**RHEL7: Start, stop, and check the status of network services.**

**Presentation**

Even though this topic seems very simple, you need to fully understand all its details.

Also, there is a kind of compatibility between the **RHEL 6** **service** command and the **RHEL 7 systemctl** command: **service** daemon cmd => **systemctl** cmd daemon

**Basic Service Management**

To start a network service (here **httpd**), type:

# **systemctl start httpd**

Note: In addition, a service can be restarted with the **restart** option or only reloaded with the **reload** option.

To stop a network service (here **httpd**), type:

# **systemctl stop httpd**

To check if a network service (here **httpd**) is running, type:

# **systemctl is-active httpd**

unknown

Note: If the service is running, you get **active**.

To activate a network service at boot (here **httpd**), type:

# **systemctl enable httpd**

ln -s '/usr/lib/systemd/system/httpd.service' '/etc/systemd/system/multi-user.target.wants/httpd.service'

Note1: Use the **disable** option to inactivate a network service at boot.  
Note2: **Systemd** uses a link mechanism to manage this feature.

To check if a network service (here **httpd**) is enabled at boot, type:

# **systemctl is-enabled httpd**

disabled

Note: If the service is enabled at boot, you get **enabled**.

To check the status of a network service (here **httpd**), type:

# **systemctl status httpd**

httpd.service - **The Apache HTTP Server**

   Loaded: **loaded** (**/usr/lib/systemd/system/httpd.service**; **enabled**)

   Active: **active** (running) since **Fri 2015-06-19 16:47:18 CEST; 6min ago**

 Main PID: **3868** (httpd)

   Status: "**Total requests: 0; Current requests/sec: 0; Current traffic:   0 B/sec**"

   CGroup: **/system.slice/httpd.service**

           └─3868 /usr/sbin/httpd -DFOREGROUND

           └─3869 /usr/sbin/httpd -DFOREGROUND

           └─3870 /usr/sbin/httpd -DFOREGROUND

           └─3871 /usr/sbin/httpd -DFOREGROUND

           └─3872 /usr/sbin/httpd -DFOREGROUND

           └─3873 /usr/sbin/httpd -DFOREGROUND

Jun 19 16:47:18 server1.example.com systemd[1]: Starting The Apache HTTP Ser....

Jun 19 16:47:18 server1.example.com systemd[1]: Started The Apache HTTP Server.

Hint: Some lines were ellipsized, use -l to show in full.

Note: There are many information available through this command, learn to use them.

**Advanced Service Management**

To permanently disable a service (here **httpd**), type:

# **systemctl mask httpd**

ln -s '/dev/null' '/etc/systemd/system/httpd.service'

Note1: Masking a service prevents it from starting even if it is **socket-activated** or **dbus-activated**.  
Note2: Use the **unmask** option to enable the service again.