userId and uri representing a line to be added to the phone(s). This is dependent on the search results.	
addExternalLine	string	optional	userId, displayName, password, registrationServer and voicemail of the external line to add to the phone(s). This is dependent on the search results.	
userId	string	required	the user portion of the SIP URI and default value for authorization (i.e. 201, jsmith).	
displayName	string	optional	the display name to use for the userId.	
password	string	optional	the PIN/Password the the userId.	

registrationServer	string	required	the domain where the userId resides.	
voicemail	string	optional	the voicemail extension for the userId.	
removeLineByUserId	string	optional	the userId of the line to remove from the phone(s). This is dependent on the search results.	
removeLineByUri	string	optional	the uri of the line to remove the from the phone(s). This is dependent on the search results.	
generateProfiles	boolean	optional	indicating to generate(true) the profiles for the phone(s). This is dependent on the search results.	
restart	boolean	optional	indicating to restart(true) the phone(s). This is dependent on the search results.	

**Output parameters:** Empty response

**Example:** Delete all phones which are part of the group "FirstPhoneGroup"

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;con:ManagePhone&gt;       &lt;search&gt;         &lt;byGroup&gt;FirstPhoneGroup&lt;/byGroup&gt;       &lt;/search&gt;       &lt;deletePhone&gt;true&lt;/deletePhone&gt;     &lt;/con:ManagePhone&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	N/A

**Example:** Add line with userId "221" to the phones in "FirstPhoneGroup", generate the profiles for the phones and then restart them.

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;con:ManagePhone&gt;       &lt;search&gt;         &lt;byGroup&gt;FirstPhoneGroup&lt;/byGroup&gt;       &lt;/search&gt;       &lt;addLine&gt;         &lt;userId&gt;221&lt;/userId&gt;         &lt;uri&gt;221@Uniteme.ezuze.com&lt;/uri&gt;       &lt;/addLine&gt;       &lt;generateProfiles&gt;true&lt;/generateProfiles&gt;       &lt;restart&gt;true&lt;/restart&gt;     &lt;/con:ManagePhone&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	N/A

**Example:** Remove all the phones in "FirstPhoneGroup".

<b>Request</b>	<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;con:ManagePhone&gt;       &lt;search&gt;         &lt;byGroup&gt;FirstPhoneGroup&lt;/byGroup&gt;       &lt;/search&gt;       &lt;removeGroup&gt;FirstPhoneGroup&lt;/removeGroup&gt;     &lt;/con:ManagePhone&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>
<b>Response</b>	N/A

# Test

The Test Web Services supported are SOAP based services. These services use the Web Service Definition Language (WSDL) to define the interfaces supported.

**URI:** https://<host name or address>/sipxconfig/services/TestService

**WSDL:**

```
<wsdl:definitions targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:apachesoap="http://xml.apache.org/xml-soap" xmlns:impl="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:intf="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:wsdlsoap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
```

```
- <!--
```

```
WSDL created by Apache Axis version: 1.4
```

```
Built on Apr 22, 2006 (06:55:48 PDT)
```

```
-->
```

```
<wsdl:types>
```

```
<schema targetNamespace="http://www.sipfoundry.org/2007/08/21/ConfigService" xmlns="http://www.w3.org/2001/XMLSchema">
```

```
<complexType name="ResetServices">
```

```
<sequence>
```

```
<element maxOccurs="1" minOccurs="0" name="callGroup" nillable="true" type="xsd:boolean" />
```

```
<element maxOccurs="1" minOccurs="0" name="parkOrbit" nillable="true" type="xsd:boolean" />
```

```
<element maxOccurs="1" minOccurs="0" name="permission" nillable="true" type="xsd:boolean" />
```

```
<element maxOccurs="1" minOccurs="0" name="phone" nillable="true" type="xsd:boolean" />
```

```
<element maxOccurs="1" minOccurs="0" name="user" nillable="true" type="xsd:boolean" />
```

```
<element maxOccurs="1" minOccurs="0" name="superAdmin" nillable="true" type="xsd:boolean" />
```

```
</sequence>
```

```
</complexType>
```

```
<element name="ResetServices" type="impl:ResetServices" />
```

```
</schema>
```

```
</wsdl:types>
```

```
<wsdl:message name="resetServicesRequest">
```

```
<wsdl:part element="impl:ResetServices" name="ResetServices" />
```

```
</wsdl:message>
```

```
<wsdl:message name="resetServicesResponse" />
```

```
<wsdl:portType name="TestService">
```

```
<wsdl:operation name="resetServices" parameterOrder="ResetServices">
```

```
<wsdl:input message="impl:resetServicesRequest" name="resetServicesRequest" />
```

```
<wsdl:output message="impl:resetServicesResponse" name="resetServicesResponse" />
```

```
</wsdl:operation>
```

```
</wsdl:portType>
```

```
<wsdl:binding name="TestServiceSoapBinding" type="impl:TestService">
```

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

```
<wsdl:operation name="resetServices">
```

```
<wsdlsoap:operation soapAction="" />
```

```
<wsdl:input name="resetServicesRequest">
```

```
<wsdlsoap:body use="literal" />
```

```
</wsdl:input>
```

```
<wsdl:output name="resetServicesResponse">
```

```
<wsdlsoap:body use="literal" />
```

```
</wsdl:output>
```

```
</wsdl:operation>
```

```
</wsdl:binding>
```

```
<wsdl:service name="ConfigImplService">
```

```
<wsdl:port binding="impl:TestServiceSoapBinding" name="TestService">
```

```
<wsdlsoap:address location="https://47.134.206.174:8443/sipxconfig/services/TestService" />
```

```
</wsdl:port>
```

```
</wsdl:service>
```

```
</wsdl:definitions>
```

## Reset services

**Name:** resetServices

**Description:** Resets(deletes) the data associated with one or more web services.

**Note:** This is an extremely dangerous service as it could permanently delete large amounts of configuration data. USE WITH EXTREME CAUTION

**Input parameters:**

Name	Value Type	Required/Optional	Description	Editable/Read only
callGroup	boolean	optional	indicating to delete(true) all callGroup(i.e. Hunt Group) data.	editable
parkOrbit	boolean	optional	indicating to delete(true) all Call Park Orbits.	editable
permission	boolean	optional	indicating to delete(true) all non-system defined permissions.	editable
phone	boolean	optional	indicating to delete(true) all defined phones.	editable
user	boolean	optional	indicating to delete(true) all defined users(except superadmin).	editable
superadmin	boolean	optional	indicating to delete(true) all superadmin data except for the PIN.	editable

**Output parameters:** Empty response

**Example:** Remove all Call Groups (i.e. Hunt Groups), Park Orbits and Permissions defined.

<b>Request</b>	<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:con="http://www.sipfoundry.org/2007/08/21/ConfigService"> <soapenv:Header/> <soapenv:Body> <con:ResetServices> <!--Optional--> <callGroup>true</callGroup> <!--Optional--> <parkOrbit>true</parkOrbit> <!--Optional--> <permission>true</permission> </con:ResetServices> </soapenv:Body> </soapenv:Envelope>
<b>Response</b>	N/A