Digital Access Extension Programming Interfaces (XPI)

Smart ID Digital Access component offers the following extension Programming Interfaces (XPIs):

This article is valid for Digital Access 6.0.4 and later.

Digital Access XPI REST API

See the full documentation in Digital Access XPI REST API.

Digital Access XPI Web Services

See the full documentation here.

Use XPI service via SOAP UI tool

Expand/Collapse All

Related information

- Add user account in Digital Access
- Add user group in Digital Access
- Add user storage in Digital Access
- User linking in Digital Access
- User storage in Digital Access

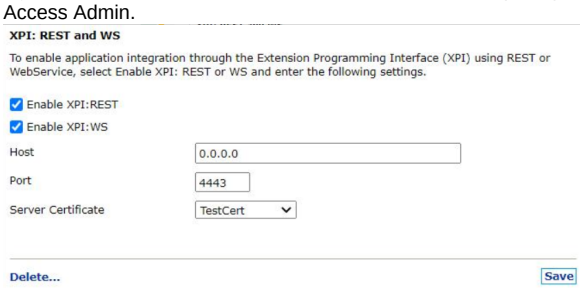
Example files

- Authenticate.xml
- add user.xml

Prerequisites

Integration through the Extension Programming Interface (XPI) must be enabled:

1. In Digital Access Admin, go to **Manage System**.
2. Click a registered Policy Service to edit it.
3. Select **Enable XPI: REST** or **Enable XPI: WS**.
4. If you want to enable the XPI and SOAP services, the expose port ID should be 0.0.0.0 in Digital Access Admin.

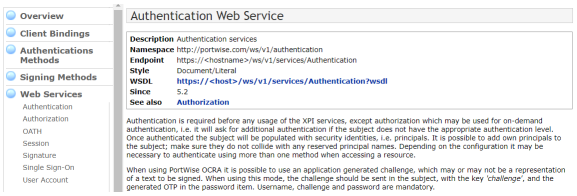


5. Delegate the admin privileges to a User storage user or a Local user:
    a. Go to **Manage system > Delegated Management > Super Administrator >Add Administrator,** read more here: Create administrative roles in Digital Access.
6. **For XPI logging as a *Local user*:**
    a. Add a user and enable auth mech.
7. **For XPI logging as a *User storage user*:**
    a. Enable auto linking:
        i. Go to **Manage Accounts and Storage > Global User Account Settings**.
        ii. On the **User Linking** tab:
            - under **General Settings**, select **Enable PortWise Authentication when automatically linking the user**.
            - under **PortWise Password**, select **Use password from User storage**.

Step-by-step instruction

Get WSDL in soap UI

1. Get Web Service Description Language (WSDL) in soap UI from https://da-admin1.test.nexusgroup.com:4443/ws/v4/index.html
2. Choose the services from the navigation menu. Select and read the detailed information for each service.



Set up soap request

1. Authentication is required before any usage of the XPI services - import authentication wsdl in request editor:

WSDL	https://da-admin1.test.nexusgroup.com:4443/ws/v1/services/Authentication?wsdl

2. Send a request with inputs in subject:

```
<subject>
<country>?</country>
<credentials>
<key>username</key>
<value>YTE=</value> – username with base64 encoded value
</credentials>
<credentials>
<key>password</key>
<value>bmV4dXNAMTIz</value> – Password with base64 encoded value
</credentials>
</subject>
```

See this example: Authenticate.xml

   a. A valid response has Session, use it in the following request:

```
<principals>
<key>session</key>
<value>OXg5eWYyM2QxcHRz</value>
</principals>
```

3. Select an admin privileged task, such as a User Account operation.
   a. To get end point service, choose the service from https://da-admin1.test.nexusgroup.com:4443/ws/v4/services/UserAccount?wsdl and import wsdl.
      i. This is an example of adding a user account:

```
<user:add>
<subject>
<principals>
<key>session</key>
<value>OXg5eWYyM2QxcHRz</value> -> provide session
value from authentication response
</principals>
</subject>
<account>
<enabled>true</enabled>
<displayName>user1</displayName>
<emailAddress>user1@gmail.com</emailAddress>

<globalAccess>
<locked>false</locked>
<maxRetries>10</maxRetries> - constants
<numRetries>0</numRetries> -constants
</globalAccess>
<userName>user1</userName>
<validFrom>1586975400000</validFrom>  date in this
format
<validTo>0</validTo>
</account>
<linkToDirectory>false</linkToDirectory> - true is
want to link to AD
</user:add>
```

See this example: add user.xml