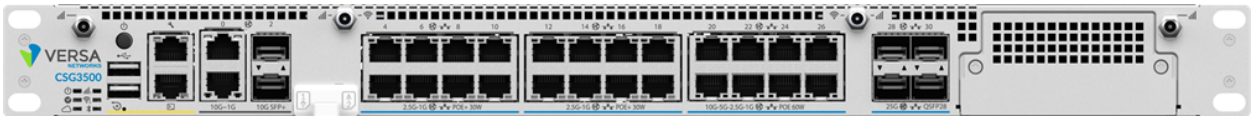
Front and Rear Panel Components

This article describes the front and rear panel components of a Cloud Services Gateway (CSG) 3000 series appliance. For the exact location of these components on the appliance, see At a Glance.

Front Panel

The front panel of a CSG3000 series appliance has a power button, a reset button, and six status LEDs located in two rows, as shown in Figure 1.

Figure 1: Front Panel of a CSG3000 Series Appliance



LEDs

Status LEDs provide the operational status of the appliance and of the Bluetooth, WLAN, and LTE connections. Table 1 lists the LEDs, their colors and states, and the status they indicate.

Table 1: Front Panel LEDs in a CSG3000 Series Appliance

LED	Color	Status
Power	Green	• Off—Appliance is not powered on. • Green—Appliance is powered on.
Status	Green, Red	• Off—Appliance hardware is up, but there is a problem with the configuration or software. • Solid green—Controller connection is up and running,

LED	Color	Status
		and probes and control plane packets are being transmitted. • Blinking green—Controller connection is in the process of being established. • Solid red—Controller node or CA has rejected this appliance, there is a certificate mismatch, or the appliance is unreachable. • Blinking red—Controller node is unreachable or unresponsive.
Cloud	Green, Red	Currently not supported.
Wireless	White	• Off—Wireless module is not installed. • Solid white—Wireless module is up and running. • Blinking white—Wireless module is booting.
LTE	White	• Off—LTE module is not installed or is not connected. • Solid white—LTE module is up and running. • Blinking white—LTE module is connecting.

Power Button

Pressing the power on/standby button on the front panel of a CSG3000 series appliance turns on the power.

To turn off the power, use one of the following methods:

- Press and release the power on/standby button. This method initiates a controlled shutdown of applications and the operating system before the appliance enters standby mode.
- Press and hold the power on/standby button for 4 seconds or more. This method forces the appliance to enter standby mode without exiting the application and the operating system. If an application stops responding, you can

use this method to force a shutdown.

Reset Button

The Reset button on the front panel of a CSG3000 series appliance resets the appliance to the factory-default settings. The reset functionality depends on the number of times you press the button within a span of 30 seconds, as described in Table 3. In between each press of the reset button, you must pause for 1 second to register the key press.

The Reset button is recessed so that it is not accidentally pressed while the appliance is operational.

To press the Reset button, use a sharp, narrow tool.

Table 3: Reset Button Press Behavior

Number of Presses	Behavior
2	Reset the appliance to the factory-default snapshot.
4	Reset the appliance to the branch prestaging configuration.
6	Reset the appliance to the branch staging configuration.
8	Reset the appliance to branch post-staging configuration.

Reset the Appliance from the CLI

You can reset the appliance to the factory-default configuration by issuing the **request system reset** CLI command. To do this, your first connect to the appliance through the serial console port or by using SSH.

The factory-default reset procedure can take up to 20 minutes to complete. Do not power off the appliance during this time.

To reset an appliance to the factory-default configuration:

1. To connect to the appliance through the serial console port, see Configure a Management Console to Connect to a CSG3000 Appliance.
2. To connect to the appliance using SSH, connect your PC to the management port of the appliance. For the port mapping on the CSG3000 series appliance, see Interface Numbering. The management port has the default static IP address 10.10.10.10/24. Configure the PC IP address to any IP from this segment, for example, 10.10.10.1/24. Open an SSH session to the appliance using its IP address, 10.10.10.10.
3. Log in to the appliance using the username "admin" and the password "versa123".
4. Start the CLI:

   ```
   % cli
   ```

5. Issue the following command to reset the configuration to the factory default. If the current software version on the

appliance is the same as that of the factory reset snapshot, the procedure takes about 10 minutes to complete. If the software versions are different, the procedure takes about 20 minutes to complete. Do not power off the appliance during the reset process.

```
# request system reset
```

6. Verify that all Versa services are running by issuing the **vsh status** command from the Linux bash CLI. The following is a sample output of this command. If all the services are shown as stopped, issue the **vsh start** command from the Linux bash CLI to start them manually.

```
# vsh status
versa-service    is Running, [*] process 6784
versa-infmgr     is Running, [-] process 5623
versa-rfd        is Running, [-] process 5838
versa-vmod       is Running, [-] process 5839
versa-ip2user    is Running, [-] process 5844
versa-imgr       is Running, [-] process 5848
versa-acctmgrd   is Running, [-] process 5845
versa-fltrmgr    is Running, [-] process 5648
versa-vstated    is Running, [-] process 5625
versa-addrmgrd   is Running, [-] process 5857
versa-rt-cli-xfm is Running, [-] process 5798
versa-rtd        is Running, [-] process 5827
versa-dhcpd      is Running, [-] process 5620
versa-eventd     is Running, [-] process 5843
versa-vrrpd      is Running, [-] process 5643
versa-dnsd       is Running, [-] process 5646
versa-ppmd       is Running, [-] process 5793
versa-snmp-xform is Running, [-] process 5800
versa-certd      is Running, [-] process 5849
versa-ntpd       is Running, [*] process 5612
versa-dhclient6  is Running, [-] process 5807
versa-redis      is Running, [-] process 6927
versa-av-redis   is Running, [-] process 5003
versa-spackmgr   is Running, [-] process 5832
versa-monit      is Running, [*] process 6078
versa-confd      is Running, [*] process 4798
versa-fail2ban   is Running, [*] process 6093
versa-auditd     is Running, [*] process 6116
versa-nodejs     is Running, [-] process 5775
```

7. Power off the appliance:

```
# sudo poweroff
```

Rear Panel

The rear panel of a CSG3000 series appliance has the following components, as shown in Figure 2:

- Two hot-swappable power supply units (PSUs), each about 1000 W, that provide 1+1 redundancy with front-to-back airflow

- Three front-to-back cooling fans that provide 2+1 redundancy
- One ground contact

Figure 2: Rear Panel of a CSG3000 Series Appliance