Helpdesk Administration Guide

Advanced Authentication

Version 5.5



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Contents

	About NetIQ Corporation About this Book Authenticators Management		5 7
1			9
	1.1	Bluetooth	11
	1.2	Card	11
	1.3	Email OTP	12
	1.4	Emergency Password	13
	1.5	Fingerprint	13
	1.6	HOTP	
	1.7	LDAP Password	
	1.8	Password (PIN)	
	1.9	PKI	
	1.10	Radius Client	
	1.11	Security Questions	
	1.12	Smartphone	
	1.13	SMS OTP	
	1.14	TOTP	
	1.15	U2F	
	1.16	Voice	
	1.17	Swisscom Mobile ID Method	
	1.18	Voice OTP	23
2	Shar	ing Authenticators	25

4

About NetIQ Corporation

We are a global, enterprise software company, with a focus on the three persistent challenges in your environment: Change, complexity and risk—and how we can help you control them.

Our Viewpoint

Adapting to change and managing complexity and risk are nothing new

In fact, of all the challenges you face, these are perhaps the most prominent variables that deny you the control you need to securely measure, monitor, and manage your physical, virtual, and cloud computing environments.

Enabling critical business services, better and faster

We believe that providing as much control as possible to IT organizations is the only way to enable timelier and cost effective delivery of services. Persistent pressures like change and complexity will only continue to increase as organizations continue to change and the technologies needed to manage them become inherently more complex.

Our Philosophy

Selling intelligent solutions, not just software

In order to provide reliable control, we first make sure we understand the real-world scenarios in which IT organizations like yours operate—day in and day out. That's the only way we can develop practical, intelligent IT solutions that successfully yield proven, measurable results. And that's so much more rewarding than simply selling software.

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About this Book

Advanced Authentication user documentation is designed for Helpdesk administrators and describes how to manage users' authenticators.

Intended Audience

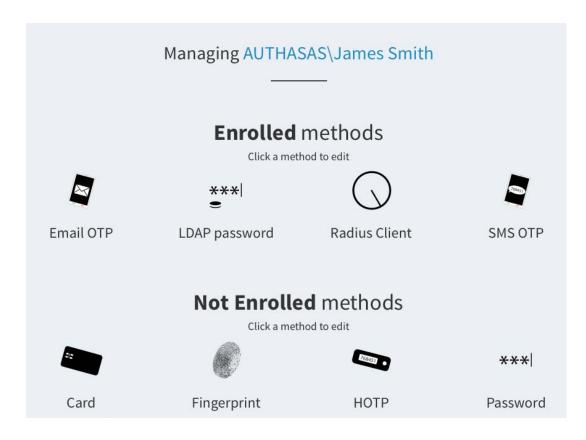
This book provides information for individuals responsible for understanding administration concepts and implementing a secure, distributed administration model.

1 Authenticators Management

To use the Advanced Authentication a user needs to have at least one enrolled **authenticator**. Authenticator is a set of encrypted data, which contains your authentication data and which you can use to perform log on to Windows, MacOS, remote resources (if applicable) or Advanced Authentication Access Manager etc. Some of the authenticators such as **SMS**, **Email**, **Voice OTP**, **LDAP Password**, **Swisscom Mobile ID** and **RADIUS** enroll automatically for default category and other categories added. If user needs to use only one or some of them, he/she can skip the enrollment stage.

The enrollment can be performed on the Advanced Authentication Helpdesk Portal. Ask your system administrator to provide you the URL.

- 1. Open the URL in your browser and you will see the **User name** prompt.
- 2. Enter your user name and click **Next** button.
- 3. Enter your password and click **Next** button. If the provided information is correct you will get access to the Helpdesk Portal.
- 4. Enter name of user which you need to manage. Click Next.
- 5. Enter user credentials (if applicable) to get access for user management.
- 6. You can change the language from the drop-down list on the top right corner of the Advanced Authentication Administrative Portal main page.
 - The languages supported are: Arabic, Chinese Simplified, Chinese Traditional, Danish, Dutch, French, German, Italian, Japanese, Polish, Portuguese (Brazilian), Russian, Spanish, Hebrew, and Swedish.
- 7. Select one of the available methods to manage.



Methods which enroll automatically:

- 1. Email OTP
- 2. LDAP Password
- 3. Radius Client
- 4. SMS OTP
- 5. Voice OTP

Not Enrolled methods:

- 1. Bluetooth
- 2. Card
- 3. Emergency Password
- 4. Fingerprint
- 5. HOTP
- 6. Password (PIN)
- 7. PKI
- 8. Security Questions
- 9. Smartphone
- 10. TOTP
- 11. U2F
- 12. Voice
- 13. Swisscom Mobile ID Method

After enrollment a method will be moved to the Enrolled methods section.

To change a managed user click a user name in caption Managing <username> and then click OK.

An alternative way is to click your user name in top right corner and then click Change user.

From the same menu you can log out from the Helpdesk Portal. To do it click Log Out.

1.1 Bluetooth

The Bluetooth authentication method allows to authenticate using your Bluetooth enabled mobile device.

NOTE: To use the **Bluetooth** method for authentication, you must install the Advanced Authentication Device Service. For more information on Device Service, see Advanced Authentication - Device Service guide.

To enroll the Bluetooth method perform the following steps:



- 1. Click the Bluetooth
- 2. Specify a comment in Comment field, if required.
- 3. Select the required category from the Category list, if applicable.
- 4. Turn on the Bluetooth in your mobile device and also ensure that it is discoverable to other Bluetooth devices.
- 5. Select your Bluetooth enabled mobile device from the list.

NOTE: If your mobile device is not listed, click Refresh list to reload the devices.

6. Click Save.

To test the authenticator perform the following steps:

- 1. Click the Bluetooth icon in the Enrolled methods section.
- 2. Click Test. A message Waiting for Bluetooth service is displayed and then a message is displayed indicating the result of the test.

1.2 Card

NOTE: You must install Advanced Authentication Device Service before you enroll a card. Some card readers are supported only for Microsoft Windows. Contact your administrator for more information.

To enroll a card click the Card



Then follow the steps below:

- 1. You see a message Press button "Save" to begin.
- 2. You may enter a comment in Comment field. It should be a text like my white card.
- 3. Select the required category from the Category list.

- 4. Ensure that your card reader is connected to the machine.
- 5. Click Save button. You will see a message Waiting for card...
- 6. Tap a card on the reader. For a second you will see a message Card has been detected, then the Card enrollment page will be closed and you will see a message Authenticator "Card" enrolled.

TIP: If you see a message Card Service unavailable ensure that you have the Advanced Authentication Smartcard Service installed.

If you see a message Card reader not detected ensure that you have a card reader properly connected to the machine and the reader is available in Device Manager. Try to reconnect the reader.

You may get the message Card reader detected on Mac OS X. It is related to an improper work of a system service pcscd. To fix the issue, run Terminal and run the following commands:

kill pcscd

kill pcscdlite

Then reconnect the reader and re-initiate the enrollment.

To test the authenticator follow the next steps:

- 1. Click the Card icon in the Enrolled methods section.
- 2. Click Test button. You will see a message Waiting for card...
- 3. Tap a card on the reader. For a second you will see a message Card has been detected, then the Card enrollment page will be closed and you will see a message Authenticator "Card" passed the test. If the provided card is invalid you will see a message Wrong smartcard.

1.3 Email OTP

The Email OTP authentication method sends an email to your email address with a one-time password (OTP). You can use this OTP to authenticate withing a certain time frame.

This authenticator enrolls automatically and it's not possible to remove it.

NOTE: If there is no email in the account profile for the user in the repository, then the Email OTP method is not enrolled automatically. However, you can manually enroll the Email OTP method from the **Not Enrolled methods** section, by entering the email address and then clicking **Save**.

To test the enrolled authenticator follow the steps below:



- 1. Click the Email OTP icon
- in the Enrolled methods section.
- 2. Ensure that your email address (specified after the text The email address your One-Time Password is sent to is:) is valid. Change the email address if it is invalid.
- 3. Click Test button. In few seconds you will see a message OTP password sent, please enter.
- 4. Check your email. You should get an email message with one-time password.
- 5. Enter the OTP to the Password field.
- 6. Click Next. You will see a message Authenticator "Email OTP" passed the test. If the provided authenticator is invalid you will see a message Wrong answer, try again.

1.4 Emergency Password

The Emergency Password is a temporary password which can be enrolled for the users who forgot smartphone or lost a card. Enrollment of the Emergency Password authenticator by users is forbidden intentionally by security reason.

To enroll an emergency password authenticator click the Emergency Password icon in the Helpdesk Portal. Then follow the steps below:

- 1. You may enter a comment in Comment field. It should be a text like lost a card.
- Select the required category from the Category list.
- 3. Specify Password and enter its Confirmation in the appropriate fields.
- 4. Check the **Start date (UTC)** and **End date (UTC)** when the authenticator is valid. You may change the dates if applicable.
- 5. You may also change the Maximum logons value (if applicable).

To test the enrolled authenticator follow the steps below:

- 1. Click the Emergency Password icon in the Enrolled methods section.
- 2. Click Test button.
- 3. Enter the emergency password to the Password field.
- Click Next. You will see a message Authenticator "Emergency Password" passed the test. If the provided authenticator is invalid you will see a message Wrong password.

1.5 Fingerprint

TIP: Fingerprint enrollment is supported only on Microsoft Windows. You must install Advanced Authentication Device Service.



To enroll a card click the Fingerprint

Then follow the steps below:

- 1. You see a message Press button "Save" and put your finger on the reader.
- 2. You may enter a comment in Comment field. It should be a text like left index finger.
- 3. Select the required category from the Category list.
- 4. Ensure that your fingerprint reader is connected to the machine.
- 5. Click Save button. You will see a message Put your finger on the reader.
- 6. Put your finger in case of touch sensor or swipe your finger in case of swipe sensor. You will see a message Authenticator "Fingerprint" added.

IMPORTANT: It's strongly recommended to test the authenticator after enrollment. If you are not able to get a successful test, please delete the authenticator and enroll it again.

TIP: If you see a message Fingerprint Service unavailable ensure that you have the Advanced Authentication Smartcard Service installed.

TIP: If you see a message Enroll failed: Fingerprint reader is not connected ensure that a fingerprint reader is properly connected to the machine and the reader is available in Device Manager.

To test the authenticator follow the next steps:

- 1. Click the Fingerprint icon in the Enrolled methods section.
- 2. Click Test button. You will see a message Put your finger on the reader
- 3. Put your finger in case of touch sensor or swipe your finger in case of swipe sensor. You will see a message Authenticator "Fingerprint" passed the test. If the provided fingerprint is invalid you will see a message Mismatch.

1.6 HOTP

HOTP is a counter-based one-time password. This method uses a counter that is in sync with your HOTP token and the server.

To enroll the HOTP authenticator you should follow recommendations of your system administrator. The following cases are possible:

- 1. A new token is already assigned to your account and enrollment is not needed.
- 2. A used token is assigned to your account and the HOTP counter synchronization is required.
- 3. You get an information about serial number of your token and need to assign it to your account.
- 4. You want to enroll the authenticator manually.

To enroll a HOTP authenticator click the HOTP



B. A used token is assigned to your account and the HOTP counter synchronization is required.

To perform the HOTP counter synchronization follow the steps below:

- 1. Click the HOTP icon in the Enrolled methods section.
- Enter an OTP from your token, or in case of an OATH HOTP compliant YubiKey token usage connect your token to the workstation, set cursor to the HOTP 1 field and press the token's button.
- 3. Repeat the actions described in point 3 for the HOTP 2 and HOTP 3 fields.
- 4. Click Save button.
- C. You get an information about serial number of your token and need to assign it to your account.

To assign an existing token for your account follow the steps below:

- 1. Click the HOTP icon in the Enrolled methods section.
- 2. You can specify an optional comment in Comment field.
- Enter the token's serial number provided by your system administrator to the OATH Token Serial field.
- 4. Enter three consecutive one-time passwords to the HOTP 1, HOTP 2, HOTP 3 fields.
- 5. Click Save button.
- D. You want to enroll the authenticator manually.

To enroll a new authenticator manually follow the steps below:

- 1. Click the HOTP icon in the Enrolled methods section.
- 2. You can specify an optional comment in Comment field.
- 3. Enter three consecutive one-time passwords to the HOTP 1, HOTP 2, HOTP 3 fields.
- 4. Enter 40 hexadecimal characters secret code to the Secret (if you know) field.
- 5. Click Save button.

1.7 LDAP Password

The LDAP password is a password of your corporate account.

This authenticator enrolls automatically and it's not possible to remove it.

To test the enrolled authenticator follow the steps below:



- 1. Click the LDAP password icon in the Enrolled methods section.
- 2. Click Test button.
- 3. Enter your password to the Password field.
- 4. Click Next. You will see a message Authenticator "LDAP password" passed the test. If the provided authenticator is invalid you will see a message Invalid credentials.

1.8 Password (PIN)

The Password (PIN) authenticator is a password stored in the Advanced Authentication appliance, that is not connected to your corporate directory. This could be a PIN or simple password.

***|
To enroll a password (PIN) click the Password (PIN) icon.

Then follow the steps below:

- 1. You can specify an optional comment in Comment field.
- Select the required category from the Category list.
- 3. Enter a Password (PIN) and its Confirmation in the appropriate fields. The password (PIN) must be not less 5 characters (by default, it may be changed by your system administrator).
- 4. Click Save button. You will see a message Authenticator "Password (PIN)" added.

To test the authenticator follow the next steps:

- 1. Click the Password (PIN) icon in the Enrolled methods section.
- 2. Click Test button.
- 3. Enter your password (PIN).
- 4. Click Next. You will see a message Authenticator "Password (PIN)" passed the test. If the provided authenticator is invalid you will see a message Wrong password (PIN).

WARNING: You will not get notification about the password (PIN) expiration. It's required to sign in to the Self-Service Portal and change the password each 42 days.

1.9 **PKI**

NOTE: You must install Advanced Authentication Device Service for the PKI method enrollment.

To enroll a PKI method, perform the following steps:



- 1. Click the PKI icon
- 2. Click Save to begin the enrollment.
- 3. Enter a comment in Comment. For example, black crypto stick.
- 4. Select the required category from the Category list.
- 5. A message Waiting for card.... is displayed. Present your card or plug in your crypto stick to the machine.
- 6. A message Use an existing certificate or generate a key pair is displayed. Select a key from Key or leave the Generate a key pair option as blank.
- 7. Enter the PIN code of the device in PIN.
- 8. Click Save. The message Authenticator "PKI" enrolled is displayed.

NOTE: If an error Card reader connected is displayed, ensure that a card is presented on the reader/ crypto stick is connected.

If an error Enroll failed: Cannot check revocation status for ... is displayed, then the certificate on your device has no information about where to find the revocation status, or the information is presented but the Certificate Authority is not available to check the revocation status.

If an error Card service unavailable is displayed, restart your machine.

If an error Key not found. Wrong Card? is displayed, you might have enrolled the PKI authenticator in RDP session. Re-enroll the authenticator in normal session.

The following unexpected error codes (the errors are from a PKCS#11 module) could be displayed:

- CKR DEVICE ERROR: The token or USB slot is broken. Try to use a different USB slot.
- CKR DEVICE MEMORY: No space left on token or other problems with the token's memory.
- CKR MECHANISM INVALID: An invalid mechanism was specified to the cryptographic operation.
- CKR_PIN_EXPIRED: Ensure that the card has been initialized, or you do not use the default PIN and the PIN has not expired.
- CKR PIN LOCKED: The user PIN is locked.
- CKR TOKEN NOT RECOGNIZED: The token has not been recognized.
- OPERATION FAILED: Contact your system administrator to analyze the debug logs.

To test the authenticator, perform the following steps:

- 1. Click the PKI icon in the Enrolled methods section.
- 2. Click Test. A message Waiting for card... is displayed.

- 3. Present your card or connect your crypto stick to the machine.
- 4. Enter PIN code of the device in PIN. A message Authenticator "PKI" passed the test is displayed. If the authenticator is invalid, a message Wrong card is displayed.

1.10 Radius Client

The Radius Client authentication method forwards your authentication request to a third-party Radius Server.

This authenticator enrolls automatically and it's not possible to remove it.

By default a user name from your corporate directory is used. To change it specify a required name in the User name field. Then click Save button.

To test the enrolled authenticator follow the steps below:

- Click the Radius Client icon in the Enrolled methods section.
- 2. Click Test button.
- 3. Enter Radius password to the Password field.
- 4. Click Next. You will see a message Authenticator "Radius Client" passed the test.

1.11 Security Questions

The Security Questions authenticator allows you to enroll answers to an administrator-defined number of security questions. When you authenticate using security questions, Advanced Authentication asks you all of the security questions or a subset of the security questions.

To enroll an authenticator click the Security Questions



icon.

Then follow the steps below:

- 1. You can specify an optional comment in Comment field.
- 2. Select the required category from the Category list.
- 3. Enter answers to the security questions. Each answer must contain not less 1 character (by default, it may be changed by your system administrator).
- 4. Click Save button. You will see a message Authenticator "Security Questions" added.

To test the authenticator follow the next steps:

- 1. Click the Security Questions icon in the Enrolled methods section.
- 2. Click Test button.
- 3. Enter answers to the security questions.
- 4. Click Next. You will see a message Authenticator "Security Questions" passed the test. If at least one of the provided answers is invalid you will see a message Wrong answers.

1.12 Smartphone

TIP: To enroll the Smartphone authenticator it's required to use the Advanced Authentication smartphone app (Apple iOS app (https://itunes.apple.com/us/app/netiq-advanced-authentication/id843545585), Google Android app (https://play.google.com/store/apps/details?id=com.netiq.oathtoken)).



To enroll a smartphone authenticator click the Smartphone

icon.

Then follow the steps below:

- 1. You see a message Press button "Save" to start smartphone enrolling.
- 2. You may enter a comment in Comment field. It should be a text like my iPhone.
- 3. Select the required category from the Category list.
- 4. Click Save button. You will see a QR code.
- 5. Move a cursor out of the QR code and open the Advanced Authentication smartphone app.



- 6. Tap Offline authentication button in the app.
- 7. Tap + button to add a new authenticator in the app.
- 8. Use camera of your smartphone to scan the QR code.
- 9. You will see a message Authenticator "Smartphone" added.
- Enter your username and an optional comment in the smartphone app.
- 11. Save the authenticator on your smartphone.

TIP: You may get the error Enroll failed: Enroll timeout if you didn't enroll the authenticator during few minutes. In this case refresh the browser page and initialize enrollment again.

TIP: If you are not able to scan the QR code with Advanced Authentication app, try to do the following:

- 1. try to scan the zoomed QR code by making a zoom of the page to 125-150%.
- 2. ensure that nothing overlaps the QR code (mouse cursor, text).

To test the authenticator follow the next steps:

- 1. Click the Smartphone icon in the Enrolled methods section.
- 2. Click Test button. You will see a message Waiting for smartphone data...
- 3. Open the Advanced Authentication smartphone app. You will get an authentication request message.
- 4. Tap Accept button to accept the authentication request. You will see the message Authenticator "Smartphone" passed the test. If you tap the Reject button, the authentication will be declined and you will see the message Auth rejected. If you ignored the authentication request, in a couple of minutes you will get a message Auth confirmation timeout.

1.13 SMS OTP

The SMS OTP authentication method uses your mobile phone number from your account attribute. The authenticator sends an SMS message to your mobile phone. The message contains One-Time Password (OTP). You can use this OTP to authenticate withing a certain time frame.

This authenticator enrolls automatically and it's not possible to remove it.

NOTE: If there is no phone number in the account profile for the user in the repository, then the SMS OTP method is not enrolled automatically. However, you can manually enroll the SMS OTP method from the **Not Enrolled methods** section, by entering the phone number and then clicking **Save**.

To test the enrolled authenticator follow the steps below:



- 1. Click the SMS OTP
- icon in the Enrolled methods section.
- 2. Ensure that your mobile phone number (specified after the text The mobile number where an SMS OTP is sent:) is valid. Change the mobile number if it is invalid.
- 3. Click Test button. In few seconds you will see a message OTP password sent, please enter.
- 4. Check your SMS. You should get an SMS message with one-time password.
- 5. Enter the OTP to the Password field.
- 6. Click Next. You will see a message Authenticator "SMS OTP" passed the test. If the provided authenticator is invalid you will see a message Wrong answer, try again.

1.14 **TOTP**

TOTP is a time-based one-time password. This method uses a predefined time step, which is equal to 30 seconds by default. It means that each 30 seconds a new one-time password will be generated.

To enroll the TOTP authenticator you should follow recommendations of your system administrator. TOTP method supports different cases of usage:

- Using Advanced Authentication smartphone app (Apple iOS ap (https://itunes.apple.com/us/app/ netiq-advanced-authentication/id843545585), Google Android app (https://play.google.com/ store/apps/details?id=com.netiq.oathtoken)).
- 2. Using Google Authenticator app.
- 3. Using OATH TOTP compliant hardware token.
- 4. Using OATH TOTP compliant software token.

WARNING: Format of QR codes for the Advanced Authentication and Google Authenticator apps are different, so you need to ask your system administrator which of the apps you should use.

To enroll a TOTP authenticator click the TOTP



icon

A. Using Advanced Authentication smartphone app

In you want to enroll an authenticator using Advanced Authentication smartphone app follow the next steps:

- 1. You may enter a comment in Comment field. It should be a text like my iPhone.
- 2. Select the required category from the Category list.
- 3. Move a cursor out of the QR code and open the Advanced Authentication smartphone app.
- 4. Tap Offline authentication button in the app.
- 5. Tap + button to add a new authenticator in the app.
- 6. Use camera of your smartphone to scan the QR code.
- 7. Click Save button.
- 8. You will see a message Authenticator "TOTP" added.
- 9. Enter your username and an optional comment in the smartphone app.
- 10. Save the authenticator on your smartphone.

TIP: If you are not able to scan the QR code with Advanced Authentication app, try to do the following:

- 1. try to scan the zoomed QR code by making a zoom of the page to 125-150%.
- 2. ensure that nothing overlaps the QR code (mouse cursor, text).
- 3. try to scan it using the Google Authenticator app.

If it doesn't work, contact your system administrator.

B. Using Google Authenticator app

Follow the steps below to enroll an autheticator using the Google Authenticator app:

- 1. You may enter a comment in Comment field. It should be a text like my iPhone.
- 2. Select the required category from the Category list.
- 3. Move a cursor out of the QR code and open the Google Authenticator app.
- 4. Tap **BEGIN SETUP** text in the app.
- 5. Tap Scan barcode button to add a new authenticator in the app.
- 6. Use camera of your smartphone to scan the QR code.
- 7. Click Save button.
- 8. You will see a message Authenticator "TOTP" added.

TIP: You may get the Invalid barcode error. It means that probably the QR code is compatible with Advanced Authentication app.

C. Using OATH TOTP compliant hardware token

To enroll OATH TOTP compliant hardware token follow the steps below:

- 1. You may enter a comment in Comment field. It should be a text like HID token.
- 2. Select the required category from the Category list.
- 3. Enter your token's serial number to the **OATH Token Serial** field. You may get the information on back side of your token.
- 4. Press the token's button and enter the OTP to the OTP field.
- 5. Click Save button.
- 6. You will see a message Authenticator "TOTP" added.
- D. Using OATH TOTP compliant software token

To enroll OATH TOTP compliant software token follow the steps below:

- 1. You may enter a comment in Comment field. It should be a text like A phone app.
- 2. Select the required category from the Category list.
- 3. Expand the Enter TOTP secret manually.
- 4. Enter 40 hexadecimal characters in Secret field.
- Check the Google Authenticator format of secret (Base32) option if you use the Google Authenticator app.
- 6. Change the **Period** value if required (30 seconds by default).
- 7. Click Save button.
- 8. You will see a message Authenticator "TOTP" added.

1.15 U2F

TIP: You must install Advanced Authentication Device Service for all browsers except Google Chrome. It contains a built-in module.



To enroll a FIDO U2F authenticator click the U2F

Then follow the steps below:

- 1. You see a message Press button "Save" to begin enrolling.
- 2. You may enter a comment in Comment field. It should be a text like YubiKey token.
- 3. Select the required category from the Category list.
- 4. Ensure that your FIDO U2F token is properly connected to the machine.
- 5. Click Save button. You will see a message Please touch the flashing U2F device now. You may be prompted to allow the site permissions to access your security keys.
- 6. Look at the FIDO U2F token. If it's flashing, press a FIDO U2F button. You will see a message Authenticator "U2F" enrolled. If it doesn't flash wait 10 seconds, if it still doesn't flash then reconnect your token and repeat the steps.

TIP: If you see a message Cannot reach local FIDO U2F Service. Ask your admin to enable it. You may use Google Chrome browser, it has a built-in U2F support ensure that you have the Advanced Authentication FIDO U2F Service installed.

If a message Enroll failed: Device not attested. Ask your administrator to upload your token attestation certificate is displayed, contact your administrator to add your token attestation certificate.

TIP: If you see a message Timeout. Press "Save" to start again click Save again.

To test the authenticator follow the next steps:

- 1. Click the U2F icon in the Enrolled methods section.
- 2. Click Test button. You will see a message Please touch the flashing U2F device now. You may be prompted to allow the site permissions to access your security keys
- 3. Press a FIDO U2F button. You will see a message Authenticator "U2F" passed the test. If the provided card is invalid you will see a message Token is not registered.

1.16 Voice

The Voice authenticator initiates a phone call to your mobile number. The phone call asks you to enter your PIN. You need to specify the PIN during enrollment.

To enroll a Voice authenticator click the Voice icon.



Then follow the steps below:

- 1. Ensure that a valid phone number is set in the field The mobile number where a Voicecall is
- 2. You can specify an optional comment in Comment field.
- 3. Select the required category from the Category list.
- 4. Specify a PIN. By default it must contain at least 3 digits.
- 5. Click Save button. You will see a message Authenticator "Voice" added.

TIP: You may get the error Enroll failed: User has no phone number. Please contact administrators/helpdesk and register your phone. In this case contact your system administrator and ask to add your phone number for your account.

To test the authenticator follow the next steps:

- 1. Click the Voice icon in the Enrolled methods section.
- 2. Click Test button.
- 3. Take up the phone and listen to the answerphone.
- 4. Enter your PIN and tap hash sign (#).
- 5. You will see a message Authenticator "Voice" passed the test. If the provided PIN is invalid you will see a message Wrong PIN.

WARNING: You will not get notification about the PIN expiration. It's required to sign in to the Self-Service Portal and change the PIN each 42 days.

1.17 Swisscom Mobile ID Method

The Swisscom Mobile ID authentication method uses your mobile phone number from your account attribute. The authenticator sends an authentication request to your mobile phone. You need to accept it.

This authenticator enrolls automatically and it is not possible to remove it.



To test the Swisscom Mobile ID authenticator, click the Swisscom Mobile ID Enrolled methods section and perform the following steps:

icon in the

- 1. Click Test. A message is displayed indicating that the you must accept the request on the mobile phone.
- 2. Accept the request. A message Authenticator "Swisscom Mobile ID" passed the test is displayed.

1.18 **Voice OTP**

The Voice OTP authenticator initiates a phone call to your mobile number. You will receive the voice OTP in the phone call.

This authenticator enrolls automatically and it is not possible to remove it.

NOTE: If there is no phone number in the account profile for the user in the repository, then the Voice OTP method is not enrolled automatically. However, you can manually enroll the Voice OTP method from the Not Enrolled methods section, by entering the phone number and then clicking Save.

To test the enrolled authenticator perform the following steps:



- 1. Click the Voice OTP icon in the Enrolled methods section.
- 2. Click Test.

- 3. Receive the call on your phone and listen to the voice OTP.
- 4. Enter the One-Time Password in the Password field.
- 5. Click Next. A message Authenticator "Voice OTP" passed the test is displayed. If the provided authenticator is invalid you will see a message Wrong answer, try again.

2 Sharing Authenticators

You can allow users to authenticate to another user's account by using their own authenticators. For example, if the sharing authenticator option is enabled, the secretary's account can be linked to the account of boss and the secretary will be able to authenticate to the account of boss by using her own authenticators.

The authenticators that can be linked are: TOTP, HOTP, Password, Fingerprint, Card, and FIDO U2F.

To share the authenticators of a user with another user, perform the following steps:

- 1 Login and specify the name of the user to whom you want to link the authenticators to.
- 2 Click Linked Authenticators tab on the screen.
- 3 Specify the user name whose authenticator you want to use. For example, if you want to use secretary's fingerprint to authenticate to the account of boss, specify the name as Secretary-Fingerprint.
- 4 Click Save.

Secretary will now be able to authenticate to the account of boss by authenticating with her own fingerprint.