

SecureAuth Passcode for Windows v2.0

Introduction

Use this guide to install and provision the **SecureAuth Passcode for Windows** application ("Passcode") for Multi-Factor Authentication on Windows desktop clients.

SecureAuth Passcode is a Windows desktop application that generates six- or eight-digit one-time passcodes (OTPs) that rotate based on the configured interval (e.g. every 60 seconds). The code can be used as an authentication option when logging into a resource protected by SecureAuth IdP.

Users can enroll one or more accounts with Passcode that can generate unique OTPs and can be edited or deleted through the interface.

The Passcode application supports optional PIN protection, which requires a user to enter a personal PIN to view the OTP.

Refer to **SecureAuth Passcode for Windows** for the latest version of the document for this application

Prerequisites

1. Minimum System Requirements:

- **Operating System**
 - Microsoft Windows 7 (*32-bit or 64-bit*)
 - Microsoft Windows 8.1 (*32-bit or 64-bit*)
 - Microsoft Windows 10 (*32-bit or 64-bit*)
 - Microsoft Windows Server 2008 R2 (*32-bit or 64-bit*)
 - Microsoft Windows Server 2012
 - Microsoft Windows Server 2012 R2
- **Microsoft .NET**
 - Requires [Microsoft .NET Framework 4](#) or greater to be installed

2. Configure the **App Enrollment Realm / OATH Provisioning Realm** in the SecureAuth IdP Web Admin

- [SecureAuth IdP 9.0 Configuration Steps](#)
- [SecureAuth IdP 8.2 Configuration Steps](#)
- [SecureAuth IdP 8.1 Configuration Steps](#)
- [SecureAuth IdP 8.0 Configuration Steps](#)
- [SecureAuth IdP pre-8.0 Configuration Steps](#)

Passcode supports both **Single (OATH Seed)** and **Multi (OATH Token)** configurations for SecureAuth IdP versions 8.1+

Passcode supports **Roaming User Profiles** in Active Directory environments

When enabled, seed and PIN values are shared on all machines on which the Passcode application is installed. Any changes to seeds, PINs, and/or accounts are reflected on other machines once the Passcode application on the other machine is restarted.

Requirements:

- The **Passcode** application must be installed on each machine used by the roaming profile
- A **Roaming User Profile GPO** must be enabled in Active Directory; for more information see the Microsoft Technet article on [deploying Roaming Profiles](#)

Installation Steps

There are two methods of installing Passcode: **Wizard Install** and **Silent Install**

Follow the instructions of the preferred method *only*

Wizard Install



SecureAuth Passcode for Microsoft Windows

Description:

The SecureAuth OTP app generates one-time passwords on Windows for use in conjunction with SecureAuth IdP.

Version: 2.0

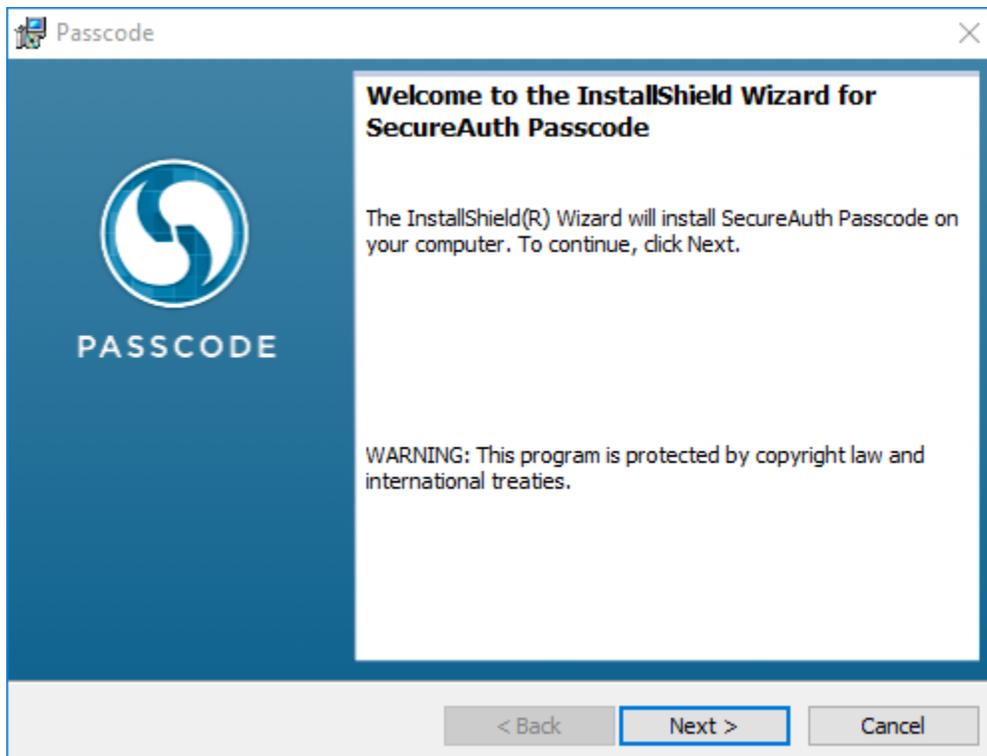
Size: 3.17 MB

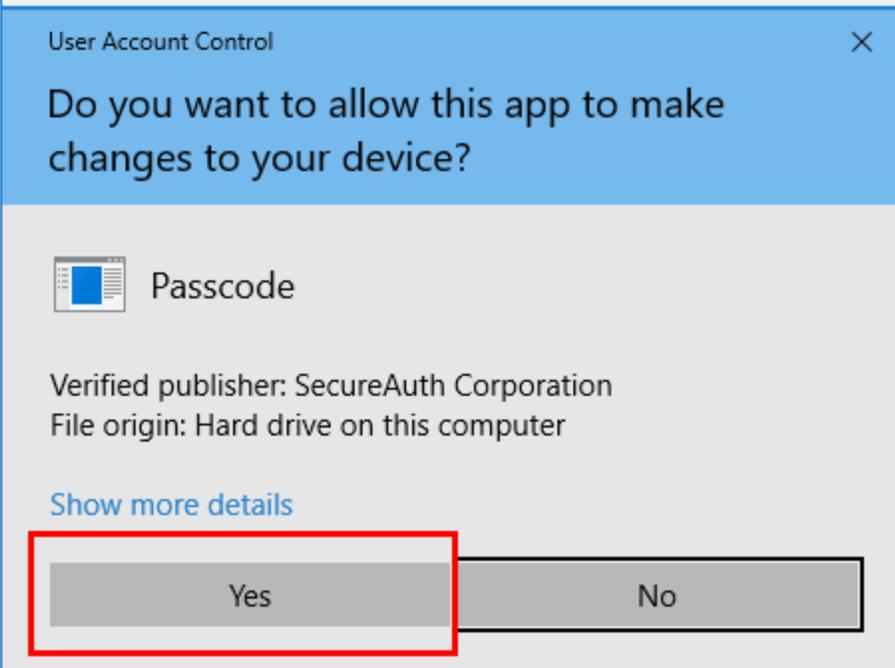
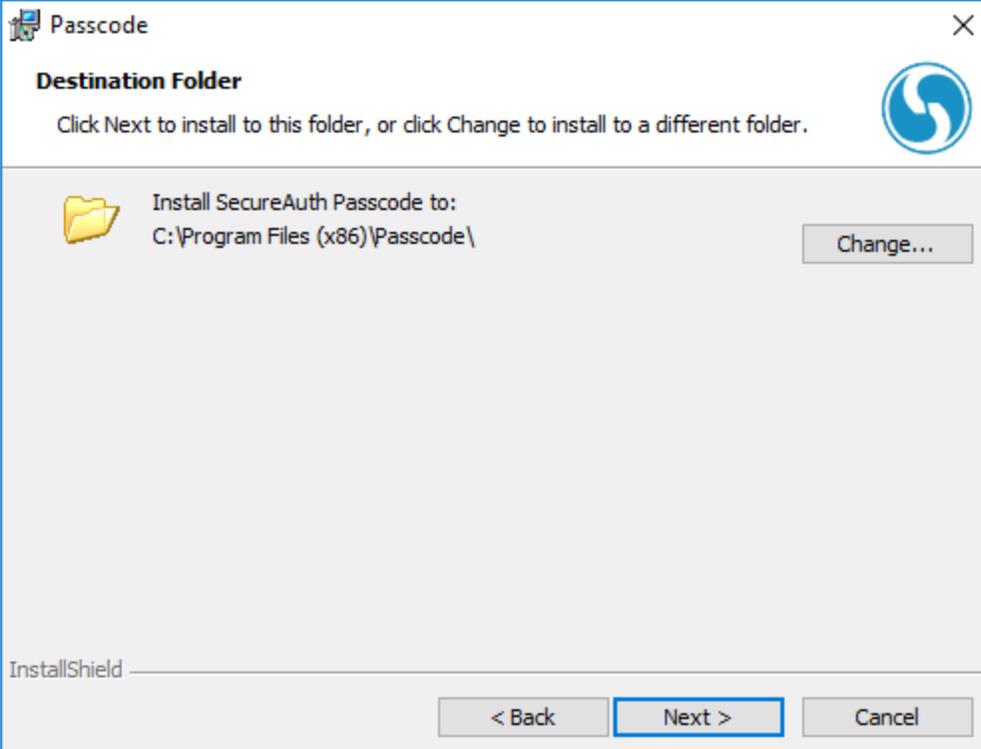
Release Date: November 01, 2016

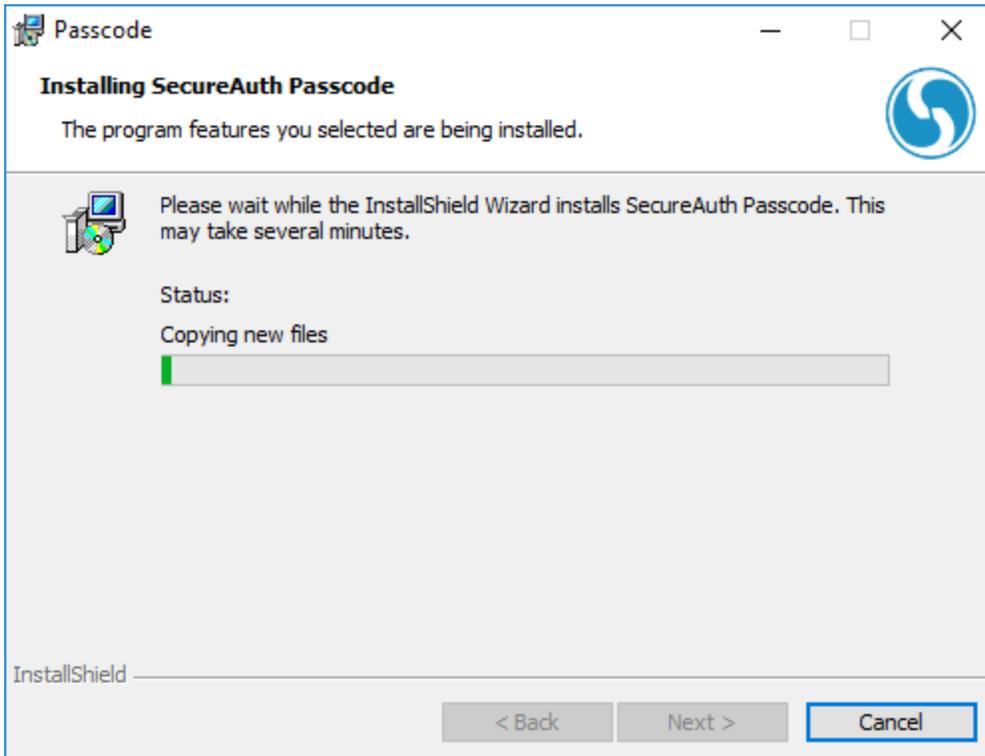
MD5: C997DBC4DC74E94216385608E67DA4D2

Download

1. Download the **Passcode** client application from the [SecureAuth Downloads](#) page
2. Open the **Passcode_2.0.msi** file

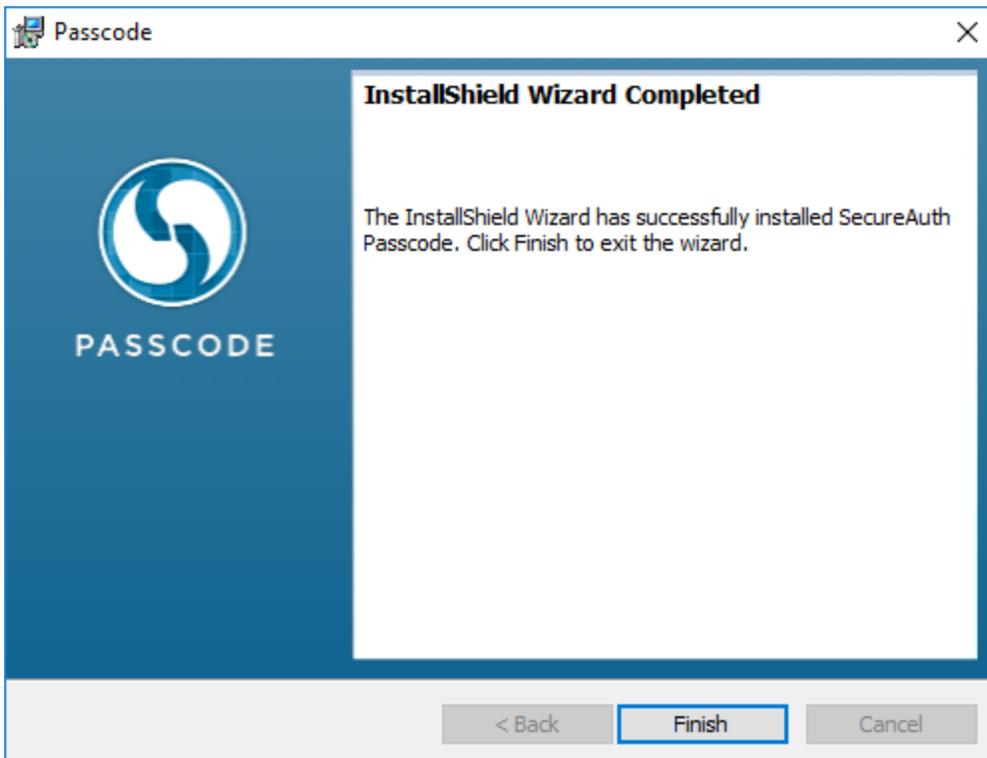






The InstallShield Wizard window opens

3. Click **Next** to continue
4. Review the current settings, then click **Next**
5. If a User Account Control (UAC) confirmation appears, then click **Yes** to begin the installation
6. Wait for the InstallShield Wizard to install the client application to the device



7. Click **Finish** once the installation is complete

Silent Install

Passcode supports a silent install option (no user interaction required) via the Windows Command Line Interface. To perform a silent install, follow these steps:

1. Download the **Passcode** client application from the [SecureAuth Downloads](#) page
2. Open an elevated command prompt (Run as administrator)
3. Use the following syntax to perform a silent install:

Syntax:	<code><installerPath>\Passcode2_0.msi /quiet INSTALLDIR=<installDirectoryPath> ENROLLMENTURL=<enrollmentURLpath></code>
Example:	<code>C:\users\admin\Downloads\Passcode2_0.msi /quiet INSTALLDIR="C:\SecureAuth Files\Passcode" ENROLLMENTURL=secureauth.company.com</code>

The **INSTALLDIR** and **ENROLLMENTURL** attributes are **OPTIONAL**

- The **INSTALLDIR** attribute is only required if installing Passcode to a non-default location; the default location is C:\Program Files (x86)\Passcode
- The **ENROLLMENTURL** attribute pre-fills the Add Account page with the URL when the end-user opens the application for the first time
 - The Add Account screen will display a notice to alert the end-user that "A web address has been provided by your administrator"; the end-user is able to modify this pre-filled URL if desired
 - If the administrator chooses to specify an account Enrollment URL in the command line syntax, then any existing provisioned accounts on the end-user's machine will be deleted
 - If using **SecureAuth998** as the app enrollment realm, then only the domain name is required for the **ENROLLMENTURL** attribute (e.g. secureauth.company.com); if using a different realm for app enrollment, then the entire URL and realm name are required (e.g. https://secureauth.company.com/secureauth2)

Provisioning Steps



PASSCODE

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1. Open the **Passcode** client application from the Windows Start menu

The Passcode splash screen appears

Add Account

Enter the web address provided by your administrator

Start

Cancel

Add Account **Close**

Username:

Password:

Submit

If this is a fresh install, then the **Add Account** window opens

2. Provide the **Server URL**, which is the SecureAuth IdP App Enrollment /OATH Provisioning realm

If using **SecureAuth998** as the app enrollment realm, then only the domain name is required (e.g. secureauth.company.com); if using a different realm for app enrollment, then the entire URL and realm name are required (e.g. https://secureauth.company.com/secureauth2)

3. Click **Start**

4. Follow the configured workflow, which may include Multi-Factor Authentication

Shown in the image is **Username + Password Only (on 1st page)**

Create PIN

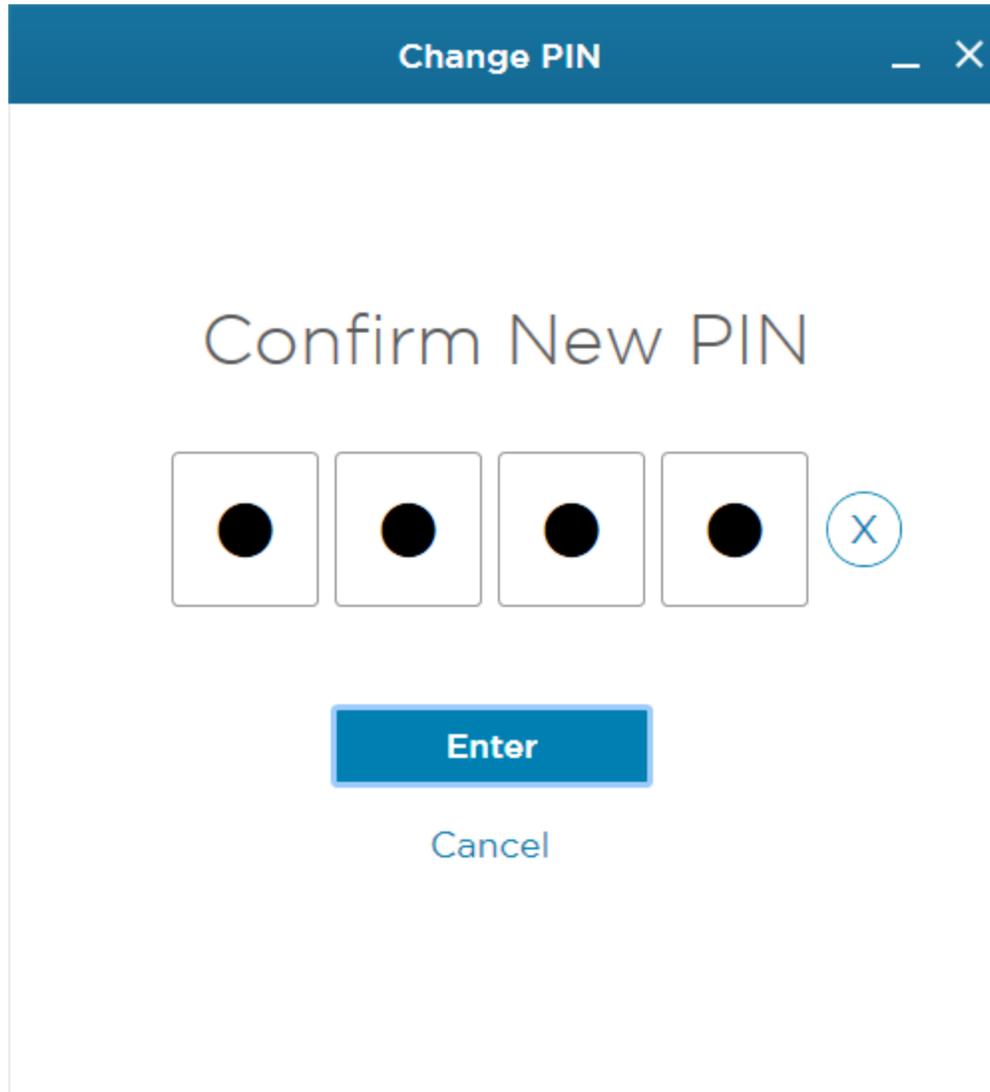


Choose PIN

Choose a PIN that does not have 4 repeating digits or sequential digits.

Example: 6666 and 7654 are not allowed

Enter



5. Set the **PIN** (if required in the App Enrollment Realm configuration) and click **Enter**

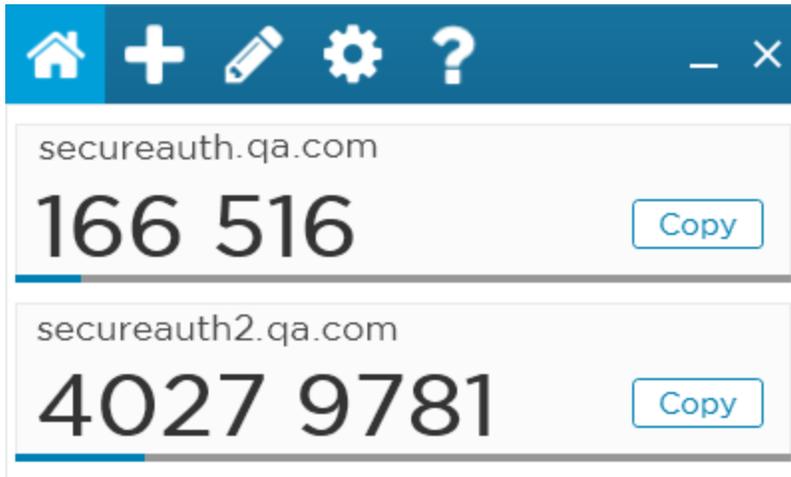
PIN values contain the following restrictions:

- Must not contain 4 repeating digits (e.g. '6666')
- Must not be forward or backwards sequential (e.g. '4567' or '7654')

6. Confirm the PIN, and click **Enter** again

The **OTP Panel** appears and the client application displays the one-time password (OTP) that can be used for Multi-Factor Authentication

Application Usage



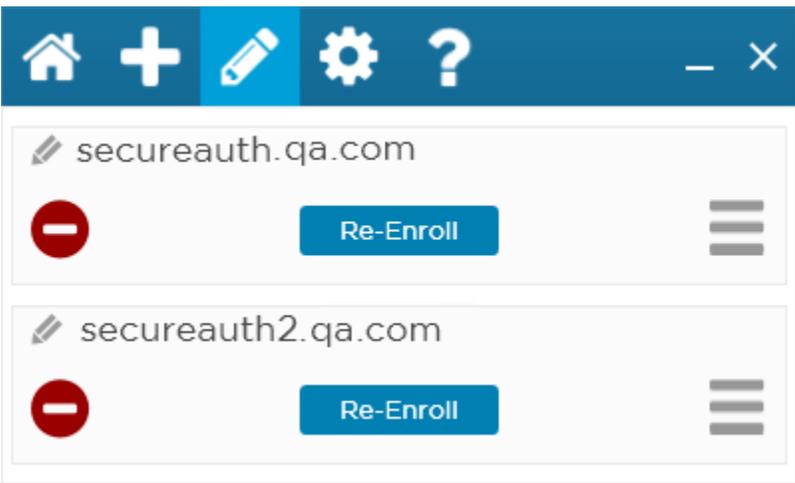
When the application is opened, the **OTP panel** appears (after PIN entry, if required)

- The **OTP** is either 6 or 8 digits in length, depending on admin configuration
- The blue bar under the OTP digits indicates how much time remains to use the OTP for login (configured by admin)
 - The bar turns red when there are ten (10) seconds remaining; when the time is elapsed, a new OTP displays
- Click the **Copy** button to the right of the OTP to copy the OTP to clipboard for easy input into the login page

Toolbar

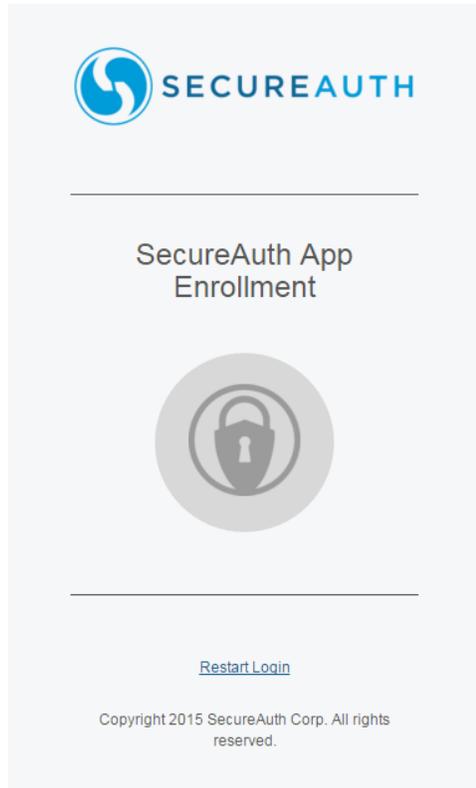
	Home	Displays the OTP panel , which shows the OTPs for all accounts on domains that have been provisioned
	Add Account	Opens the Add Account screen, allowing the user to provision an additional domain
	Edit Accounts	Opens the Edit Accounts screen. From here, the user can rename , re-enroll , reorder , and delete accounts
	Change PIN	Opens the PIN Selection screen, allowing the user to change the registered PIN
	About	Opens the About screen, which displays the Passcode version number
	Minimize and Quit	Minimizes the application window or exits the application

Edit Accounts Screen



	Re name	Renames the provisioned account
	Re - en roll	Clears out the provisioning data for the account and restarts the Provisioning process
	Re order	Drag the 3 bars to reorder the accounts listed on the OTP panel
	De lete	Click to delete the provisioned account

In **SecureAuth IdP 9.0.2+**, when the end-user is presented the page of Multi-Factor Authentication methods from which to choose, the Multi-Factor Authentication method that was last selected and used in a successful login attempt persists as the default method for the next login in each device / browser



Please choose the delivery method for your Passcode.

Email xxxxx@secureauth.com

Phone/Mobile xxx-xxx-xxxx Voice SMS/Text

Time-based Passcode - SecureAuth OTP Mobile App

Send login request to xxx-xxx-xxxx iPod touch

Send passcode to xxx-xxx-xxxx iPod touch

1. Initiate the login process on a realm that enables OATH OTPs as a second-factor option (configured on the **Registration Methods** tab of the realm)

2. Follow the configured workflow

3. Once on the Multi-Factor Authentication methods page, select **Time-based Passcode** from the list of options, and click **Submit**



By default, the listing for the **Time-based Passcode** option is followed by the text "**SecureAuth OTP Mobile App**"

However, this listing applies to all devices and browsers provisioned for Single (OATH Seed) mode – e.g. mobile apps, desktop apps, etc.

In environments that support more than one type of OTP app, the end-user may not know this option also applies to desktop OTP apps

For these scenarios, SecureAuth recommends replacing the **SecureAuth OTP Mobile App** label with a more generic name – e.g. **SecureAuth OTP App** – to improve the end-user experience and to minimize confusion

These configuration steps can be applied to any Passcode app provisioned for OATH Seed (Single) mode (based on Multi-Factor App Enrollment Realm configurations)

SecureAuth recommends making these modifications *before* end-users enroll their browsers / devices to avoid any caching issues on the client-side pages

Overview

▼ Advanced Settings

Email Settings

CSS Editor

Content and Localization

1. In the **Advanced Settings** section, click **Content and Localization**

Verbiage Editor

▼ Verbiage Editor

registrationmethod_OATH: Time-based Passcode -

registrationmethod_oath2: SecureAuth OTP App

browserregistrationpassword_OATH: Enter the code from your SecureAuth OTP App.

2. Search for the **registrationmethod_oath2** field and alter the content, e.g. **SecureAuth OTP App**



Click **Save** once the configurations have been completed and before leaving the **Content and Localization** page to avoid losing changes

Example Output



SecureAuth App Enrollment



[Restart Login](#)

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Please choose the delivery method for your Passcode.

Email xxxxx@secureauth.com

Phone/Mobile xxx-xxx- Voice

Time-based Passcode - SecureAuth OTP App

Send login request to iPod touch

Send passcode to iPod touch

On the **Registration Methods** page, the option now displays as **Time-based Passcode - SecureAuth OTP App**

i The **Time-based Passcode - SecureAuth OTP Mobile App** option is for *all* devices and browsers that are provisioned for **OATH Seed (Single)** mode; therefore, if using more than one OTP app (mobile apps, desktop apps, etc.), then a generic name is recommended, e.g. **SecureAuth OTP App**

Enter PIN

Enter PIN to Continue

| □ □ □ (X)

Enter

Home + Pencil Gear ?

secureauth.qa.com

166 516 Copy

secureauth2.qa.com

4027 9781 Copy

4. Start the **Passcode** app
5. If a PIN is required to unlock the app, input the **PIN** and click **Enter**
6. On the account tile, click **Copy** to grab the passcode



SecureAuth App Enrollment



[Restart Login](#)

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Passcode:

40279781

1	2	3
4	5	6
7	8	9
	0	C

Submit

[Please click here to use an alternate registration method.](#)

7. Paste the passcode from the app onto the login page, and click **Submit** to gain access to the realm

Release Notes

Version 2.0

Released on November 1, 2016

New Features

Multiple account support

New UI and Branding (formerly SecureAuth Windows Desktop OTP Client)

Weak PIN protection

PIN brute force protection

Roaming profile support (Windows only)

Application hardening

Resolved Issues

Installation path defaults to Windows standards

Security and stability improvements