



**Juniper Networks Secure Access**

**Quick Start Guide for  
Secure Access 2500, 4500 and 6500**

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# Quick Start

Thank you for choosing the Juniper Networks Instant Virtual Extranet (IVE) appliance. You can install the IVE and start configuring your system using the following easy steps:

- “Step 1: Installing the Hardware” on page 2
- “Step 2: Performing Basic Setup” on page 3
- “Step 3: Licensing and Configuring Your IVE” on page 6



**NOTE:** After installing and setting up your IVE, refer to the Initial Configuration task guide in the administrator Web console to install the most current IVE OS service package, license your IVE appliance, and create a test user to verify user accessibility. To test initial set-up and continue configuring your IVE, refer to the “Getting started” section of the *Juniper Networks Secure Access Administration Guide* for your IVE.

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We recommend that you install the IVE appliance on your LAN to ensure that it can communicate with the appropriate resources, like authentication servers, DNS servers, internal Web servers via HTTP/HTTPS, external Web sites via HTTP/HTTPS (optional), Windows file servers (optional), NFS file servers (optional), and client/server applications (optional).



**NOTE:** If you decide to install your IVE appliance in your DMZ, ensure that the IVE appliance can connect to these internal resources.

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## Step 1: Installing the Hardware

The Secure Access 2500, 4500 and 6500 ship with mounting ears and mid-mounts. We recommend you use the rear mounting rails when installing the Secure Access 6500 in a rack.

An optional rack kit is available if you require more than just the rack mount ears. Contact Juniper Networks for more information.

Next, connect the included cables and power on the IVE following these steps:

1. On the front panel:
  - a. Connect an Ethernet cable from one of the Ethernet ports on the device to a Gigabit switch port set to 1000BaseTX. DO NOT use autoselect on either port.  
  
Once you apply power to the IVE, the port uses two LEDs to indicate the connection status, which is described in “Ethernet Port LED Behavior” on page 3.
  - b. Plug the serial cable into the console port.
2. On the rear panel, plug the power cord into the AC receptacle. There is no on/off switch on the IVE. Once you plug the power cord into the AC receptacle, the IVE powers up.

Hardware installation is complete after you rack-mount the appliance and connect the power, network, and serial cables. The next step is to connect to the appliance’s serial console as described in “Step 2: Performing Basic Setup” on page 3.

### Device Status LED Behavior

Startup takes approximately one minute to complete. If you want to turn the device off and on again, we recommend you wait a few seconds between shutting it down and powering it back up.

There are three device status LEDs located on the left-side of the front panel:

- Power
- Hard disk access
- Fault

Table 1 on page 2 lists the name, color, status, and description of each device status LED.

**Table 1: Device Status LEDs**

Name	Color	State	Description
POWER	Green	Off	Device is not receiving power
		On Steady	Device is receiving power

**Table 1: Device Status LEDs (continued)**

Name	Color	State	Description
HARD DISK ACCESS	Yellow	Off	Hard disk is idle
		Blinking	Hard disk is being accessed
FAULT	Red	Off	Device is operating normally
		Slow blinking	Power supply fault
		Fast blinking	Fan failure
		Solid	Thermal failure

### Ethernet Port LED Behavior

The Ethernet port LEDs show the status of each Ethernet port.

**Table 2: 4-Port Copper Gigabit Ethernet LEDs (available on SA 4500 and SA 6500)**

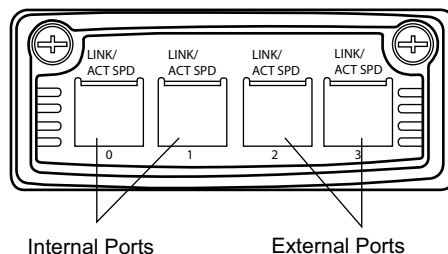
LED	Color and State	Description
Link/Activity	Green	Link
	Blinking green	Activity
Link Speed	Off	10 Mbps
	Green	100 Mbps
	Yellow	1 Gbps

### Bonding Ports

By default, on the SA 6500 only, the IVE uses bonding of the multiple ports to provide failover protection. Bonding describes a technology for aggregating two physical ports into one logical group. Bonding two ports on the IVE increases the failover capabilities by automatically shifting traffic to the secondary port when the primary port fails.

The SA 6500 appliance bonds ports as follows:

- Internal port = Port 0 + Port 1
- External port = Port 2 + Port 3



The IVE indicates in a message on the System > Network > Overview page whether or not the failover functionality is enabled.

## Step 2: Performing Basic Setup

When you boot an unconfigured Secure Access appliance, you need to enter basic network and machine information through the serial console to make the appliance accessible to the network. After entering these settings, you can continue configuring the appliance through the administrator Web console. This section describes the required serial console setup and the tasks you need to perform when connecting to your Secure Access appliance for the first time.

To perform basic setup:

1. Configure a console terminal or terminal emulation utility running on a computer, such as HyperTerminal, to use these serial connection parameters:
  - 9600 bits per second
  - 8-bit No Parity (8N1)
  - 1 Stop Bit
  - No flow control
2. Connect the terminal or laptop to the serial cable plugged in to the appliance's console port and press **Enter** until you are prompted by the initialization script.

**Figure 1: Welcome Screen for the IVE Serial Console**

```

Telnet

E1000 driver loaded
.....
No data to import
Creating initial default data

About to boot as a stand-alone IVE.
Hit TAB for clustering options, wait or hit Enter to continue....
Starting Core Services

Welcome to the initial configuration of your server!
NOTE: Press 'y' if this is a stand-alone server or the first
machine in a clustered configuration.
If this is going to be a member of an already running cluster
press n to reboot. When you see the 'Hit TAB for clustering options'
message press TAB and follow the directions.
Would you like to proceed (y/n)?:

CTRL-A Z for help | 9600 8N1 | NOR | Minicom 2.00.0 | UT102 | Offline
```

3. Enter **y** to proceed and then **y** to accept the license terms (or **r** to read the license first).
4. Follow the directions in the serial console and enter the machine information for which you are prompted, including the:
  - IP address of the internal port (you configure the external port through the administrator Web console after initial configuration)

- Network mask
- Default gateway address
- Primary DNS server address
- Secondary DNS server address (optional)
- Default DNS domain name (for example, `acmegizmo.com`)
- WINS server name or address (optional)
- Administrator username
- Administrator password
- Common machine name (for example, `connect.acmegizmo.com`)
- Organization name (for example, Acme Gizmo, Inc.)



**NOTE:** The IVE uses the common machine and organization names to create a self-signed digital certificate for use during product evaluation and initial setup.

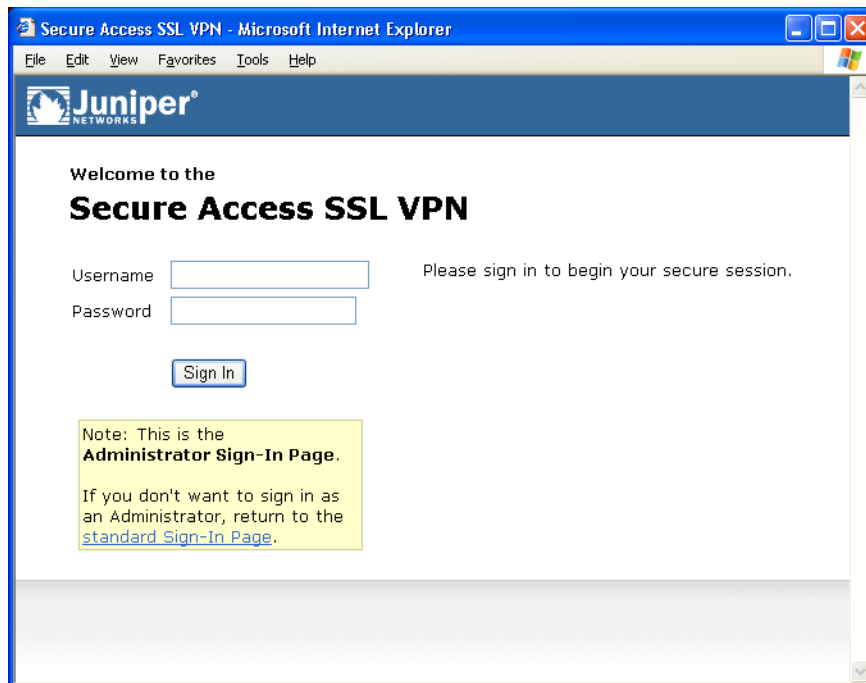
We strongly recommend that you import a signed digital certificate from a trusted certificate authority (CA) before deploying the IVE for production use.

For more information, refer to the “Certificates” chapter in the *Juniper Networks Secure Access Administration Guide*.

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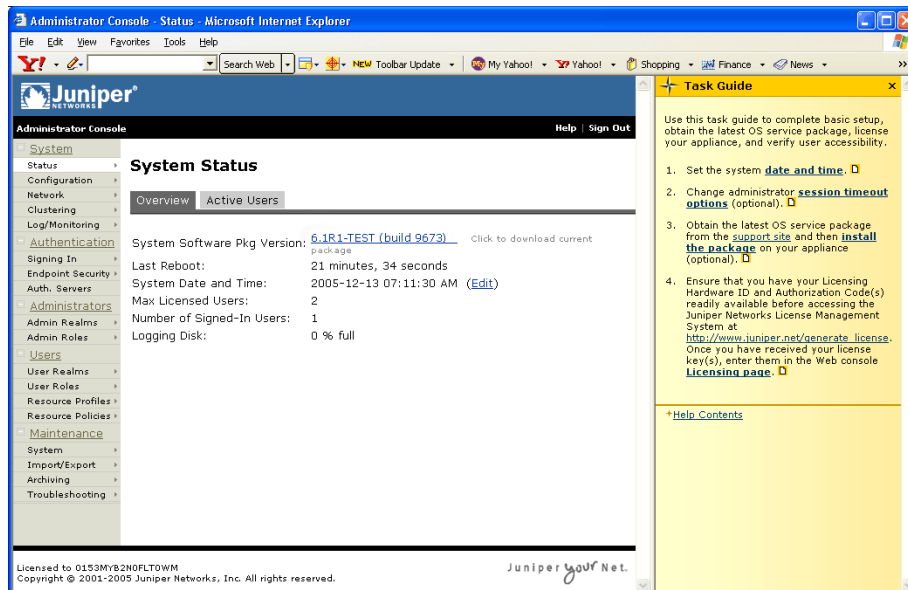
5. In a browser, enter the machine’s URL followed by “/admin” to access the administrator sign-in page. The URL is in the format: `https://a.b.c.d/admin`, where `a.b.c.d` is the machine IP address you entered in step 4. When prompted with the security alert to proceed without a signed certificate, click **Yes**. When the administrator sign-in page appears, you have successfully connected your IVE appliance to the network.

Figure 2: Administrator Sign-In Page



- 6. On the sign-in page, enter the administrator user name and password you created in step 4 and then click **Sign In**. The administrator Web console opens to the **System > Status > Overview** page.

Figure 3: System > Status > Overview Page



### Step 3: Licensing and Configuring Your IVE

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After you install the IVE and perform basic setup, you are ready to install the most current IVE OS service package, license the IVE, verify accessibility, and complete the configuration process:

- To install the most current IVE OS service package, license your Secure Access and create a test user to verify user accessibility, follow the task guide embedded in the administrator Web console.
- To test initial set-up and continue configuring your IVE, refer to the “Getting Started” section of the *Juniper Networks Secure Access Administration Guide* for your IVE.

