

Potential Memory Leak

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Potential Memory Leak

ICSeverity

4 - Warning

Impact

Memory leak can lead to device crash.

Description

The memory use of a process increases over time, and not released, can eventually cause the operating system to run out of memory. If the system runs out of memory, it can crash. Review defect Cisco bug ID [CSCsw33723](#) for additional information and examples of commands with large outputs that contribute to this condition. The warning threshold is 90%.

SyslogMessage

```
PLATFORM-4-ELEMENT_WARNING
```

MessageSample

```
Apr 10:10:10 <<ipaddress>> %PLATFORM-4-ELEMENT_WARNING: Switch 1 R0/0: smand: 1/RP/0: Used Memory value
```

ProductFamily

- Cisco Catalyst 9200 Series Switches

- Cisco Catalyst 9300 Series Switches
- Cisco Catalyst 9400 Series Switches
- Cisco Catalyst 9500 Series Switches
- Cisco Catalyst 9600 Series Switches
- Cisco Catalyst 9500H Series Switches
- Cisco Catalyst 9800 Series Wireless Controllers
- Cisco Catalyst 9800 Wireless Controller in Cloud
- Cisco 4000 Series Integrated Services Routers
- Cisco ASR 1000 Series Aggregation Services Routers

Regex

N/A

Recommendation

Avoid running commands with long outputs. It is safe to periodically restart the smand with the command `test platform software process exit shell-manager RP active stateless`. If this doesn't provide temporary relief, you may need to reload the device. However, because the underlying condition is still present, the only permanent solution is to upgrade software to a fixed release.

Commands

```
#show version
```

```
#show platform software process list RP active name smand
```