



# RCDEVS REPOSITORIES

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## 1. Available repositories

There are three different repositories:

1. stable: which is dedicated to Enterprise and contains packages which are tested and considered as stable.
2. base: which contains released packages with new features not directly consider as stable. After a period of time without issue feedback from customer/free users, they will be released in the stable repository.
3. test: which contains unstable packages including big changes and/or new features

## 2. Add RCDevs Repository on CentOS/RHEL

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

```
yum install https://repos.rcdevs.com/redhat/rcdevs_release-1.1.1-1.noarch.rpm command.
```

```
[root@centos8 ~]# yum install https://repos.rcdevs.com/redhat/rcdevs_release-1.1.1-1.noarch.rpm
```

```
Last metadata expiration check: 0:02:28 ago on Tue 27 Apr 2021 04:36:10 PM CEST.
```

```
rcdevs_release-1.1.1-1.noarch.rpm
```

```
Dependencies resolved.
```

```
=====
```

Package	Architecture	Version	Repository	Size
---------	--------------	---------	------------	------

```
=====
```

```
Installing:
```

rcdevs_release	noarch	1.1.1-1	@commandline	8.2 k
----------------	--------	---------	--------------	-------

```
Transaction Summary
```

```
=====
```

```
Install 1 package
```

```
Total size: 8.2 k
```

```
Installed size: 2.8 k
```

```
Is this ok [y/N]: y
```

```
Downloading Packages:
```

```
Running transaction check
```

```
Transaction check succeeded.
```

```
Running transaction test
```

```
Transaction test succeeded.
```

```
Running transaction
```

```
  Preparing :
```

```
Installing      : rcdevs_release-1.1.1-1.noarch           1/1
```

```
Verifying       : rcdevs_release-1.1.1-1.noarch           1/1
```

```
Installed:
```

```
rcdevs_release-1.1.1-1.noarch
```

```
Complete!
```

```
[root@centos8 ~]#
```

base repo

Per default, only `base` is activated as shown below:

```
[root@centos8 ~]# cat /etc/yum.repos.d/rcdevs.repo
[rcdevs-stable]
name=RCDevs Enterprise Linux Repository - stable
baseurl=https://repos.rcdevs.com/redhat/stable
priority=50
type=rpm
enabled=0
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs

[rcdevs-test]
name=RCDevs Enterprise Linux Repository - test
baseurl=https://repos.rcdevs.com/redhat/test
type=rpm
enabled=0
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs

[rcdevs]
name=RCDevs Enterprise Linux Repository
baseurl=https://repos.rcdevs.com/redhat/base
type=rpm
enabled=1
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs
[root@centos8 ~]#
```

stable repo

## Enterprise License

If an Enterprise License is used then deactivate `base` and activate `stable`:

```
[root@centos8 ~]# cat /etc/yum.repos.d/rcdevs.repo
[rcdevs-stable]
name=RCDevs Enterprise Linux Repository - stable
baseurl=https://repos.rcdevs.com/redhat/stable
priority=50
type=rpm
enabled=1
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs

[rcdevs-test]
name=RCDevs Enterprise Linux Repository - test
baseurl=https://repos.rcdevs.com/redhat/test
type=rpm
enabled=0
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs

[rcdevs]
name=RCDevs Enterprise Linux Repository
baseurl=https://repos.rcdevs.com/redhat/base
type=rpm
enabled=0
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs
[root@centos8 ~]#
```

test repo

If Testing Releases are needed then activate `test` and `base` :

```
[root@centos8 ~]# cat /etc/yum.repos.d/rcdevs.repo
[rcdevs-stable]
name=RCDevs Enterprise Linux Repository - stable
baseurl=https://repos.rcdevs.com/redhat/stable
priority=50
type=rpm
enabled=0
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs

[rcdevs-test]
name=RCDevs Enterprise Linux Repository - test
baseurl=https://repos.rcdevs.com/redhat/test
type=rpm
enabled=1
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs

[rcdevs]
name=RCDevs Enterprise Linux Repository
baseurl=https://repos.rcdevs.com/redhat/base
type=rpm
enabled=1
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs
[root@centos8 ~]#
```

## update

Update the Repository list with the `yum clean all` and `yum update` command:

```
[root@centos8 ~]# yum clean all
26 files removed
[root@centos8 ~]# yum update
CentOS Linux 8 - AppStream          5.0 MB/s | 6.3 MB   00:01
CentOS Linux 8 - BaseOS            5.9 MB/s | 2.3 MB   00:00
CentOS Linux 8 - Extras            8.1 kB/s | 9.6 kB   00:01
RCDevs Enterprise Linux Repository 534 kB/s | 79 kB    00:00
Dependencies resolved.
Nothing to do.
Complete!
[root@centos8 ~]#
```

## package installation

Now you are able to install RCDevs packages on your system with the `yum install <packages>` command:

```
[root@centos8 ~]# yum install webadm_all_in_one
```

```
Last metadata expiration check: 0:00:54 ago on Wed 28 Apr 2021 10:40:08 AM CEST.
```

```
Dependencies resolved.
```

```
=====
```

Package	Architecture	Version	Repository	Size
---------	--------------	---------	------------	------

```
=====
```

```
Installing:
```

webadm_all_in_one	noarch	1.0.1-0	rcdevs	2.0 k
-------------------	--------	---------	--------	-------

```
Installing dependencies:
```

openid	noarch	1.4.11-1	rcdevs	10 M
openotp	noarch	1.5.10-1	rcdevs	13 M
pwreset	noarch	1.1.2-1	rcdevs	1.3 M
selfdesk	noarch	1.2.3-1	rcdevs	2.6 M
selfreg	noarch	1.2.3-1	rcdevs	4.3 M
smshub	noarch	1.2.3-1	rcdevs	1.5 M
spankey	noarch	2.0.14-1	rcdevs	13 M
webadm	x86_64	2.0.18-2	rcdevs	169 M

```
Transaction Summary
```

```
=====
```

```
Install 9 Packages
```

```
Total download size: 215 M
```

```
Installed size: 362 M
```

```
Is this ok [y/N]: y
```

```
Downloading Packages:
```

(1/9): pwreset-1.1.2-1.noarch.rpm	3.8 MB/s   1.3 MB	00:00
(2/9): selfdesk-1.2.3-1.noarch.rpm	4.2 MB/s   2.6 MB	00:00
(3/9): openotp-1.5.10-1.noarch.rpm	9.8 MB/s   13 MB	00:01
(4/9): smshub-1.2.3-1.noarch.rpm	5.7 MB/s   1.5 MB	00:00
(5/9): selfreg-1.2.3-1.noarch.rpm	5.5 MB/s   4.3 MB	00:00
(6/9): openid-1.4.11-1.noarch.rpm	4.9 MB/s   10 MB	00:02
(7/9): webadm_all_in_one-1.0.1-0.noarch.rpm	136 kB/s   2.0 kB	00:00
(8/9): spankey-2.0.14-1.noarch.rpm	6.5 MB/s   13 MB	00:01
(9/9): webadm-2.0.18-2.x86_64.rpm	12 MB/s   169 MB	00:14

```
-----  
Total 13 MB/s | 215 MB 00:16
```

```
warning: /var/cache/dnf/rcdevs-8ec0365c29b56a52/packages/openid-1.4.11-1.noarch.rpm: Header V4  
RSA/SHA256 Signature, key ID 15883005: NOKEY
```

```
RCDevs Enterprise Linux Repository 1.6 MB/s | 1.7 kB 00:00
```

```
Importing GPG key 0x15883005:
```

```
Userid : "RCDevs SA <info@rcdevs.com>"
```

```
Fingerprint: 5FAB 1C62 DB2D CCDE B0E1 D42B 2FB3 5ED5 1588 3005
```

```
From : /etc/pki/rpm-gpg/RPM-GPG-KEY-rcdevs
```

```

Is this ok [y/N]: y
Key imported successfully
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      :                               1/1
  Running scriptlet: webadm-2.0.18-2.x86_64      1/9
  Installing      : webadm-2.0.18-2.x86_64      1/9
  Running scriptlet: webadm-2.0.18-2.x86_64      1/9
Please run /opt/webadm/bin/setup.

Running scriptlet: openid-1.4.11-1.noarch      2/9
Installing      : openid-1.4.11-1.noarch      2/9
Running scriptlet: openid-1.4.11-1.noarch      2/9
Running scriptlet: openotp-1.5.10-1.noarch     3/9
Installing      : openotp-1.5.10-1.noarch     3/9
Running scriptlet: openotp-1.5.10-1.noarch     3/9
Running scriptlet: pwreset-1.1.2-1.noarch      4/9
Installing      : pwreset-1.1.2-1.noarch      4/9
Running scriptlet: pwreset-1.1.2-1.noarch      4/9
Running scriptlet: selfdesk-1.2.3-1.noarch     5/9
Installing      : selfdesk-1.2.3-1.noarch     5/9
Running scriptlet: selfdesk-1.2.3-1.noarch     5/9
Running scriptlet: selfreg-1.2.3-1.noarch     6/9
Installing      : selfreg-1.2.3-1.noarch     6/9
Running scriptlet: selfreg-1.2.3-1.noarch     6/9
Running scriptlet: smshub-1.2.3-1.noarch      7/9
Installing      : smshub-1.2.3-1.noarch      7/9
Running scriptlet: smshub-1.2.3-1.noarch      7/9
Running scriptlet: spankey-2.0.14-1.noarch     8/9
Installing      : spankey-2.0.14-1.noarch     8/9
Running scriptlet: spankey-2.0.14-1.noarch     8/9
Installing      : webadm_all_in_one-1.0.1-0.noarch 9/9
Verifying      : openid-1.4.11-1.noarch      1/9
Verifying      : openotp-1.5.10-1.noarch     2/9
Verifying      : pwreset-1.1.2-1.noarch      3/9
Verifying      : selfdesk-1.2.3-1.noarch     4/9
Verifying      : selfreg-1.2.3-1.noarch     5/9
Verifying      : smshub-1.2.3-1.noarch      6/9
Verifying      : spankey-2.0.14-1.noarch     7/9
Verifying      : webadm-2.0.18-2.x86_64      8/9
Verifying      : webadm_all_in_one-1.0.1-0.noarch 9/9

```

Installed:

```

  openid-1.4.11-1.noarch  openotp-1.5.10-1.noarch  pwreset-1.1.2-1.noarch  selfdesk-1.2.3-1.noarch
selfreg-1.2.3-1.noarch
  smshub-1.2.3-1.noarch  spankey-2.0.14-1.noarch  webadm-2.0.18-2.x86_64  webadm_all_in_one-
1.0.1-0.noarch

```



```
1.0.1-0.noarch
```

```
Complete!
```

```
[root@centos8 ~]#
```

### 3. Add RCDevs Repository on Debian/Ubuntu

On a Debian and Ubuntu system, you can use our repository, which simplifies updates. Download the repository file with the `https://repos.rcdevs.com/debian/rcdevs-release_1.1.0-1_all.deb` command:

```
root@debian:~# wget https://repos.rcdevs.com/debian/rcdevs-release_1.1.0-1_all.deb
--2022-11-02 10:59:59-- https://repos.rcdevs.com/debian/rcdevs-release_1.1.0-1_all.deb
Resolving repos.rcdevs.com (repos.rcdevs.com)... 146.59.204.189
Connecting to repos.rcdevs.com (repos.rcdevs.com)|146.59.204.189|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2544 (2.5K) [application/vnd.debian.binary-package]
Saving to: 'rcdevs-release_1.1.1-1_all.deb'

rcdevs-release_1.1.0-1_all.deb
100%[=====]
2.48K --.-KB/s   in 0s

2022-11-02 10:59:59 (364 MB/s) - 'rcdevs-release_1.1.0-1_all.deb' saved [2544/2544]
```

and install repository with `apt install ./rcdevs-release_1.1.0-1_all.deb`

```
root@debian11:~# dpkg -i ./rcdevs-release_1.1.0-1_all.deb
(Reading database ... 118439 files and directories currently installed.)
Preparing to unpack .../rcdevs-release_1.1.0-1_all.deb ...
Unpacking rcdevs-release 1.1.0-1) over (1.1.0-1) ...
Setting up rcdevs-release (1.1.0-1) ...
```

#### base repo

Per default, only `base` is activated as shown below:

```
root@debian11:~# cat /etc/apt/sources.list.d/rcdevs.list
#deb https://repos.rcdevs.com/debian/stable ./
#deb https://repos.rcdevs.com/debian/test ./
deb https://repos.rcdevs.com/debian/base ./
```

#### stable repo

## ⚠ Enterprise License

If an Enterprise License is used then deactivate `base` and activate `stable`:

```
root@debian11:~# cat /etc/apt/sources.list.d/rcdevs.list
deb https://repos.rcdevs.com/debian/stable ./
#deb https://repos.rcdevs.com/debian/test ./
#deb https://repos.rcdevs.com/debian/base ./
```

### test repo

If Testing Releases are needed then activate `test` and `base`:

```
root@debian11:~# cat /etc/apt/sources.list.d/rcdevs.list
#deb https://repos.rcdevs.com/debian/stable ./
deb https://repos.rcdevs.com/debian/test ./
deb https://repos.rcdevs.com/debian/base ./
```

### update

Update the Repository list with the `apt update` command:

```
root@debian11:~# apt update
Hit:1 http://lu.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://lu.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:4 http://lu.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:5 http://lu.archive.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:6 http://lu.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [2,196 kB]
Get:3 http://www.rcdevs.com/repos/debian/base ./ InRelease [1,091 B]
Get:7 http://www.rcdevs.com/repos/debian/base ./ Packages [16.9 kB]
Fetched 2,550 kB in 3s (793 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
33 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

### package installation

Now you are able to install RCDevs packages on your system with the `apt install <packages>` command:

```
root@debian11:~# apt install webadm-all-in-one
Reading package lists... Done
```

Building dependency tree... Done

Reading state information... Done

The following additional packages will be installed:

openid openotp pwreset selfdesk selfreg smshub spankey webadm

The following NEW packages will be installed:

openid openotp pwreset selfdesk selfreg smshub spankey webadm webadm-all-in-one

0 upgraded, 9 newly installed, 0 to remove and 1 not upgraded.

Need to get 216 MB of archives.

After this operation, 397 MB of additional disk space will be used.

Do you want to continue? [Y/n]

Get:1 https://repos.rcdevs.com/debian/base ./ openid 1.4.16-3 [10.1 MB]

Get:2 https://repos.rcdevs.com/debian/base ./ openotp 2.1.2-3 [13.7 MB]

Get:3 https://repos.rcdevs.com/debian/base ./ pwreset 1.1.5-2 [1365 kB]

Get:4 https://repos.rcdevs.com/debian/base ./ selfdesk 1.2.9-2 [2785 kB]

Get:5 https://repos.rcdevs.com/debian/base ./ selfreg 1.2.6-1 [4477 kB]

Get:6 https://repos.rcdevs.com/debian/base ./ smshub 1.2.4-1 [1544 kB]

Get:7 https://repos.rcdevs.com/debian/base ./ spankey 2.0.19-1 [13.3 MB]

Get:8 https://repos.rcdevs.com/debian/base ./ webadm 2.1.11-2 [169 MB]

Get:9 https://repos.rcdevs.com/debian/base ./ webadm-all-in-one 1.0.1-0 [1090 B]

Fetched 216 MB in 8s (28.0 MB/s)

debconf: delaying package configuration, since apt-utils is not installed

Selecting previously unselected package openid.

(Reading database ... 7084 files and directories currently installed.)

Preparing to unpack .../0-openid\_1.4.16-3\_all.deb ...

Unpacking openid (1.4.16-3) ...

Selecting previously unselected package openotp.

Preparing to unpack .../1-openotp\_2.1.2-3\_all.deb ...

Unpacking openotp (2.1.2-3) ...

Selecting previously unselected package pwreset.

Preparing to unpack .../2-pwreset\_1.1.5-2\_all.deb ...

Unpacking pwreset (1.1.5-2) ...

Selecting previously unselected package selfdesk.

Preparing to unpack .../3-selfdesk\_1.2.9-2\_all.deb ...

Unpacking selfdesk (1.2.9-2) ...

Selecting previously unselected package selfreg.

Preparing to unpack .../4-selfreg\_1.2.6-1\_all.deb ...

Unpacking selfreg (1.2.6-1) ...

Selecting previously unselected package smshub.

Preparing to unpack .../5-smshub\_1.2.4-1\_all.deb ...

Unpacking smshub (1.2.4-1) ...

Selecting previously unselected package spankey.

Preparing to unpack .../6-spankey\_2.0.19-1\_all.deb ...

Unpacking spankey (2.0.19-1) ...

Selecting previously unselected package webadm.

Preparing to unpack .../7-webadm\_2.1.11-2\_amd64.deb ...

Unpacking webadm (2.1.11-2) ...

Selecting previously unselected package webadm-all-in-one.

Preparing to unpack .../8-webadm-all-in-one\_1.0.1-0\_all.deb ...

Unpacking webadm-all-in-one (1.0.1-0) ...

Setting up selfdesk (1.2.9-2) ...  
 Setting up webadm (2.1.11-2) ...  
 WebADM Server needs to be configured.  
 Please run /opt/webadm/bin/setup.  
 Setting up openid (1.4.16-3) ...  
 Setting up selfreg (1.2.6-1) ...  
 Setting up pwreset (1.1.5-2) ...  
 Setting up smshub (1.2.4-1) ...  
 Setting up openotp (2.1.2-3) ...  
 Setting up spankey (2.0.19-1) ...  
 Setting up webadm-all-in-one (1.0.1-0) ...

## 4. Available Packages

Package name	Type	Description	Part of all-in-one package?
RHEL: <b>webadm_all_in_one</b> Debian: <b>webadm-all-in-one</b>		WebADM Server for Linux with all web services and web applications	
<b>webadm</b>	Server	WebADM Server for Linux	Yes
<b>openotp</b>	Web Services	MFA Authentication Server	Yes
<b>opensso</b>	Web Services	Single Sign-On Server	Yes
<b>smshub</b>	Web Services	SMS Hub Server	Yes
<b>spankey</b>	Web Services	SSH Public Key Server	Yes
<b>tiqr</b>	Web Services	QR Login & Signing Server	Yes
<b>openid</b>	Web Applications	OpenID & SAML Provider	Yes
<b>pwreset</b>	Web Applications	LDAP Password Reset	Yes
<b>selfdesk</b>	Web Applications	User Self Service Desk	Yes
<b>selfreg</b>	Web Applications	User Self Registration	Yes
<b>helpdesk</b>	Web Applications	Administration Help Desk	Yes
<b>waproxy</b>	Web Server	WebADM Publishing Proxy	No
<b>radiusd</b>	Authentication server	OpenOTP RADIUS Bridge	No

<b>ldproxy</b>	Authentication server	OpenOTP LDAP Bridge	No
RHEL: <b>slapd</b> Debian: <b>rcdevs-slapd</b>	LDAP server	Directory Server	No
<b>mfavpn</b>	VPN server	MFA VPN Server	No
RHEL: <b>pam_openotp</b> Debian: <b>pam-openotp</b>	Plugin	OpenOTP PAM Module	No
RHEL: <b>pam_openotp_openssl10</b> Debian: <b>pam-openotp-openssl10</b>	Plugin	OpenOTP PAM Module with openssl included	No
RHEL: <b>spankey_client</b> Debian: <b>spankey-client</b>	Plugin	SSH Public Key Client	No
<b>hsmhubd</b>		HSMHub Server	No
RHEL: <b>rcdevs_libs</b> Debian: <b>rcdevs-lib</b>	Library	RCDevs Libraries	No
RHEL: <b>rcdevs_release</b> Debian: <b>rcdevs-release</b>	Repository	RCDevs Repository	No

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