PingIdentity™

PINGID API FOR EPIC HYPERDRIVE EPCS 1.2.0

User Guide

PingID API for Epic Hyperdrive EPCS User Guide
Version 1.2.0
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1 PURPOSE

The PingID API for Epic Hyperdrive EPCS plugin is an integration for Epic Hyperdrive's EPCS module to allow multi-factor authentication via PingID.

2 PREREQUISITES

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

- A functional Epic EPCS Hyperdrive environment.
- Users must be provisioned in PingOne before using the plugin.
- A configured tenant in PingOne.
- Internet connectivity. If utilizing PingOne for authentication, any workstation intending to utilize the PingID device must have access to the internet.

3 EXPORTING PINGID.PROPERTIES FILE

In order to connect to PingID, the PingID device needs certain connection information obtained from the `pingid.properties` file. You may download this file by executing the following instructions:

1. Sign into your PingOne tenant at: https://admin.pingone.com/web-portal/
2. Click on the `Setup` category in the top navigation.
3. Click on the `PingID` tab.
4. Click on the `Client Integration` tab.
5. Under the section entitled `Integrate with PingFederate and Other Clients` click the `Download` button.

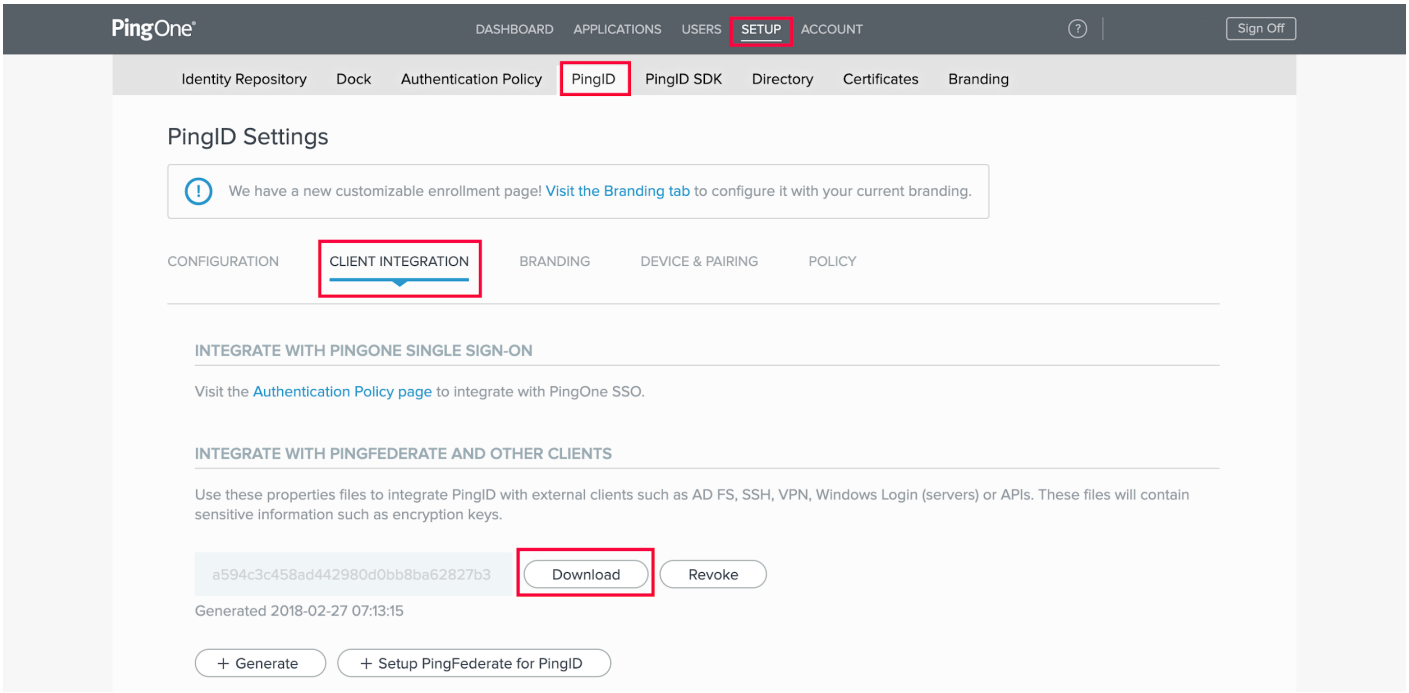

Figure 1- Exporting `pingid.properties` file

4 INSTALLATION

Installing the PingID for Epic Hyperdrive EPCS plugin involves executing the installation file `PingIDApiforEpicEPCS-1.2.0.exe`. The following steps show a sample installation.

- Click the `Browse` button an select your organization's `pingid.properties` file and click the Next button.

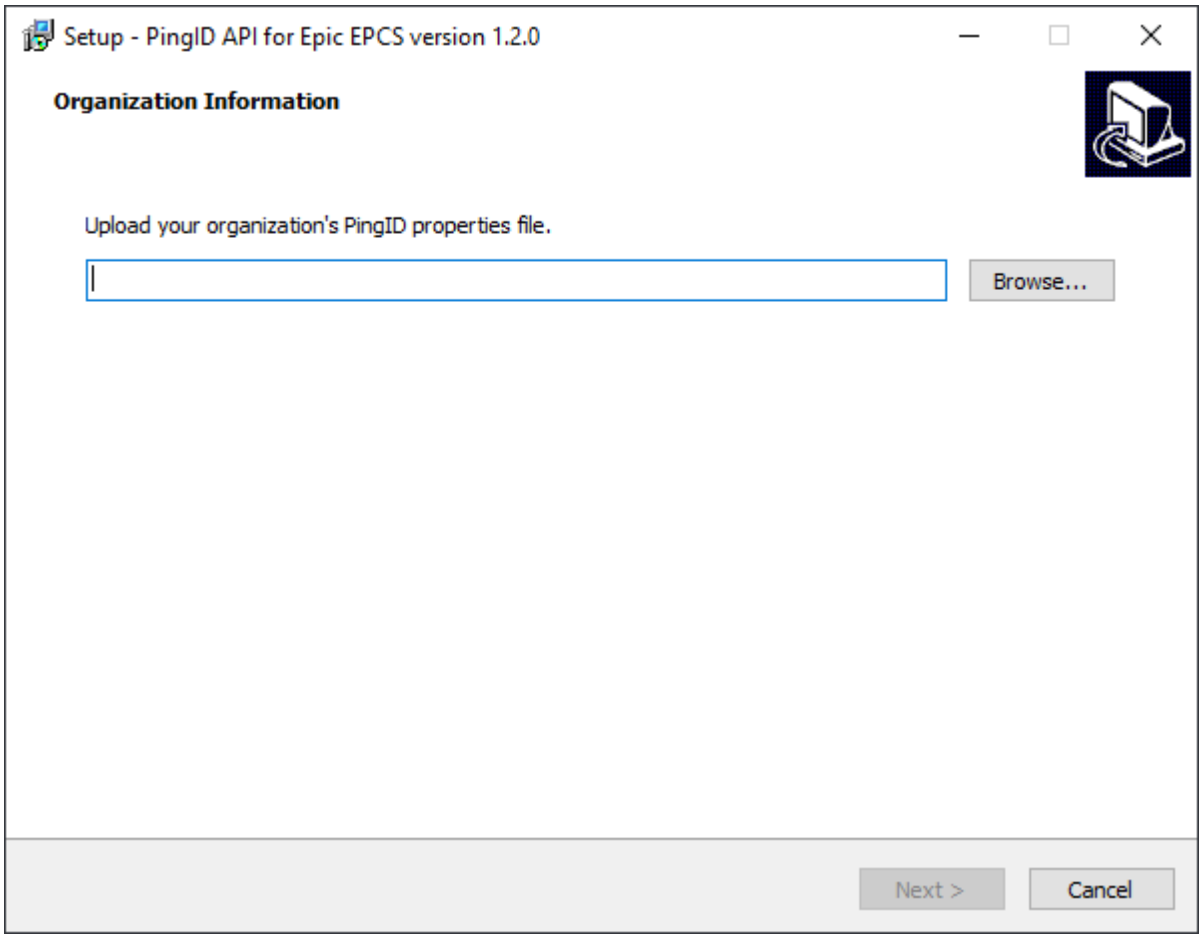

Figure 2-Enter organization information

- Enter the Subject of your signing certificate and click the `Next` button.

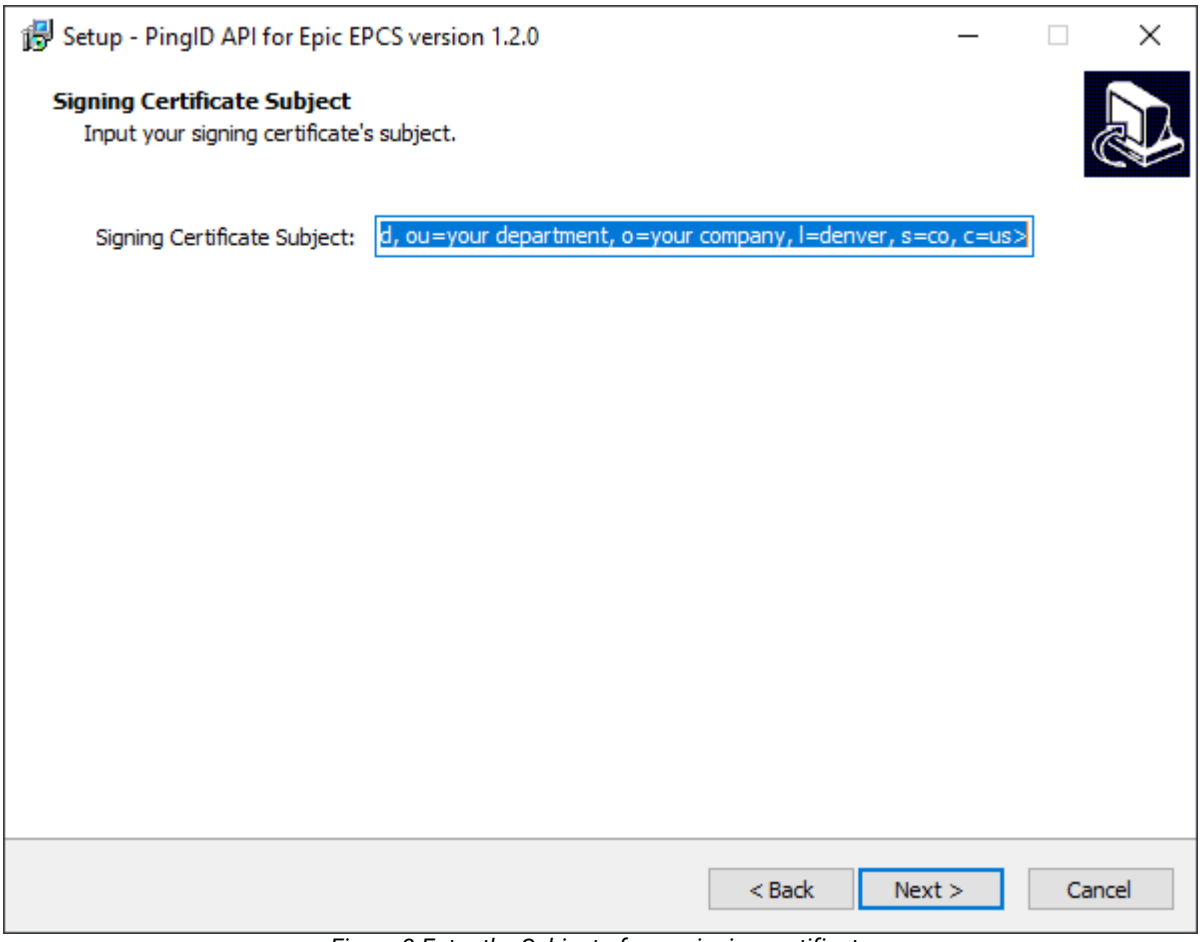

Figure 3-Enter the Subject of your signing certificate

- Select the installation location for the plugin files and click the `Next` button.

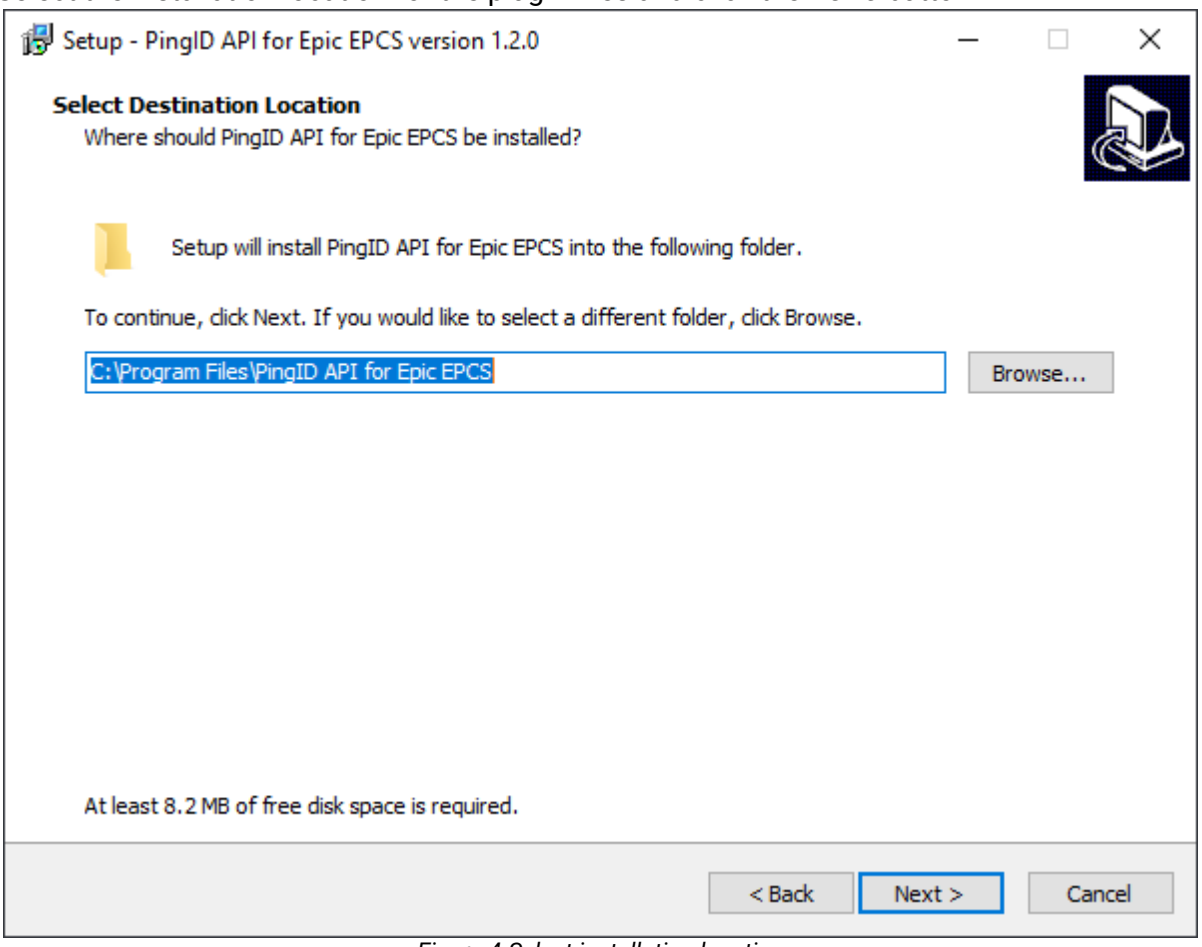

Figure 4-Select installation location

- Validate the installation summary and click the `Install` button.

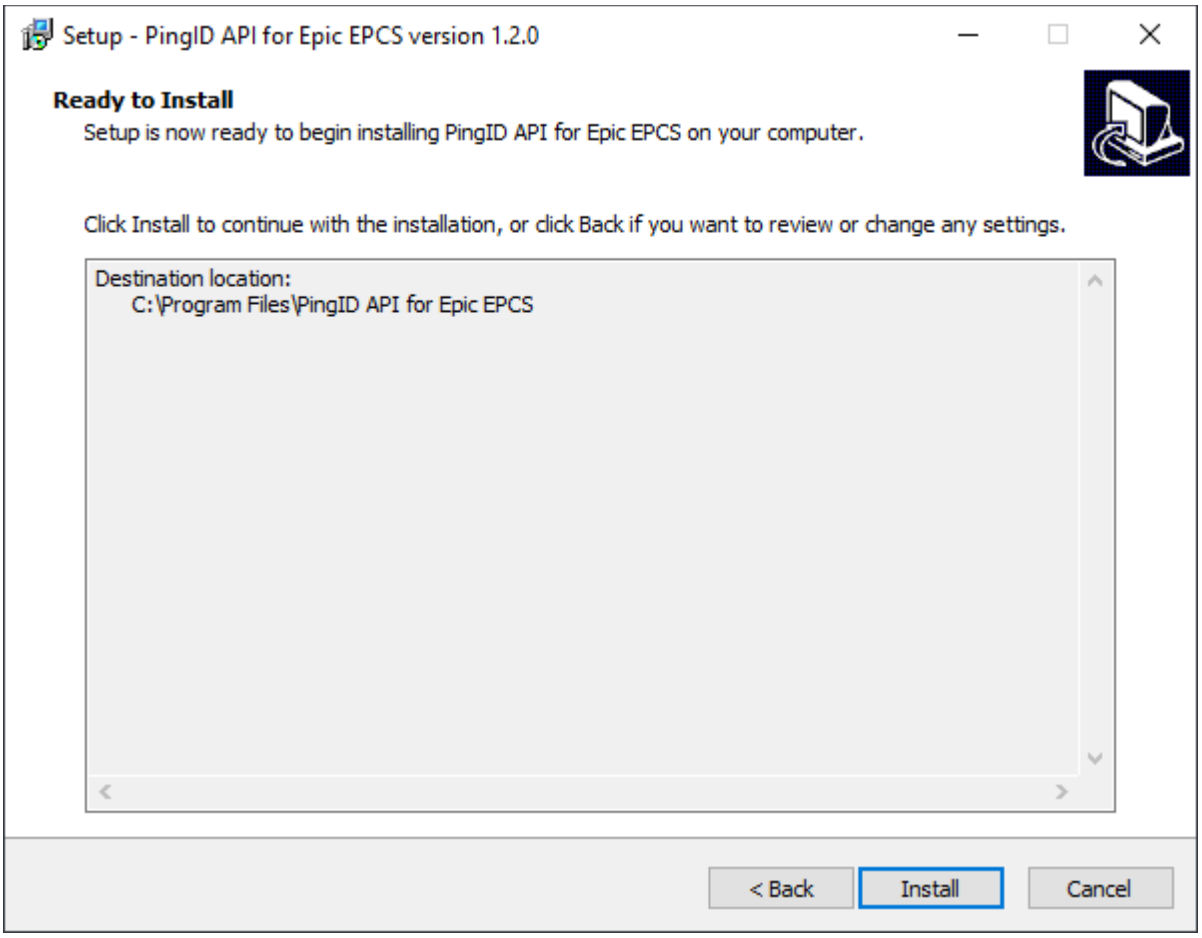

Figure 5-Validate installation summary

- Once complete you will be presented with the completion screen. Click the `Finish` button to exit the installation.

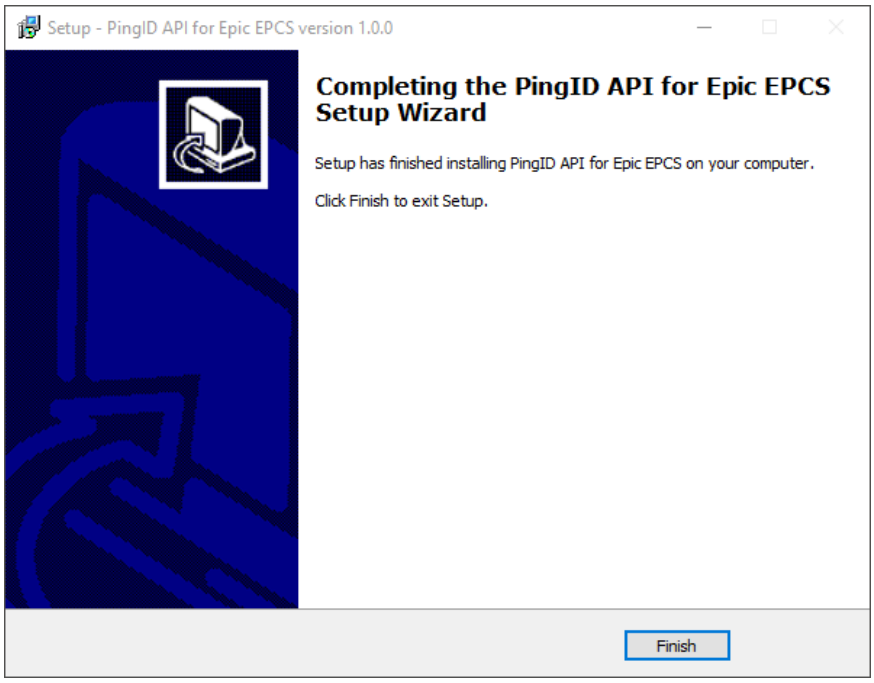

Figure 6-Installation completion

5 USAGE

The following is an example of using the plugin for multi-factor authentication.

- After initiating an EPCS within Hyperdrive the plugin will open a window allowing the user to choose their method of MFA.

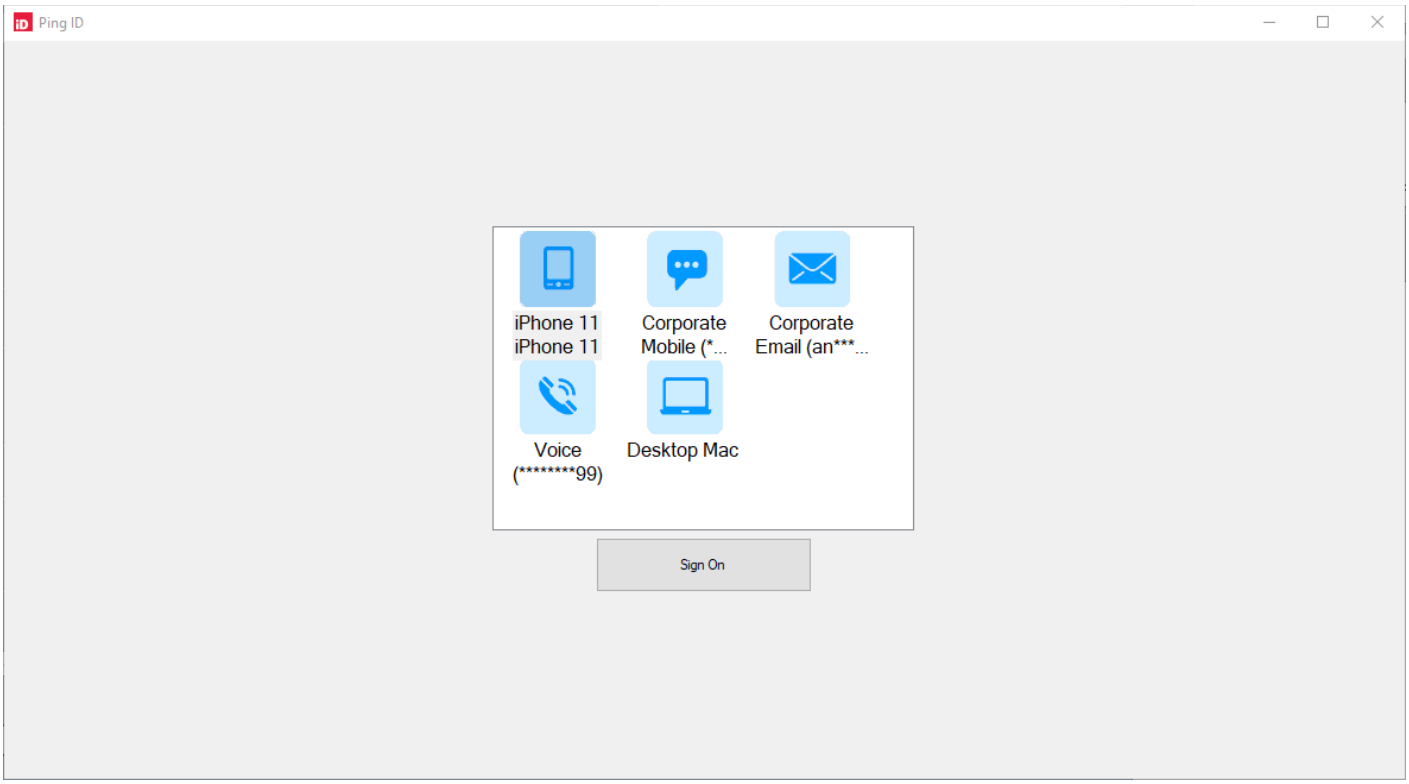

Figure 7-Change authenticating device

- The following is an example of using an SMS OTP device

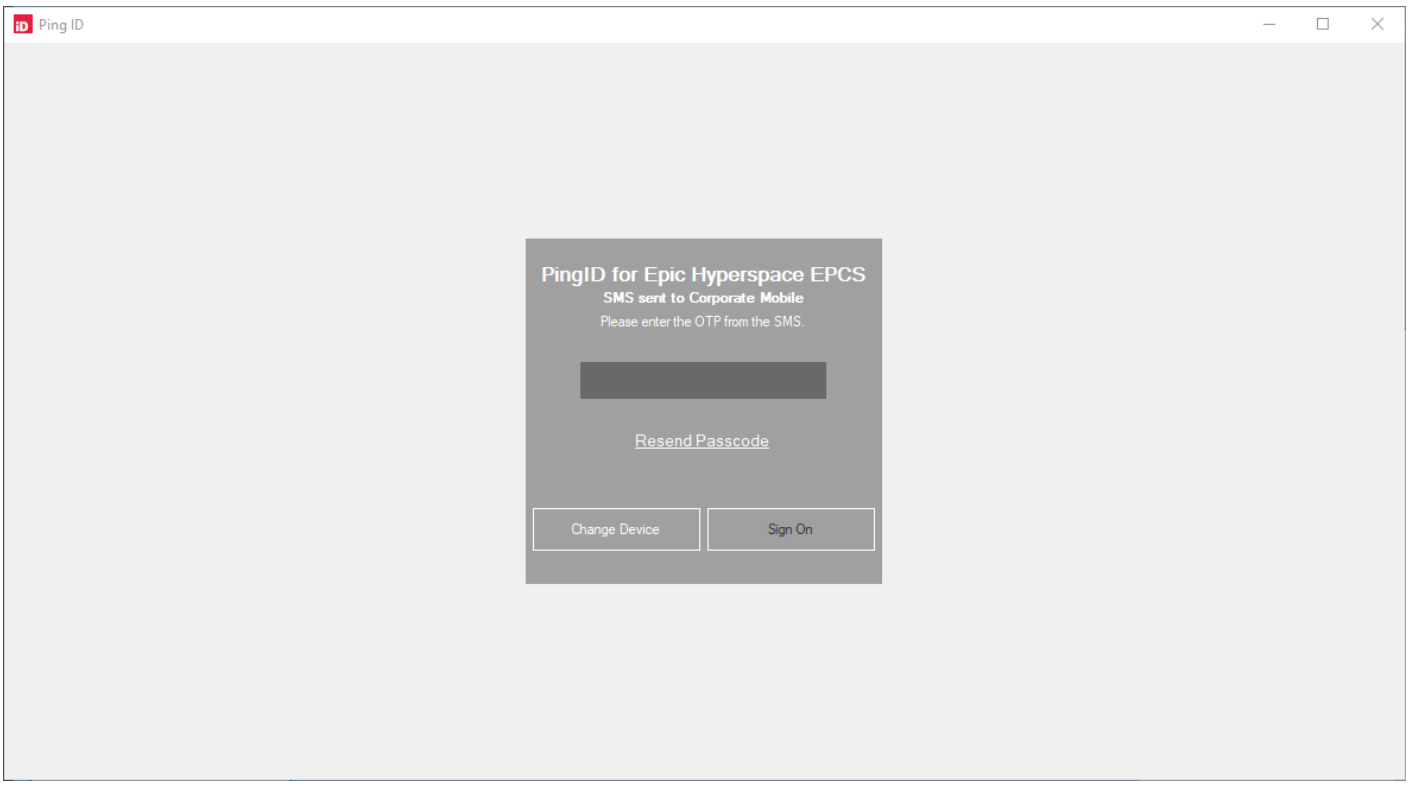

Figure 8-Authentication via SMS OTP

- The following is an example of using the PingID mobile application for authentication

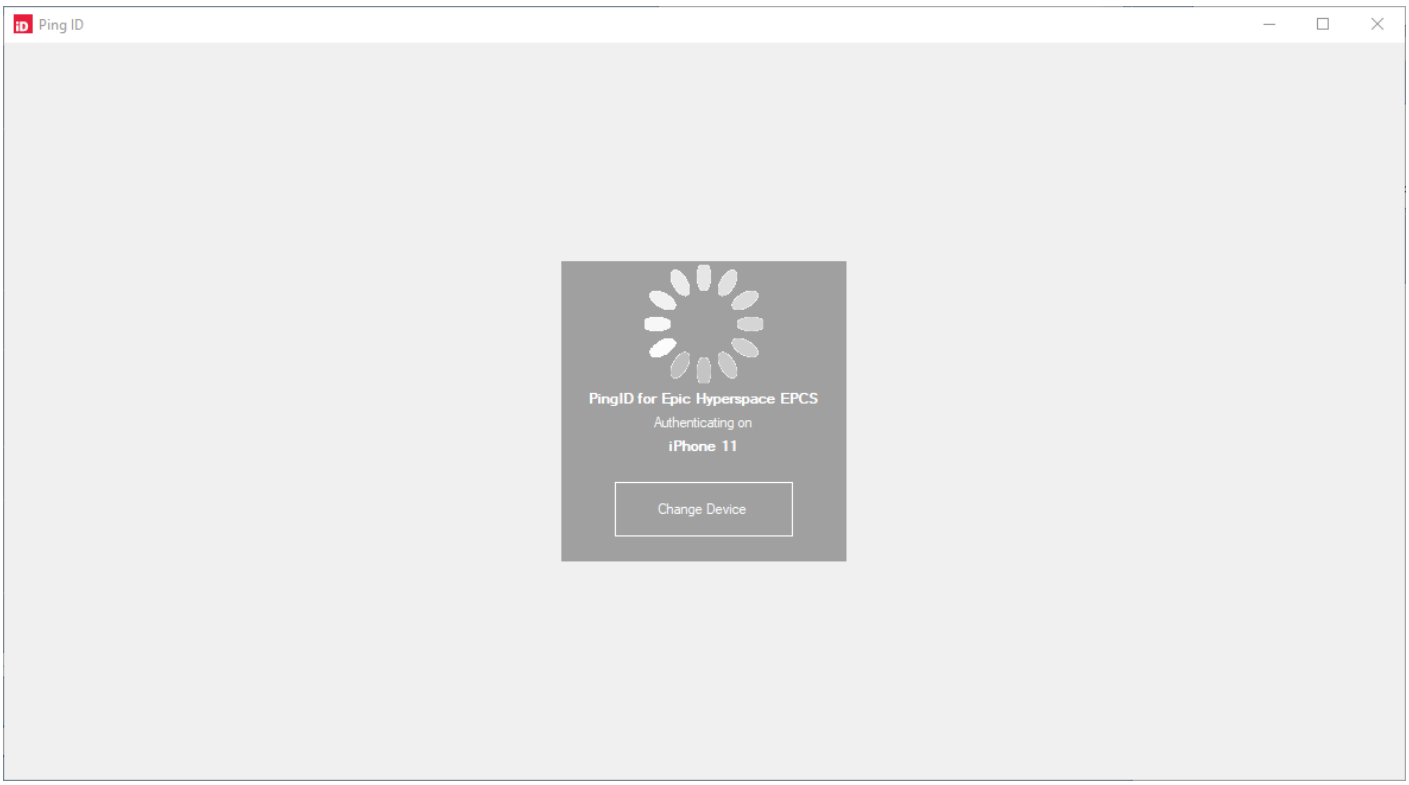

Figure 9-Authentication via PingID mobile application

6 EPIC CONFIGURATION VALUES

When configuring Epic Hyperdrive to utilize the PingID device, the ProgID is `PingIdApiDevice.PingIdApiOtpDevice`.

When configuring Epic Hyperdrive to utilize the PingID Device, the SAML Issuer is `urn:pingidentity`.

7 LOGGING

7.1 INSTALLATION

If there are error during the installation you may take advantage of the built-in logging of the installer. Run the installer with the following:

```
PingIDApiforEpicEPCS-1.2.0.exe /log=your-log.log
```

Review the log file to see if there are any obvious errors that can be addressed before running the installation again.

7.2 PINGID DEVICE LOGGING

Logging for the PingID device is accomplished through log4net. The `log4net.config` file in the installation folder controls the configuration.

```
<log4net>
  <root>
    <level value="NONE" />
    <appender-ref ref="file" />
  </root>
  <appender name="file" type="log4net.Appender.RollingFileAppender">
    <file type="log4net.Util.PatternString" value="%property{server}-%property{username}-pingid-api-for-
epic.log" />
    <appendToFile value="true" />
    <rollingStyle value="Size" />
    <maxSizeRollBackups value="5" />
    <maximumFileSize value="100MB" />
    <staticLogFileName value="true" />
    <layout type="log4net.Layout.PatternLayout">
      <conversionPattern value="%date %property{transactionId} %level %logger - %message%newline" />
    </layout>
  </appender>
</log4net>
```

If you want to enable logging, set the `level`'s value to `DEBUG` and restart Epic Hyperdrive. By default, logging will be written to a file called `<server>-<username>-pingid-api-for-epic.log` somewhere on your filesystem (depending on where Epic Hyperdrive is installed).

The plugin adds the following fields to the log4net context, allowing them to be logged:

- `server` – the name of the server that the plugin is running on.
- `username` – the username of the user running the plugin.
- `transactionId` – a GUID identifying the unique session with the plugin. The transaction ID is a unique GUID created when the plugin is invoked. Each invocation of the plugin will result in a different transaction ID.

You may find additional details and configuration examples at the project's website:

https://logging.apache.org/log4net/index.html