

Software Version Management

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This document applies to V2.9

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General Information

Summary

To upgrade RouterOS to a more recent version, you can simply transfer the packages to router via ftp, using the **binary** transfer mode, and then just rebooting the router.

This manual discusses a more advanced method how to upgrade a router automatically. If you have more than one router then this can be useful.

Specifications

Packages required: *system*

License required: *level1*

Home menu level: */system upgrade*

Standards and Technologies: *None*

Hardware usage: *Not significant*

System Upgrade

Home menu level: */system upgrade*

Related Documents

- [Software Package Management](#)
- [License Management](#)

Description

In this submenu you can see available packages and are able to choose which to install from a remote router.

At first you upload new packages to the router via ftp, using the **binary** data transfer mode. Then (from another router, which you will upgrade) add the router's IP on which are the packages listed in the **/system upgrade upgrade-package-source** list. Afterwards, you type **/system upgrade refresh** to update the available package list. To see all available packages, choose **/system upgrade print** command.

Property Description

download - download packages from list by specifying their numbers

download-all - download all packages that are needed for the upgrade (packages which are available in '/system package print' list)

name (*read-only: name*) - package name

refresh - updates currently available package list

source (*read-only: IP address*) - source IP address of the router from which the package list entry is retrieved

status (*read-only: available | scheduled | downloading | downloaded | installed*) - package status

version (*read-only: text*) - version of the package

Example

See the available packages:

```
[admin@MikroTik] system upgrade> print
# SOURCE          NAME          VERSION  STATUS      COMPLETED
0 192.168.25.8     advanced-tools 2.9       available
1 192.168.25.8     dhcp          2.9       available
2 192.168.25.8     hotspot       2.9       available
3 192.168.25.8     isdn          2.9       available
4 192.168.25.8     ntp           2.9       available
5 192.168.25.8     ppp           2.9       available
6 192.168.25.8     routerboard   2.9       available
7 192.168.25.8     routing       2.9       available
8 192.168.25.8     security      2.9       available
9 192.168.25.8     synchronous   2.9       available
10 192.168.25.8    system        2.9       available
11 192.168.25.8    telephony     2.9       available
12 192.168.25.8    ups           2.9       available
13 192.168.25.8    web-proxy     2.9       available
14 192.168.25.8    wireless     2.9       available
[admin@MikroTik] system upgrade>
```

To upgrade chosen packages:

```
[admin@MikroTik] system upgrade> download 0,1,2,5,6,7,8,9,10,13,14
[admin@MikroTik] system upgrade> print
# SOURCE          NAME          VERSION  STATUS      COMPLETED
0 192.168.25.8     advanced-tools 2.9       downloaded
1 192.168.25.8     dhcp          2.9       downloading 16 %
2 192.168.25.8     hotspot       2.9       scheduled
3 192.168.25.8     isdn          2.9       available
4 192.168.25.8     ntp           2.9       available
5 192.168.25.8     ppp           2.9       scheduled
6 192.168.25.8     routerboard   2.9       scheduled
```

```

 7 192.168.25.8    routing      2.9         scheduled
 8 192.168.25.8    security    2.9         scheduled
 9 192.168.25.8    synchronous 2.9         scheduled
10 192.168.25.8    system      2.9         scheduled
11 192.168.25.8    telephony   2.9         available
12 192.168.25.8    ups         2.9         available
13 192.168.25.8    web-proxy   2.9         scheduled
14 192.168.25.8    wireless    2.9         scheduled
[admin@MikroTik] system upgrade>

```

Adding Package Source

Home menu level: */system upgrade upgrade-package-source*

Description

Here can you specify IP address, username and password of the remote hosts from which you will be able to get packages.

Property Description

address (*IP address*) - source IP address of the router from which the package list entry will be retrieved

user (*text*) - username of the remote router

Notes

After specifying a remote router in '/system upgrade upgrade-package-source', you can type '/system upgrade refresh' to refresh the package list and '/system upgrade print' to see all available packages.

Adding an upgrade source you will be prompted for a password.

Example

To add a router, with username **admin** and no password, from which the packages will be retrieved:

```

[admin@MikroTik] system upgrade upgrade-package-source> print
# ADDRESS      USER
0 192.168.25.8  admin
[admin@MikroTik] system upgrade upgrade-package-source>

```