Red Hat System Administration I

UNIT 8

Controlling Services and Daemons

Objectives

- **List system daemons and network services started by the systemd service and socket units.**

- **Control system daemons and network services using systemctl.**

Introduction to systemd

- **systemd is a init process**
- **systemctl command to control services**
  - **systemctl start|stop|restart|status services**

Service states

Keyword:	Description:
loaded	Unit configuration file has been processed.
active (running)	Running with one or more continuing processes.
active (exited)	Successfully completed a one-time configuration.
active (waiting)	Running but waiting for an event.
inactive	Not running.
enabled	Will be started at boot time.
disabled	Will not be started at boot time.
static	Can not be enabled, but may be started by an enabled unit automatically.

Controlling System Services

- **Enabling system daemons to start or stop at boot**
  - **systemctl enable service**
  - **system disable service**
- **Starting and stopping system daemons on a running system**
  - **systemctl start service**
  - **systemctl stop service**

Summary of systemctl commands

Task:	Command:
View detailed information about a unit state.	**systemctl status** *UNIT*
Stop a service on a running system.	**systemctl stop** *UNIT*
Start a service on a running system.	**systemctl start** *UNIT*
Restart a service on a running system.	**systemctl restart** *UNIT*
Reload configuration file of a running service.	**systemctl reload** *UNIT*
Completely disable a service from being started, both manually and at boot.	**systemctl mask** *UNIT*
Make a masked service available.	**systemctl unmask** *UNIT*
Configure a service to start at boot time.	**systemctl enable** *UNIT*
Disable a service from starting at boot time.	**systemctl disable** *UNIT*
List units which are required and wanted by the specified unit.	**systemctl list-dependencies** *UNIT*

Lab

<lab 1>
Start the psacct
<lab 2>
Configure the psacct service so that it starts at system boot
<lab 3>
Stop the rsyslog service
<lab 4>
Configure the rsyslog service so that it does not start at system boot
<lab 5>
Reboot the system. then run lab services grade to verify the configuration

That's all