



USER SELF- REGISTRATION

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User Self-Registration

[Web-Application](#)

1. Overview

User Self-Registration (SelfReg) application is a web application provided by RCDevs installed on the WebADM server. This application allows users to manage their OTP Token and U2F key enrollment. Users are also able to manage their OTP list, SSH key for SpanKey and TiQR Sign. The SelfReg application is similar to the User Self-Service Desk, the only difference between both applications is that the Self-Registration can be accessed only with a WebADM Administrator request. To allow the user, the Administrator will send a Self-Registration request to the user and this user will receive a one time link to access the application. Once logged on the application, the access link is revoked and the user cannot access the application anymore.

2. Installation

The Self-Registration application is included in the Webam_all_in_one package.

2.1 Install with Redhat Repository

On a RedHat, CentOS or Fedora system, you can use our repository, which simplifies updates. Add the repository:

```
yum install https://www.rcdevs.com/repos/redhat/rcdevs_release-1.0.0-0.noarch.rpm
```

Clean yum cache and install Self-Registration (SelfReg):

```
yum clean all  
yum install selfreg
```

The Self-Registration application is now installed.

2.2 Install with Debian Repository

On a Debian system, you can use our repository, which simplify updates. Add the repository:

```
wget https://www.rcdevs.com/repos/debian/rcdevs-release_1.0.1-0_all.deb  
apt-get install ./rcdevs-release_1.0.1-0_all.deb
```

Clean cache and install Self-Registration (SelfReg):

```
apt-get update
apt-get install selfreg
```

The Self-Registration application is now installed.

2.3 Install Using the Self-Installer

The installation of RB is very simple and is performed in less than 5 minutes. Just download the RB self-installer package on RCDevs website and put the installer file on your server. You can use WinSCP to copy the file to your server. To install RB, log into the server with SSH and run the following commands:

```
gunzip selfreg-1.1.x.sh.gz
bash selfreg-1.1.x.sh
```

3. User Self-Registration

The installation of SelfReg is straightforward and only consists of running the self-installer or install the package through RCDevs repository and configure the application in WebADM.

You do not have to modify any files in the SelfReg install directory! The web applications configurations are managed and stored in LDAP by WebADM. To configure SelfReg, just enter WebADM as super administrator and go to the 'Applications' menu. Click SelfReg to enter the web-based configuration.

SelfReg application logs are accessible in the Databases menu in WebADM.

Note

To be able to use SelfReg, any LDAP user must be a WebADM account. That means usable LDAP accounts are those containing the webadmAccount LDAP object class. You can enable the WebADM features on any LDAP user/group by extending it with the webadmAccount object class (from object extension list).

Inline WebApps:

You can embed a Web app on your website in an HTML iFrame or Object.

#Example

```
<object data="https://<webadm_addr>/webapps/selfreg?inline=1" />
```

4. Graphical Configuration

Once the application is installed, you have to enable it through the WebADM GUI. To Activate it, log in on the WebADM GUI with your super_admin account, click on **Applications** tab, in **Categories** box, on the left, click on **Self-Service**. You should see the Self-Registration application here.



Click on the **REGISTER** button to enable the Application and you can now **CONFIGURE** it.

Under the configuration menu, many settings can be configured as you can see on the screenshots below.



The settings below allow the admin to manage how many tokens can be managed by the user, which features will be allowed on the App, which kind of token the user can enroll...



The SSH key management/renewal can be done through the Self-Registration application too. Below the SSH Key management settings, another part called Mail/SMS Link allows you to configure the Registration URL, the delivery mode (Mail/SMS) and the link expiration time. This URL should be adjusted when you are running the Application through the WAProxy. Otherwise, the users will access the application through the WebADM server directly.

URL example when a user accesses the app through the WebADM server:

`https://webadm_ip/webapps/selfreg/`

URL example when a user accesses the app through the WAProxy: `https://waproxy_ip/selfreg/`



Other settings can be adjusted like you want to...

Click on **Apply** and the configuration is done.

5. Send a Self-Registration Request to a User

To send a self-registration request to a user, you have 2 ways:

- > Auto send a link when the Token user is expired,

This setting is available since the OpenOTP v1.3.12-1. When the user will login and his token is expired, the authentication will fail and a self-reg link will be sent to the user.



- > Manually send a link.

To manually send a self-reg link, go on the WebADM Admin GUI, click on the concerned user on the left tree. In **Application Actions** box, click on **User Self-Registration**.

▬

Click now on **Send Registration Email / SMS**.

▬

You can select the method you want to use to send the request (SMS/Mail) and you can also write a message to the user:

▬

Click on **Send** button and the selfreg request is sent to the user.

The user will receive something like this:

▬

He has to click on the link and will be redirected to the Application.

▬

Log in with his credentials and the user is logged on the application. Now the user can manage what the admin has allowed him to manage.

▬

▬

6. Proxy_user rights for User Self-Registration application

The proxy_user will operate for the end user for every action performed through SelfReg application... That means that the proxy_user account must have the required rights at the AD level to do these actions.

Note

Note that **CN=Users,DC=test,DC=local** used below is the user search base configured under the **WebADM Admin GUI > Admin tab > Local Domains > YOUR_DOMAIN > CONFIGURE > User Search Base** setting.

6.1 Rights for domain user accounts

For domain users, you have to configure the following rights for the proxy_user:

Token registration rights for a not extended schema

```
dsac ls "CN=Users,DC=test,DC=local" /I:T /G 'TEST\proxy_user:WPRP;bootfile'  
dsac ls "CN=Users,DC=test,DC=local" /I:T /G 'TEST\proxy_user:WPRP;bootparameter'
```

Token registration rights for an extended schema

```
dsac ls "CN=Users,DC=test,DC=local" /I:T /G 'TEST\proxy_user:WPRP;webadmsetting'  
dsac ls "CN=Users,DC=test,DC=local" /I:T /G 'TEST\proxy_user:WPRP;webadmdata'
```

6.2 Rights for domain administrator accounts

For domain admin users, you have to configure the rights on the AdminSDHolder object else, rights will be overridden after an hour.

Token registration rights for a not extended schema

```
dsac lsc "CN=AdminSDHolder,CN=System,DC=test,DC=local" /I:T /G  
'TEST\proxy_user:WPRP;bootfile'  
dsac ls "CN=AdminSDHolder,CN=System,DC=test,DC=local" /I:T /G  
'TEST\proxy_user:WPRP;bootparameter'
```

Token registration rights for an extended schema

```
dsac ls "CN=AdminSDHolder,CN=System,DC=test,DC=local" /I:T /G  
'TEST\proxy_user:WPRP;webadmsetting'  
dsac ls "CN=AdminSDHolder,CN=System,DC=test,DC=local" /I:T /G  
'TEST\proxy_user:WPRP;webadmdata'
```

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