PingDirectory®

Time-based One-Time Password (TOTP) on Simple Bind Plugin
v1.0.0

User Guide

PingDirectory Time-based One-Time Password (TOTP) on Simple Bind Plugin User Guide
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Table of Contents

Purpose

The "Time-based One-Time Password (TOTP) on Simple Bind" Plugin allows PingDirectory to expect the password, provided in the bind request, to be immediately followed by the TOTP code.

Prerequisites

This document assumes that a functional PingDirectory, Version 6.*, has already been installed and configured.

Installation

1. Copy the included zip file to a temporary location on the server that is running PingDirectory.
2. Open a terminal window.
3. Change directories to the installation path of the target PingDirectory server.
4. Execute the "manage-extension" command in the bin directory of the installation path to install the zip file and follow any prompts to continue and restart the server:

   ```
   bin/manage-extension --install <path to the zip file>
   ```

5. Execute the "dsconfig" command in the bin directory of the installation path to configure the plugin and press "f" at the prompt to finish the configuration of the plugin:

   ```
   bin/dsconfig create-plugin \
     --plugin-name "TOTP on Simple Bind" \
     --type third-party \
     --set enabled:true \
     --set plugin-type:preoperationbind \
     --set extension-class:com.pingidentity.ps.ds.plugin.TOTPSimple \
     --set extension-argument:totp-length=6 \
     --set extension-argument:totp-is-last=true
   ```

   "totp-length" is an optional argument and specifies the length of the TOTP code. Default value is "6".

   "totp-is-last" is an optional argument and specifies whether the TOTP code is immediately after the password. Default value is "true".

6. *Optional*: To enable Server Extension debug messages, execute the following command:

   ```
   bin/dsconfig set-log-publisher-prop \
         --publisher-name "Server SDK Extension Debug Logger" \
         --set enabled:true
   ```

7. *Optional*: To delete the plugin, execute the following command:

   ```
   bin/dsconfig delete-plugin --plugin-name "TOTP on Simple Bind"
   ```