Ping Identity™

PingFederate®

Absorb Password Credential Validator v1.0.0

User Guide



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PingFederate Absorb Password Credential Validator User Guide Version 1.0.0 January 2018

Ping Identity Corporation 1001 17th Street, Suite 100 Denver, CO 80202 USA

Phone: 877.898.2905 (+1 303.468.2882 outside North America)

Fax: 303.468.2909 E-mail: info@pingidentity.com

Web Site: http://www.pingidentity.com

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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 (http://support.pingidentity.com).

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Purpose

This user guide is intended for use by PingFederate clients, who would like the ability to leverage a password credential validator that can validate credentials via a web service call against the Absorb RESTful API.

Prerequisites

This document assumes that you already have the following installed and configured:

- A functional PingFederate environment, version 8.3+
- JDK version 8+
- At least one IdP adapter for use as the primary form of authentication (i.e., HTML Form IdP Adapter), so that it can be configured to leverage the Absorb Password Credential Validator (PCV)
- At least one SP connection that can be configured with that IdP adapter as a primary form of authentication

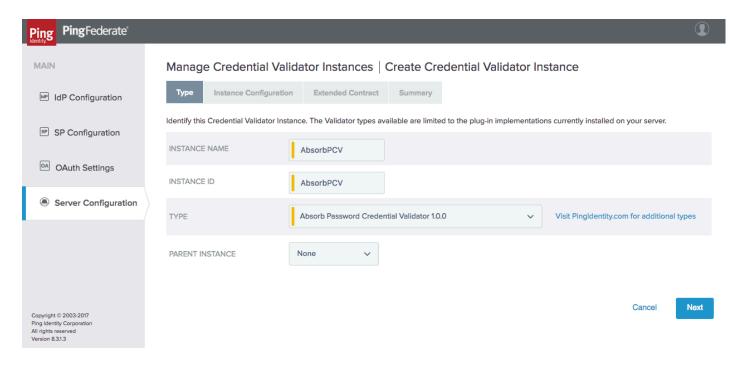
Installation

- 1. From the /dist folder in *pf-absorb-password-credential-validator-1.0.0.zip*, copy the noted file to the following directory in your PingFederate:
 - <PingFederateInstall>/pingfederate/server/default/deploy/
 - o pf-absorb-password-credential-validator-1.0.0.jar
- 2. Repeat step 1 on other clustered engine nodes.
- 3. Start or restart PingFederate.

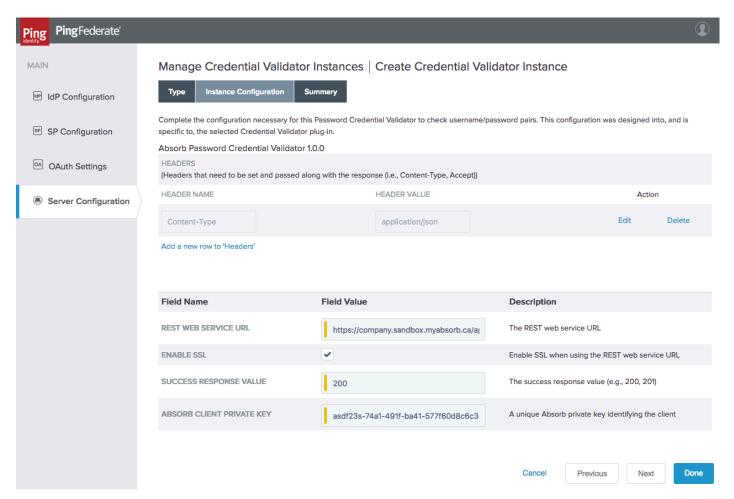
Configuration

Configuring the Absorb Password Credential Validator

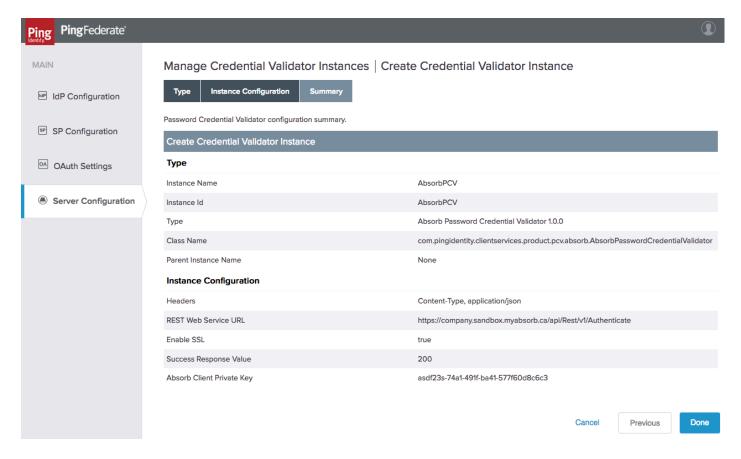
- 1. Log into the PingFederate admin console and click **Password Credential Validators** under **Server Configuration** >> **Authentication**.
- 2. Click Create New Instance...
- 3. Enter the Instance Name, Instance Id, choose Absorb Password Credential Validator 1.0.0, and click Next.



4. Enter the required information, and click **Next**.



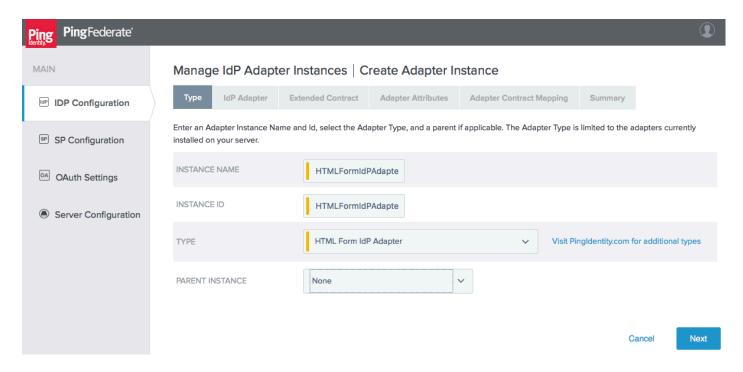
5. Review the configuration on the summary page, and click **Done**.



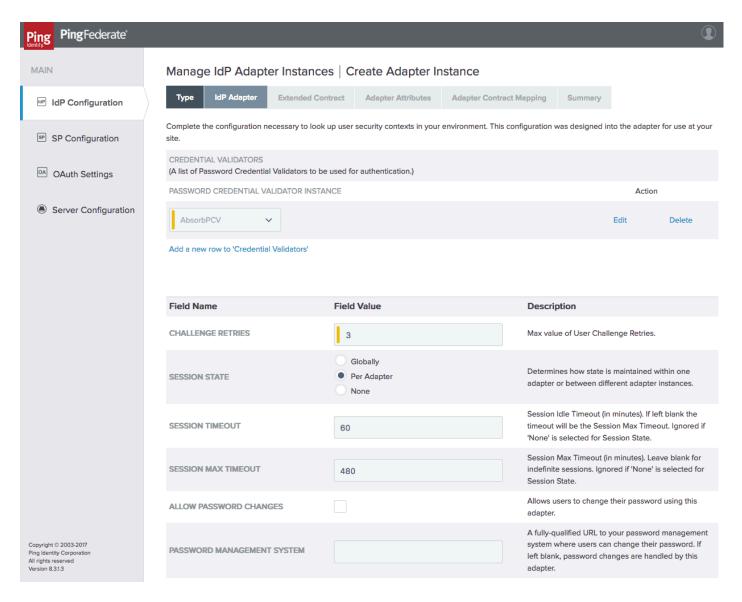
6. Click Save.

Configuring an IdP Adapter to Leverage the Absorb Password Credential Validator

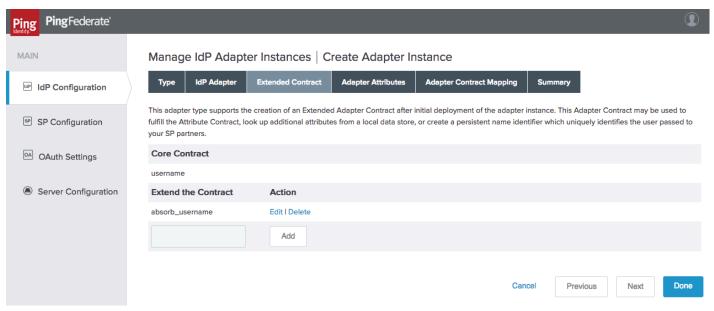
- 1. Click Adapters under IdP Configuration >> Application Integration Settings.
- 2. Click Create New Instance...
- Enter the Instance Name and Instance Id, choose the adapter type (e.g., HTML Form IdP Adapter), and click Next.



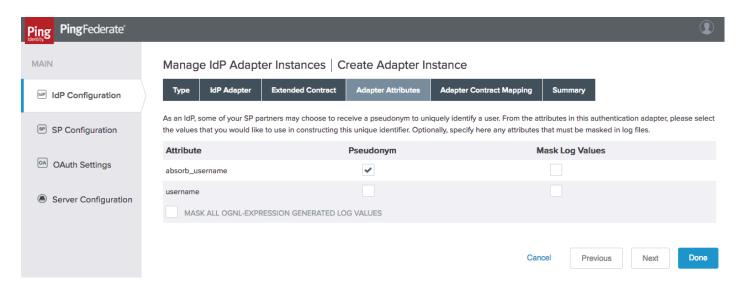
- 4. Click Add a new row to 'Credential Validators.'
- 5. Select the Absorb Password Credential Validator created, and click **Update** (should change to **Edit** after updated).



- 6. Modify the other configuration parameters on that page if needed, and click **Next**.
- 7. Extend the contract by adding absorb_username, and click Next.

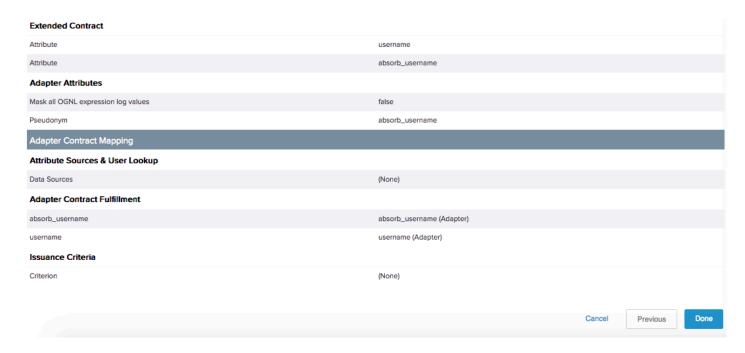


8. Unselect the **username Pseudonym**, select the **absorb_username Pseudonym**, and click **Next**.



- 9. Click Next.
- 10. Review the configuration on the summary page, and click **Done**.

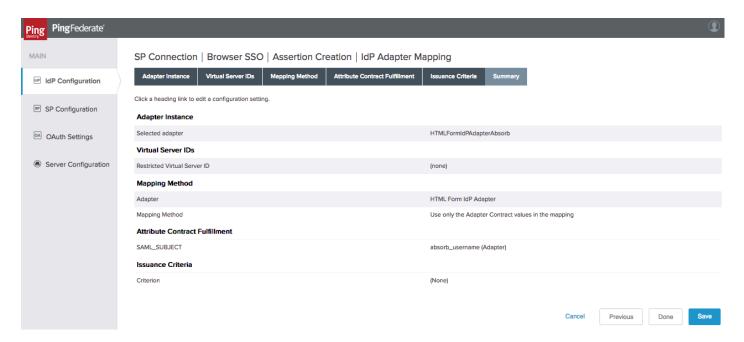
Create Adapter Instance	
Туре	
Instance Name	HTMLFormIdPAdapterAbsorb
Instance Id	HTMLFormIdPAdapterAbsorb
Туре	HTML Form IdP Adapter
Class Name	com.pingidentity.adapters.htmlform.idp.HtmlFormldpAuthnAdapter
Parent Instance Name	None
IdP Adapter	
Credential Validators	AbsorbPCV
Challenge Retries	3
Session State	Per Adapter
Session Timeout	60
Session Max Timeout	480
Allow Password Changes	false
Password Management System	
Enable 'Remember My Username'	false
Change Password Email Notification	false
Show Password Expiring Warning	false
Password Reset Type	None
Login Template	html.form.login.template.html
Logout Path	
Logout Redirect	
Logout Template	idp.logout.success.page.template.html
Change Password Template	html.form.change.password.template.html
Change Password Message Template	html.form.message.template.html
Password Management System Message Template	html.form.message.template.html
Change Password Email Template	message-template-end-user-password-change.html
Expiring Password Warning Template	html.form.password.expiring.notification.template.html
Threshold for Expiring Password Warning	7
Snooze Interval for Expiring Password Warning	24
Login Challenge Template	html.form.login.challenge.template.html
'Remember My Username' Lifetime	30
Allow Username Edits During Chaining	false
Track Authentication Time	true
Post-Password Change Re-Authentication Delay	0
Password Reset Username Template	forgot-password.html
Password Reset Code Template	forgot-password-resume.html
Password Reset Template	forgot-password-change.html
Password Reset Error Template	forgot-password-error.html
Password Reset Success Template	forgot-password-success.html
OTP Length	8
OTP Time to Live	40
	10



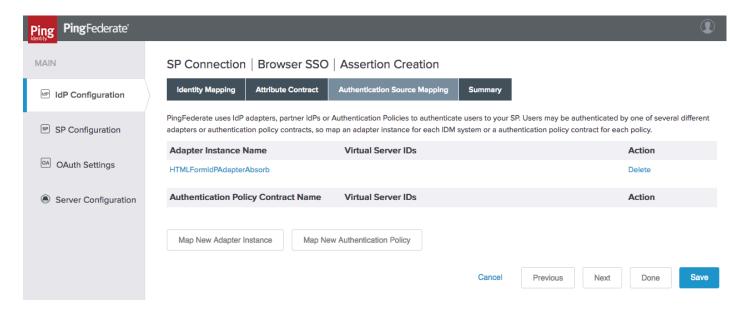
11. Click Save.

Configuring the SP Connection to Leverage the Absorb PCV-integrated Adapter

- 1. Click the SP connection to be modified or create a new SP connection, which should be located under IdP Configuration >> SP Connections.
- 2. Click Authentication Source Mapping and click Map New Adapter Instance.
- Choose the adapter that was configured with the Absorb Password Credential Validator, and click Next.
- 4. Go through the rest of the configuration process. Make sure that the **SAML_SUBJECT** (or whichever attribute is chosen) is mapped to **absorb username**.
- 5. Review the configuration on the summary page, and click **Done**.



6. Review the **Authentication Source Mapping**, and click **Done**.

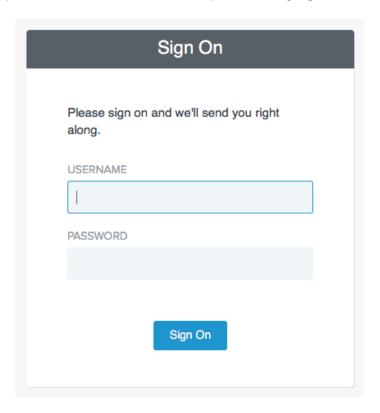


- 7. Click Done.
- 8. Click Save.

Testing

Primary Test Case

1. Open a browser and go to the IdP login form chosen as the primary form of authentication. In this example, the HTML Form IdP Adapter leveraging the Absorb PCV was chosen.



2. Log in using the test credentials.

<u>Results</u>: If authorized into the target destination, authentication was a success. This means that the user authenticated successfully against the web service (verify by logs for details- ensure that DEBUG is enabled).

Other Test Cases

1. Log in with invalid credentials.

Logging

To enable various logging modes for the Absorb Password Credential Validator, add the following in the relevant sections in <PingFederateInstall>/pingfederate/server/default/conf/log4j2.xml.

<Logger name="com.pingidentity.clientservices.product.pcv.absorb" level="[DEBUG | INFO | WARN | ERROR]" />

To enable logging for the Absorb Password Credential Validator in a separate file, add the following in the relevant sections in

<PingFederateInstall>/pingfederate/server/default/conf/log4j2.xml.

```
<RollingFile name="AbsorbPCV" fileName="${sys:pf.log.dir}/absorbpcv.log"
filePattern="${sys:pf.log.dir}/absorbpcv.%d{yyyy-MM-dd}.log"
ignoreExceptions="false">
      <PatternLayout>
             <!-- Uncomment this if you want to use UTF-8 encoding instead of system's
             default encoding.
             <charset>UTF-8</charset> -->
             <pattern>%d %m%n</pattern>
      </PatternLavout>
      <Policies>
             <TimeBasedTriggeringPolicy />
      </Policies>
</RollingFile>
<Logger name="com.pingidentity.clientservices.product.pcv.absorb"</p>
level="[ DEBUG | INFO | WARN | ERROR ]" additivity="false" includeLocation="true"/>
      <appender-ref ref="AbsorbPCV" />
</Logger>
```

Detailed training on using Log4j in PingFederate can be found at: https://ping.force.com/Support/PingIdentityKnbSearchHome?searchText=log4j