Chapter 2

Preparation

2.1 Site Selection

Read the safety instructions in your Safety, Environmental, and Regulatory Information booklet before you begin.

The following criteria should be considered when selecting a site to install the appliance:

- Before you begin, review the safety instructions located at http://www.arista.com/support/product-documentation.
- Begin installing the rails in the allotted space that is closest to the bottom of the rack enclosure.
- Other Requirements: Select a site where liquids or objects cannot fall onto the equipment and foreign objects are not drawn into the ventilation holes. Verify these guidelines are met:
  - Clearance areas to the front and rear panels allow for unrestricted cabling.
  - All front and rear panel indicators can be easily read.
  - Power cords can reach from the power outlet to the connector on the rear panel.

Important! All power connections must be removed to de-energize the unit.

Important! This unit is intended for installation in restricted access areas.

2.2 Electrostatic Discharge (ESD) Precautions

Observe these guidelines to avoid ESD damage when installing or servicing the appliance.

- Assemble or disassemble equipment only in a static-free work area.
- Use a conductive work surface (such as an anti-static mat) to dissipate static charge.
- Wear a conductive wrist strap to dissipate static charge accumulation.
- Minimize handling of assemblies and components.
- Keep replacement parts in their original static-free packaging.
- Remove all plastic, foam, vinyl, paper, and other static-generating materials from the work area.
- Use tools that do not create ESD.
2.3  CloudVision Physical Appliance Setup

You may need the following items to perform the procedures in this section:

- Key to the system key-lock
- #1 and #2 Phillips screwdriver
- Wrist grounding strap connected to ground
- Rack mount kit instructions located in the shipping box

2.3.1  Front Bezel

Removing the front bezel

Step 1  Unlock the key-lock at the left end of the bezel.

Step 2  Lift the release latch next to the key-lock.

Step 3  Rotate the left end of the bezel away from the front panel.

Step 4  Unhook the right end of the bezel and pull the bezel away from the system.

Figure 2-1: Removing and installing the front bezel

Legend
1  release latch
2  key-lock
3  front bezel
2.3.2 Locate the MAC Addresses for the CloudVision Appliance

The information tag is a slide-out label which contains system information such as Service Tag, NIC, MAC address for your reference. Record the MAC addresses in the CloudVision Worksheet (see Appendix H).

Figure 2-2: MAC address location

2.3.3 Back Panel Ethernet Connections

On the back panel of the CloudVision appliance, locate the Ethernet Integrated 10/100/1000 Mbps NIC connectors.

Figure 2-3: Back Panel
2.4 DNS Entries

In order to manage your CloudVision cluster, it is often easier to connect to them by hostname as opposed to IP address. Fully qualified domain names (FQDNs) should be allocated to:

- Each of the CloudVision Appliance host machines
- Each of the CloudVision Appliance iDRAC interfaces
- Each of the CloudVision Portal (CVP) nodes
- Each of the CloudVision Server (CVX) nodes

Please contact your DNS zone administrator for assistance.
2.5 CloudVision Appliance IP Configuration

The CloudVision Appliance Host and iDRAC IP addresses can be allocated in either of two ways:

**Option 1: Using an available DHCP server**
- DHCP Based IP Address Setup (page 7)
- Web Access into Host via Kimchi (page 13)

**Option 2: Manual configuration (Requires terminal connected to VGA port)**
- Manual IP Address Setup (page 7)
- Web Access into Host via Kimchi (page 13)

### 2.5.1 DHCP Based IP Address Setup

**Note**
The iDRAC interface shares the NIC1 physical interface but has a different MAC address. You will need to take note of this MAC address to map the DHCP address for the iDRAC interface.

- **iDRAC IP Address**
  Using the iDRAC MAC from Locate the MAC Addresses for the CloudVision Appliance (Figure 2-2 on page 5), input an entry into the DHCP Server for the corresponding iDRAC IP address mapping to that MAC.

- **Host IP Address**
  Using the HOST NIC1 MAC from Locate the MAC Addresses for the CloudVision Appliance (Figure 2-2 on page 5), input an entry into the DHCP Server for the corresponding HOST IP address mapping to that MAC.

Turn the system on by pressing the power button located on the front of the system.

**Figure 2-5: Power on the appliance**

### 2.5.2 Manual IP Address Setup

**Note**
Direct IP Address Setup requires a terminal connected to the VGA port of the appliance. This section can be skipped if the Host and iDRAC IP addresses have been configured with a DHCP server. See Appendix D for complete back panel descriptions.
2.5.2.1 iDRAC IP Address

The iDRAC IP address can be manually configured via the host’s bash shell using the `racadm` tool. The `racadm` commands below are sequence dependent and must be entered in the following order.

**Step 1** Using the attached terminal and keyboard, log in as user “root” and with default password “arista”

**Step 2** Disable all iDRAC related DHCP configuration

```
racadm set iDRAC.IPv4.DHCPEnable 0
racadm set iDRAC.IPv4.DNSFromDHCP 0
racadm set iDRAC.NIC.DNSDomainFromDHCP 0
```

**Step 3** Configure IP network settings for the iDRAC interface

```
racadm set iDRAC.NIC.Enable 1
racadm set iDRAC.IPv4.Address <iDRAC-IP>
racadm set iDRAC.IPv4.Netmask <iDRAC-MASK>
racadm set iDRAC.IPv4.Gateway <iDRAC-GW>
```

**Step 4** Configure DNS settings for the iDRAC interface

```
racadm set iDRAC.IPv4.DNS1 <iDRAC-DNS1>
racadm set iDRAC.IPv4.DNS2 <iDRAC-DNS2>
racadm set iDRAC.NIC.DNSRacName <iDRAC-NAME>
racadm set iDRAC.NIC.DNSDomainName <iDRAC-DOMAIN.NAME>
```

**Step 5** Verify configuration by running:

```
racadm getSysInfo
```

2.5.2.2 Host IP Address

The host IP address can be manually configured via the host’s bash shell. In order for the settings to be persistent, the following configuration must be done.

**Step 1** Configure network settings by editing the `/etc/sysconfig/network-scripts/ifcfg-devicebr` file.

```
DEVICE=devicebr
NAME=devicebr
TYPE=Bridge
ONBOOT=yes
BOOTPROTO=none
IPADDR=<ip address here>
NETMASK=<subnet mask here>
GATEWAY=<gateway ip address here>
DELAY=0
USERCTL=yes
NM_CONTROLLED=no
```

**Step 2** Configure DNS settings by editing the `/etc/resolv.conf` file

```
nameserver <dnsServerIP-1>
nameserver <dnsServerIP-2>
search <domain1> <domain2> ...
```

**Step 3** Restart the networking service for the changes to take effect.

```
service network restart
```