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How To Upgrade FreeBSD 7.0 to 7.1 Stable Release

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Q. How do I upgrade FreeBSD 7.0 server to latest 7.1 server with stock GENERIC kernel installed? [1]

A. The freebsd-update utility supports binary upgrades of i386 and amd64 systems running earlier FreeBSD releases. Systems running 7.0-RELEASE, 7.1-BETA, 7.1-BETA2, 7.1-RC1, or 7.1-RC2 can be only upgrade as follows.

Login as root user and type the command:

> ⚠ **WARNING!** These examples may crash your server if not executed with care. Upgrading system is a complex procedure. Backup your data, config file and make sql dumps before you use the following instructions. If you are using custom kernel configuration, you need to perform source code update using cvsup method [2].

```
# freebsd-update upgrade -r 7.1-RELEASE
```

During this process, FreeBSD Update may ask the user to help by merging some configuration files or by confirming that the automatically performed merging was done correctly.

```
# freebsd-update install
```

The system must be rebooted with the newly installed kernel before continuing.

```
# reboot
```

After rebooting, freebsd-update needs to be run again to install the new userland components, and the system needs to be rebooted again:

```
# freebsd-update install
```

Users of Intel network interfaces which are changing their name from "em" to "igb" should make necessary changes to configuration files BEFORE running freebsd-update, since otherwise the network interface will not be configured appropriately after rebooting for the first time, especially firewall and other networking options in /etc/rc.conf file.

```
# reboot
```

Users of earlier FreeBSD releases (FreeBSD 6.x) can also use freebsd-update to upgrade to FreeBSD 7.1 [3], but will be prompted to rebuild all third-party applications (e.g., anything installed from the ports tree) after the second invocation of "freebsd-update install", in order to handle differences in the system libraries between FreeBSD 6.x and FreeBSD 7.x.

Upgrade all packages

You also need to update all packages, type:

```
# portsnap fetch update
# pkg_version -vIL=
# portupgrade -a
```

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URLs in this post:

[1] Image: **http://www.cyberciti.biz/faq/category/freebsd/**
[2] using cvsup method: **http://www.cyberciti.biz/faq/how-to-upgrade-freebsd-to-new-release/**
[3] FreeBSD releases (FreeBSD 6.x) can also use freebsd-update to upgrade to FreeBSD 7.1: **http://www.cyberciti.biz/faq/upgrade-freebsd-server-software/**