

## Power Supply Status Alarms

 For supported software information, click [here](#).

Versa Operating System™ (VOS™) hardware platforms that have multiple pluggable power supply units generate power supply (PSU) status alarms, which report information about power supply status and the number of alarms triggered and cleared. An alarm is triggered when the power supply is receiving no power from the slot in which it is installed.

The following VOS hardware platform models support multiple power supplies and thus report power supply alarms. These are mostly server-class devices.

- Advantech 3260
- Advantech 5020
- Advantech 5070
- Lanner NCA 5520
- Riverbed 3080
- Riverbed 6080
- Versa CSG1300
- Versa CSG1500

### power-supply-status

<b>Description</b>	Provides the number of alarms triggered when the power supply is receiving no power from the slot in which it is installed.
<b>Cause</b>	<ul style="list-style-type: none"><li>• Power supply is unplugged from its slot or is not present.</li><li>• Power supply's power cord is not connected.</li><li>• Power supply's power source is not operational.</li><li>• Power supply module is not functional.</li></ul>

<b>Action</b>	When you resolve all the causes that triggered alarms on one or more power supplies, the power supply status alarm clear message is issued, indicating that all the power supplies are operational.
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## Related Commands

- To display power supply status alarms, issue the following command:

```
admin@versa-VOS-cli> show alarms
```

The following output examples show the power supply status alarms set and cleared on a device with two power supply units, PSU1 and PSU2.

The following example output shows the power supply status alarm after you unplug the power supply cable from PSU2:

```
admin@versa-VOS-cli> show alarms last-n 10
```

Module	Alarm	Time	Text
oam	appRunning	2020-09-14T17:06:04-0	(null): versa-service is up
ha	haSyncStatus	2020-09-14T17:06:07-0	(null): HA-Active Intra-Chassis Resource Controller sync status OK
oam	appStopped	2020-09-14T17:06:07-0	(null): versa-redis is down
oam	appRunning	2020-09-14T17:06:07-0	(null): versa-redis is up
<b>oam</b>	<b>powerSupplyStatus</b>	<b>2020-09-14T17:06:07-0</b>	<b>(null): Either PSU2 cable is unplugged or PSU2 is unplugged</b>

The following example output shows the power supply status alarm after you plug in the power supply cable for PSU2:

```
admin@versa-VOS-cli> show alarms last-n 10
```

Module	Alarm	Time	Text
oam	appRunning	2020-09-14T17:06:04-0	(null): versa-service is up
ha	haSyncStatus	2020-09-14T17:06:07-0	(null): HA-Active Intra-Chassis Resource Controller sync status OK
oam	appStopped	2020-09-14T17:06:07-0	(null): versa-redis is down
oam	appRunning	2020-09-14T17:06:07-0	(null): versa-redis is up
<b>oam</b>	<b>powerSupplyStatus</b>	<b>2020-09-14T17:14:44-0</b>	<b>Versa-Provider: Clear power supply status</b>

If you plug in the PSU2 and no power supply cable attached, no status clear alarm is generated.

The following example output shows the power supply status alarm when you remove the power supply cable for PSU1 when both PSU1 and PSU2 are connected and the power supply alarm status is currently cleared:

```
oam powerSupplyStatus 2020-09-14T17:14:44-0 Versa-Provider: Clear power supply status
oam powerSupplyStatus 2020-09-14T17:16:45-0 Versa-Provider: Either PSU2 cable is unplugged or PSU2 is unplugged
```

```
oam      powerSupplyStatus      2020-09-14T17:19:47-0 Versa-Provider: Clear power supply status
oam      powerSupplyStatus      2020-09-14T17:24:20-0 Versa-Provider: Either PSU1 cable is
unplugged or PSU1 is unplugged
```

- To set power supply status alarms destination, issue the following command:

```
admin@Perf-Branch1-cli(config)% set alarms power-supply-status
```

Possible completions:

```
destinations - Alarm destination type (overrides global)
owner        - Override default alarm owner
severity     - Override default alarm severity
soak-time    - Soak period before alarm is reported (overrides global)
```

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## Supported Software Information

Releases 20.2 and later support all content described in this article.

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## Additional Information

[Configure VOS Device Alarms](#)