



HOW TO: MAINTENANCE MODE

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Maintenance Mode

Maintenance mode is used when staging equipment in a production network prior to its go-live date, or to isolate a router/device from the network in order to perform debugging or an upgrade. The primary function of maintenance mode is to suppress alarms from systems that are incomplete, or undergoing maintenance activities that would cause alarms. When the device maintenance is complete, you can set the router out of maintenance mode.

Alarms during Maintenance mode:

When a 128T is put into **Maintenance Mode** all alarms for that 128T device will be **shelved**. Shelving refers to placing an alarm in state such that it is not considered critical and so as to not bother the user. Shelved alarms will continue to be monitored by the system but will not be presented on the standard UI.

The state of shelved alarms can be optionally viewed by issuing:

```
# show alarms shelved
```

You can use the router keyword to display alarms from a specific router

```
# show alarms shelved router bostonsitel
```

Note: you can view events for a specific router starting from a particular time by using the from/to keyword

```
# show events alarm router bostonsitel from 2019-04-03
```

```
admin@conductor1.nycsite1# show events alarm router bostonsitel from 2019-04-03
Wed 2019-04-03 13:27:03 UTC
```

Router	Node	Event Type	Time	Severity	Source	Category	Message	Shelved Status
bostonsitel	datacenter2	add	2019-04-03T01:24:39.629000Z	major	dallassitel+2.2.2.128+datacenter2+3+0	peer	Peer dallassitel path is down (PeerName: dallassitel Destination: 2.2.2.128 NodeName: datacenter2 DeviceInterface: wan1 Vlan: 0)	not-shelved
bostonsitel	datacenter2	add	2019-04-03T01:24:45.254000Z	major	dallassitel+2.2.2.128+datacenter2+3+0	peer	Peer dallassitel path is down (PeerName: dallassitel Destination: 2.2.2.128 NodeName: datacenter2 DeviceInterface: wan1 Vlan: 0)	not-shelved
bostonsitel	datacenter2	clear	2019-04-03T01:24:46.681000Z	major	dallassitel+2.2.2.128+datacenter2+3+0	peer	Peer dallassitel path is down (PeerName: dallassitel Destination: 2.2.2.128 NodeName: datacenter2 DeviceInterface: wan1 Vlan: 0)	not-shelved
bostonsitel	datacenter2	clear	2019-04-03T01:24:52.250000Z	major	dallassitel+2.2.2.128+datacenter2+3+0	peer	Peer dallassitel path is down (PeerName: dallassitel Destination: 2.2.2.128 NodeName: datacenter2 DeviceInterface: wan1 Vlan: 0)	not-shelved

Note: alarms follow the ISO 8601 standard for date & time.

Enabling Maintenance Mode:

You can enable maintenance mode by setting it to true either in the GUI or in the PCLI:

Configuration > Authority > Router > Maintenance Mode > True/False

On GUI:

The screenshot shows the GUI for configuring a router named 'bostonsite1'. The 'Maintenance Mode' toggle is highlighted in yellow, indicating it is currently set to 'false'. The interface includes a sidebar with navigation icons, a top bar with 'Explore configuration' and 'Revert to Running' buttons, and a main content area with 'Basic Information' and 'Service Groups' sections. The 'Basic Information' section contains fields for Name, Description, Location, Coordinates, and Reverse Flow Enforcement. The 'Service Groups' section has buttons for 'ADD', 'DELETE', and 'Filter Items'.

On PCLI:

```
[root@datacenter1~]# su admin
Starting the PCLI...
admin@datacenter1.bostonsite1# config authority router bostonsite1
maintenance-mode true
```

Similarly, you can disable the ***maintenance mode*** by setting it to ***false***.