

Upgrading to CentOS 7.7



CentOS

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[CentOS 7.7](#) has just been released a few days ago and with any luck CentOS 8 will be released next week. I decided to quickly upgrade one of my dedicated servers from CentOS 7.6 to CentOS 7.7.

Confirm CentOS Version

Just a couple of steps to check what CentOS release we're running:

```
root@s2:~ # cat /etc/redhat-release  
CentOS Linux release 7.6.1810 (Core)
```

There should also be a package reflecting CentOS release already installed on your system. This package will be upgraded along with the rest of the OS when we're stepping up to [CentOS 7.7](#):

```
root@s2:~ # rpm -qa | grep centos-release
centos-release-7-6.1810.2.el7.centos.x86_64
```

Check Available CentOS Upgrades

yum command has the check-update option for verifying if any packages are available for updating:

```
root@s2:~ # yum check-update
```

This will return a rather long list. To be super-sure we'll actually get the CentOS 7.7 upgrade, look for the same centos-release package:

```
root@s2:~ # yum check-update | grep centos-release
7-7.1908.0.el7.centos          centos-release.x86_64
                               base
```

Upgrade CentOS 7.6 to CentOS 7.7

We need the **yum update** command here. After you run it it will resolve dependencies and report something like this, prompting for your confirmation:

Transaction Summary

=====

=

Install 3 Packages (+25 Dependent packages)

Upgrade 406 Packages

Total download size: 577 M

Is this ok [y/d/N]:

Sounds about right! We'll press Y and let the server download and apply all the updates...

On my hosting it took about 1min to download all the packages!

Transaction Summary

```
=====
=
Install      3 Packages (+25 Dependent packages)
Upgrade    406 Packages
Total download size: 577 M
Is this ok [y/d/N]:
Downloading packages:
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
   Updating          :    libgcc-4.8.5-39.el7.x86_64
1/841
   Installing       :  urw-base35-fonts-common-20170801-10.el7.noarch
2/841
   Updating         :  1:grub2-common-2.02-0.80.el7.centos.noarch
3/841
   Updating         :  centos-release-7-7.1908.0.el7.centos.x86_64
4/841
   Updating         :    langtable-0.0.31-4.el7.noarch
5/841
   Updating        :  libreport-filesystem-2.1.11-43.el7.centos.x86_64
6/841
...
yum-plugin-fastestmirror.noarch      0:1.1.31-52.el7
yum-utils.noarch 0:1.1.31-52.el7
Replaced:
  urw-fonts.noarch 0:2.4-16.el7
```

Complete!

It took less than 10 min to apply all the package updates, so the only things left are to capture current kernel version before and after the reboot:

```
root@s2:/ # uname -a  
Linux s2 3.10.0-957.5.1.el7.x86_64 #1 SMP Fri Feb 1 14:54:57  
UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
```

Now let's reboot:

```
root@s2:/ # shutdown -r now
```

... and confirm that we're running newer Linux Kernel and sporting the **CentOS 7.7 release** now:

```
greys@s2:~ $ uname -a  
Linux s2 3.10.0-1062.1.1.el7.x86_64 #1 SMP Fri Sep 13 22:55:44  
UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
```

Hmmm. This does look a bit conservative! It's 3.10 branch of Linux kernel whereby desktop releases are sporting Linux Kernel 5.x already.

Anyway, that's **server s2 upgraded to CentOS 7.7 successfully!**

We're certainly running the **CentOS 7.7 release** now:

```
greys@s2:~ $ cat /etc/redhat-release  
CentOS Linux release 7.7.1908 (Core)
```

See Also

- [CentOS Linux](#)
- [RHEL8](#)
- [screenfetch in CentOS](#)
- [How To: install Kernel Source Code in CentOS/Red Hat](#)
- [Remove Old Kernels in CentOS](#)
- [Disable PortMapper in CentOS](#)
- [5 Ways to Check CentOS version](#)