Testing Polaris API Services

# Polaris Developer Network Sandbox Servers

The PAPI Test Tool may be used both for development purposes as well as testing the availability of the PAPI RESTful Web Service. The latest version of the PAPI Test Tool may be found on the Polaris Developer Network.

 <http://developer.polarislibrary.com>

You may use the Polaris sandbox servers to initially test the API service. This will allow you to familiarize yourself with the PAPI Test Tool in a known working environment.

The current sandbox servers are:

neutron.polarislibrary.com

orion.polarislibrary.com

plato.polarislibrary.com

Use the PAPI User information provided by Polaris Support to connect to the service:

 Example Data:

Access ID: polarisdev

Access Key: 1F3AAD35-ABA6-4D5E-9772-1D0A6CC7CD21

Depending on the PAPI Service’s *AuthenticationLevel* setting in *web.config*, you may need to create a hash value for all PAPI calls.

 <!-- Determines what methods require authentication -->

 <!-- ALL - Require authentication for all API calls (default) -->

 <!-- PATRON - Require authentication for Patron related API calls -->

 <!-- NONE - Authentication is not required (debug purposes only) -->

 <add key="AuthenticationLevel" value="ALL"/>

By default, in 4.0, the *AuthenticationLevel* is set to *ALL*.

# Retrieving Bibliographic Data

A simple test to verify the PAPI Service is responding is to use the *BibGet* method while *AuthenticationLevel* is set to NONE or PATRON. This will eliminate the need to build a hash value.

Step 1) **Enter** *External URL*

<http://orion.polarislibrary.com/PAPIService/REST/public/v1/1033/100/1/bib/604836>

Step 2) Select GET *HTTP Method*

Step 3) Uncheck *Authentication Required*

Step 4) Click *Execute Request*



# Retrieving Patron Data

Retrieving patron data in a secure environment will require using the PAPI Service’s authentication mechanism. To verify the PAPI Service is responding to patron data requests, use the *PatronBasicDataGet* method while *AuthenticationLevel* is set to ALL or PATRON. This will require the need to build a hash value.

Step 1) **Enter** *External URL*

<http://orion.polarislibrary.com/PAPIService/REST/public/v1/1033/100/1/patron/21756003332022/basicdata>

Step 2) Enter the *Internal URL* if the IIS web server uses a different network name inside the library’s network. This is not required if *ExternalHostname* override set in *web.config* in 4.0.492 and later.

Step 3) Select GET *HTTP Method*

Step 4) Enter *PAPI Access Key*

Step 5) Verify *Authentication Required* is checked

Step 6) Click the Update *HTTP Date* button

Step 7) Enter *Password* (patron’s password)

Step 8) Click *Calculate Hash*

Step 9) Enter *PAPI Access ID*

Step 10) Click *Execute Request*



# Examining Results

**Success:**



**Possible authentication data mismatch (also 401):**



Resolution

- Check patron/item barcode values in URL

- Is Internal URL required?

- Check PAPI Access ID

- Is the HTTP Date within a few minutes of the current time?

- Check the password/secret

- Did you create the hash value?

- Check the PAPI Access ID

**Bad URL:**

 

 

 Resolution

 - Check URL

**Incorrect HTTP Method:**

 

 Resolution

 - Check HTTP Method