



HARDWARE TOKEN IMPORT

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Hardware Token Import

[Hardware Tokens](#)

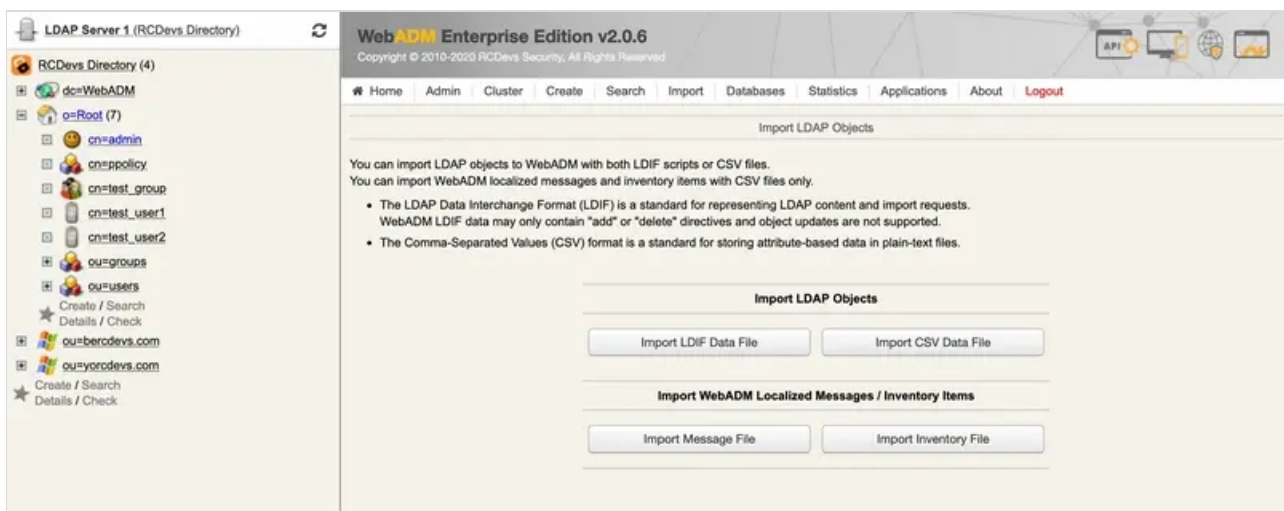
Inventory For The Hardware Tokens

For each purchase of hardware tokens from RCDevs, RCDevs provide an Inventory file encrypted that contains the tokens seeds. Only your server can decrypt this file: it works with the license.

The Inventory for the hardware tokens in WebADM/OpenOTP allows:

- > to review the token stock
- > to register a token very easily
 - > with the serial number only for the RC200, RC300 & RC400 hardware tokens
 - > pressing a Yubikey
- > to save time when importing a large number of tokens.

First, the Inventory must be imported via the menu **Import** of WebADM/OpenOTP by clicking on the *Import Inventory File* button.



Once done, administrators or end-users can enroll the tokens very easily.

The inventory management is available from the menu **Databases** of WebADM by clicking on the link *Inventoried Items*.

The screenshot shows the WebADM Enterprise Edition v2.0.6 interface. The main content area is titled 'Database Viewer for Inventoried Devices (5 results out of 5 inventory items)'. It features a search and filter section with a dropdown for 'Item Type' set to 'Equals', and buttons for 'Valid', 'Lost', 'Broken', 'Expired', 'Enabled', and 'Disabled'. Below this are 'Display Options' (Retrieve max: 1000, Page results: 30) and 'Inventory Actions' (Delete selected items, Scope selected items, Re-encrypt inventory, Check Links / Scopes, Import from CSV file, Export as CSV / XML). A table displays the following data:

Item Type	Reference	Description	Import Date	User DN	Usage Scope	Inventory Data	Enabled	Status
OTP Token	8142984577510	Yubikey #2573127	2020-10-12 17:15:47	Link [NA]	Add [NA]	5 Data (Software encryption)	<input checked="" type="checkbox"/>	Valid
OTP Token	8142984577511	Yubikey #2573128	2020-10-12 17:15:47	Link [NA]	Add [NA]	5 Data (Software encryption)	<input checked="" type="checkbox"/>	Valid
OTP Token	8142984577587	Yubikey #2573124	2020-08-13 16:09:35	Link [NA]	Add [NA]	5 Data (Software encryption)	<input checked="" type="checkbox"/>	Valid
OTP Token	8142984577588	Yubikey #2573125	2020-10-12 17:15:47	Link [NA]	Add [NA]	5 Data (Software encryption)	<input checked="" type="checkbox"/>	Valid
OTP Token	8142984577589	Yubikey #2573126	2020-10-12 17:15:47	Link [NA]	Add [NA]	5 Data (Software encryption)	<input checked="" type="checkbox"/>	Valid

The Hardware Tokens Registration

Once a token is imported in the inventory database, this inventoried token can be registered very easily:

- > from WebADM by an Administrator
- > from a WebAPP by an End-user.

An inventoried RC200 can be enrolled via the serial number only, a Yubikey by pressing on it or a Yubikey by Manual Registration.

LDAP Server 1 (RCDevs Director) | WebADM Enterprise Edition v2.0.6
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Register / Unregister OTP Tokens for cn=test_user1,o=Root

You must register a Hardware or Software Token for the user to start using it.
 The registration consists in synchronizing a Secret Key and an initial Token state.

1/3 Token is already registered for user:

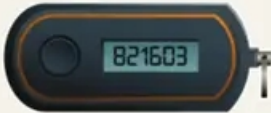
Primary Token **HOTP** Remove Disable

Instructions to register an inventoried Hardware Token:

1. Type the serial number displayed on the back side of the Token.
2. Click the 'Register' button below.

Register Token: Second Token

I use a Hardware Token (Inventoried)
 I use a Yubikey Token (Inventoried or YubiCloud)
 I use a QRCode-based Authenticator (Time-based)
 I use a QRCode-based Authenticator (Event-based)
 I use another Token (Manual Registration)



Token Serial:

Register Cancel

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Register / Unregister OTP Tokens for cn=test_user1,o=Root

You must register a Hardware or Software Token for the user to start using it.
 The registration consists in synchronizing a Secret Key and an initial Token state.

1/3 Token is already registered for user:



Primary Token **HOTP** Remove Disable

Instructions to register an inventoried Yubikey Token:

1. Plug the Yubikey in a USB port on the computer.
2. Press the Yubikey button to finish the registration.

Register Token: Second Token

I use a Hardware Token (Inventoried)
 I use a Yubikey Token (Inventoried or YubiCloud)
 I use a QRCode-based Authenticator (Time-based)
 I use a QRCode-based Authenticator (Event-based)
 I use another Token (Manual Registration)

Cancel

LDAP Server 1 (RCDevs Director)

RCDevs Directory (4)

- dc=WebADM
- o=Root (7)
 - cn=admin
 - cn=ppolicy
 - cn=test_group
 - cn=test_user1
 - cn=test_user2
- ou=groups
- ou=users
- Create / Search
Details / Check
- ou=bercdevs.com
- ou=yorcdevs.com
- Create / Search
Details / Check

WebADM Enterprise Edition v2.0.6

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Register / Unregister OTP Tokens for cn=test_user1,o=Root

You must register a Hardware or Software Token for the user to start using it.
The registration consists in synchronizing a Secret Key and an initial Token state.

1/3 Token is already registered for user:

Primary Token
HOTP
Remove
Disable

Instructions to manually register a new Hardware or Software Token:

1. With Software Tokens, install the Token application and setup a new registration.
2. If the Software Token generates the Secret Key itself then enter the key in the required format below.
The Secret Key size is 20, 32 or 64 bytes (40, 64 or 128 hexadecimal characters).
3. If the Software Token asks for a pre-generated Secret Key, choose 'Key generated by server' in the Key Mode below.
4. Click the 'Register' button below.

Register Token: Second Token

- I use a Hardware Token (Inventoried)
- I use a Yubikey Token (Inventoried or YubiCloud)
- I use a QRCode-based Authenticator (Time-based)
- I use a QRCode-based Authenticator (Event-based)
- I use another Token (Manual Registration)

Token Type: OATH TOTP (Time-Based)

Key Mode: Key generated by Token (Default)

Key Algorithm: SHA1 (Default)

Key Format: Hex (Default)

Secret Key:

Optional Information

Expiration Date: Edit

Register
Cancel

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