PingFederate®

REST Password Credential Validator 1.0

User Guide

PingFederate

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Note that Ping Identity may not provide support for any sample configurations provided in this document. The variability inherent among security environments prevents full testing and support for all possible platform configurations. If you need special assistance or would like to inquire about implementation or support programs, please contact Ping Identity Global Client Services (support.pingidentity.com).

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August, 2015

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Introduction

The PingFederate REST Password Credential Validator makes REST based web service calls to authenticate a user and get additional information about that user. The input to the PCV needs to be JSON in the username field. The password field is ignored.

System Requirements

This version of the adapter requires the following:

- PingFederate 7.3.0.5 (or higher)
- JDK 1.7.0_51 or higher

Installation

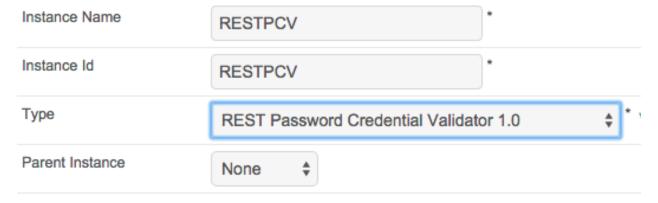
1. From the /dist directory in the ZIP file, copy the following file to the <pf install>/pingfederate/server/default/deploy directory:

```
json-simple-1.1.1.jar
pf-rest-password-credential-validator-1.0.jar
```

2. Start or restart PingFederate.

Configuring an REST PCV Instance

- 1. Log on to the PingFederate administrative console and click **Password Credential Validators** under Server Configuration -> Authentication.
- 2. Select Create New Instance...
- 3. Select **REST Password Credential Validator 1.0.0** as the adapter type, fill in the Instance Name and Instance Id fields and click **Next**.



4. Specify all the required fields.



- 5. Click Next.
- 6. Click PSEUDONYM for userid and click Next.
- 7. Review the configuration and select **Done** and finally **Save**.

8. Wherever this PCV is used the contract needs to be extended using "flattened" names from the JSON response. For example, if the response from the REST service looks like:

```
-response: {
    userid: "jdoe"
   -clientReturnHeader: {
       returnCode: "01022"
       returnMessage: "Out Of Band verification requ
       returnStatus: "W"
    }
   -account: {
      -mosaicRewards: {
          currencyType:
          currentTotalPointsAvailable: 0
       }
       pendingTransactionLoadSuccess: true
       pendingTransactionTotal: 0
       postedTransactionLoadSuccess: true
      -profile: {
          firstName: "John"
          lastName: "Doe"
         -email: {
             bounceCode: "V"
             bounceType: ""
             email: "john.doe@example.com"
          }
         -phoneList: [1]
```

You can extend your contract with response.userid and response.account.profile.email.email. Here is an example in an HTML Form Adapter configuration:

ACTION

EXTEND THE CONTRACT	ACTION
response.account.profile.email.email	Edit / Delete
response.account.profile.firstName	Edit / Delete
response.account.profile.lastName	Edit / Delete
response.clientReturnHeader.returnCode	Edit / Delete
response.clientReturnHeader.returnMessage	Edit / Delete
response.clientReturnHeader.returnStatus	Edit / Delete
response.userid	Edit / Delete

Debugging

To set the log level for this adapter (what appears in server.log) one would update the following file:

<PingFederateInstall>/server/default/conf/log4j.xml

EXTEND THE CONTRACT

And add the following entry into

</logger>

Detailed training on using Log4j in Ping Federate can be found at:

 ${\color{blue} \bullet \quad \underline{https://www.pingidentity.com/support/training-center/index.cfm/configuring-log-files-using-log4j?id=1080675847001} \\$