

API Testing Guide

To test the APIs mentioned in the QuickStart Guide, the participants can use different tools to try out the request to those APIs. Mentionable tools are cURL (<https://curl.se/>), postman (<https://www.postman.com/>), HTTPie (<https://httpie.io/>), HttpRepl (<https://github.com/dotnet/HttpRepl>) etc.

Most of these tools are supported in most of the OS. So, if any participant is using Linux or Windows or any other OS, such tools will come handy in case of testing the APIs.

As an example, if any participant is using Windows, postman can be an option to test the APIs.

The process would be –

1. Download Postman from this link:
<https://www.postman.com/downloads/>
2. Install Postman on the PIM server.
3. Open the Postman software after getting installed.
4. Follow the request sending process from the following link:
<https://learning.postman.com/docs/sending-requests/requests/>
5. Use ICP URL in URL and use the sample Request Body provided in the QuickStart guide in Request Body after escaping the xml and type as JSON (for now only), and press SEND.
6. Check out the response for the invoked API and you are done.

Similarly, another example can be, if any participant is using Red Hat Linux, postman can be an option to test the APIs there too.

1. Install Postman after enabling snap in RHEL (one way of installing Postman, there are other ways as well):
<https://snapcraft.io/install/postman/rhel>
2. Run postman after installation.
3. Use ICP URL in URL and use the sample Request Body provided in the QuickStart guide in Request Body to send the request. Also, you can use the curl command you get in Swagger of ICP APIs.
4. Check out the response for the invoked API and you are done.

Again, if you want to test with cURL, you can do the following:

1. Set the URL as cURL opt, i.e. `curl_setopt($ch, CURLOPT_URL, $url);`
2. Set the XML data opt, i.e. `url_setopt($ch, CURLOPT_POSTFIELDS, $xmldata);`
3. Set other necessary params as required,

4. Lastly execute cURL to view the result, i.e. `$result = curl_exec($ch);` and you are done.

These are some examples only of different tools; you can use any tool that is convenient to the OS you are using.

Thanks for being with IDTP!

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