



MODULAR SOFTWARE ARCHITECTURE

The table gives a brief overview of each of the main Junos OS processes.

Process	Name	Description
Routing Protocol Process	rpd	Controls the routing protocols that run on the device. Its functionality includes all protocol messages, routing table updates, and implementation of routing policies. The routing protocol process starts all configured routing protocols and handles all routing messages.
Interface process	dcd	Configures and monitors network interfaces by defining physical characteristics such as link encapsulation, hold times, and keepalive timers.
Chassis process	chassisd	Monitors the physical status of hardware components and field-replaceable units (FRUs), detecting when environment sensors such as temperature sensors are triggered.
Forwarding process	pfed	Defines how routing protocols operate on the device. The overall performance of the device is largely determined by the effectiveness of the forwarding process.
Simple Network Management Protocol (SNMP) process	snmpd	Enables the monitoring of network devices from a central location and provides the device's SNMP primary agent.
Management process	mgd	Provides communication between the other processes and an interface to the configuration database. Interacts with the other processes when commands are issued through one of the user interfaces on the device.

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