

<b>CONTROL SERVICES AND DAEMONS</b>	
<b>DESCRIPTION</b>	<b>COMMANDS / OPTIONS</b>
INTRODUCTION TO systemd	<p>The systemd daemon manages startup for Linux, including service startup and service management in general.</p> <p>Daemons are processes that either wait or run in the background, performing various tasks.</p>
DESCRIBING SERVICE UNITS	<p>systemd uses units to manage different types of objects</p> <p><b>Service units</b> have a .service extension and represent system services. This type of unit is used to start frequently accessed daemons, such as a web server.</p> <p><b>Socket units</b> have a .socket extension and represent inter-process communication (IPC) sockets that systemd should monitor.</p> <p><b>Path units</b> have a .path extension and are used to delay the activation of a service until a specific file system change occurs.</p> <p>The <b>systemctl command is used to manage units</b></p>
Service Unit Information	<p><b>Loaded :</b> Whether the service unit is loaded into memory</p> <p><b>Active:</b> Whether the service unit is running and if so, how long it has been running.</p> <p><b>Main PID:</b> The main process ID of the service, including the command name.</p> <p><b>Status:</b> Additional information about the service.</p>
Service States in the Output of systemctl	<p><b>loaded:</b> Unit configuration file has been processed.</p> <p><b>active (running)</b> Running with one or more continuing processes.</p> <p><b>active (exited)</b> Successfully completed a one-time configuration.</p> <p><b>active (waiting)</b> Running but waiting for an event.</p> <p><b>inactive</b> Not running.</p> <p><b>enabled</b> Is started at boot time.</p> <p><b>disabled</b> Is not set to be started at boot time.</p> <p><b>static</b> Cannot be enabled, but may be started by an enabled unit automatically.</p>

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To explore the system's current state	<p><b>systemctl [command] [service]</b></p> <p><b>To lists all currently loaded service units.</b>  list-units - -type=service - -all</p> <p><b>To View service status</b>  status name.type  <b>Example:</b> systemctl status dhcpd.service</p> <p><b>To verify whether a service unit is active</b>  is-active name.type  is-enable name.type  stop UNIT name.type  start UNIT name.type  restart UNIT name.type</p> <p><b>Reload the configuration file of a running Service.</b>  reload UNIT name.type</p> <p><b>Disable service from being started, manually and at boot.</b>  mask UNIT name.type</p> <p><b>Make a masked service available.</b>  unmask UNIT name.type  enable UNIT name.type  disable UNIT name.type</p>