

# HARDWARE TOKEN IMPORT

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# Hardware Token Import

[Hardware Tokens](#)

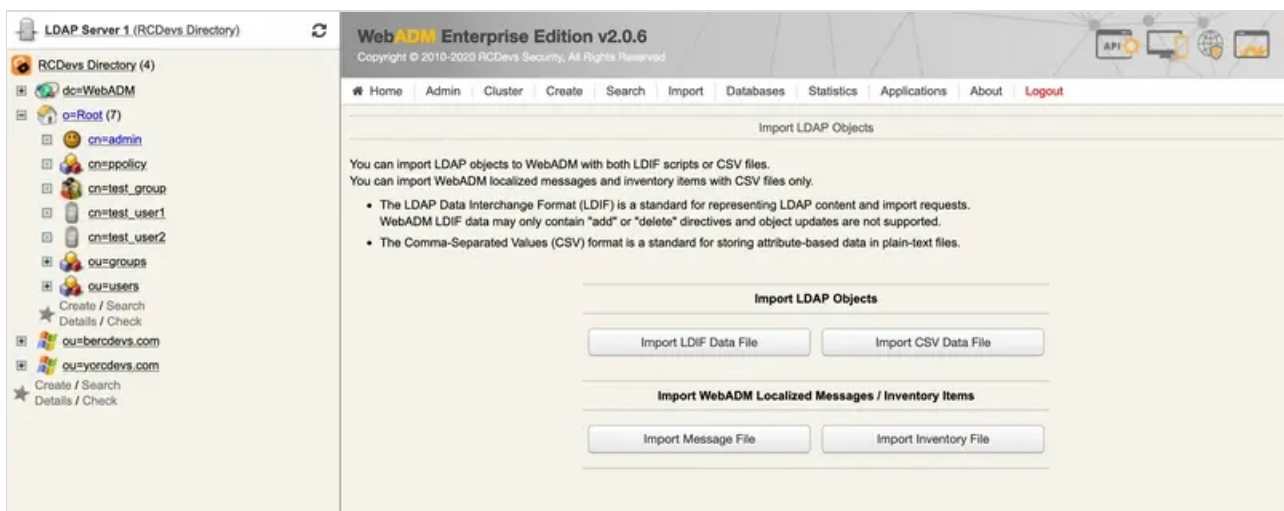
## Inventory For The Hardware Tokens

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*.

LDAP Server 1 (RCDevs Dire

WebADM Enterprise Edition v2.0.6  
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Home Admin Cluster Create Search Import Databases Statistics Applications About Logout

Database Viewer for Inventoried Devices (5 results out of 5 inventory items)

Filters (0)

Item Type Equals Add Filter

Valid Lost Broken Expired Enabled Disabled

Display Options

Retrieve max 1000

Page results 30

Refresh

Inventory Actions

- Delete selected items
- Scope selected items
- Re-encrypt inventory
- Check Links / Scopes
- Import from CSV file
- Export as CSV / XML

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

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

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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 TokenHOTPRemoveDisable

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

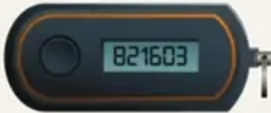
☒ I use a Hardware Token (Inventoried)

☐ 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:

RegisterCancel

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Details / Check

ou=bercdevs.com

ou=yorcdevs.com

Create / Search  
Details / Check

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1/3 Token is already registered for user:

Primary TokenHOTPRemoveDisable

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)

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Create / Search  
Details / Check

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Create / Search  
Details / Check

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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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