



Juniper Networks Secure Access

Quick Start Guide

Juniper Networks, Inc.

1194 North Mathilda Avenue
Sunnyvale, CA 94089

USA

408-745-2000

www.juniper.net

This product includes the Envoy SNMP Engine, developed by Epilogue Technology, an Integrated Systems Company. Copyright © 1986–1997, Epilogue Technology Corporation. All rights reserved. This program and its documentation were developed at private expense, and no part of them is in the public domain.

This product includes memory allocation software developed by Mark Moraes, copyright © 1988, 1989, 1993, University of Toronto.

This product includes FreeBSD software developed by the University of California, Berkeley, and its contributors. All of the documentation and software included in the 4.4BSD and 4.4BSD-Lite Releases is copyrighted by The Regents of the University of California. Copyright © 1979, 1980, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994. The Regents of the University of California. All rights reserved.

GateD software copyright © 1995, The Regents of the University. All rights reserved. Gate Daemon was originated and developed through release 3.0 by Cornell University and its collaborators. Gated is based on Kirton's EGP, UC Berkeley's routing daemon (routed), and DCN's HELLO routing protocol. Development of Gated has been supported in part by the National Science Foundation. Portions of the GateD software copyright © 1988, Regents of the University of California. All rights reserved. Portions of the GateD software copyright © 1991, D. L. S. Associates.

Juniper Networks, the Juniper Networks logo, NetScreen, NetScreen Technologies, the NetScreen logo, NetScreen-Global Pro, ScreenOS, and GigaScreen are registered trademarks of Juniper Networks, Inc. in the United States and other countries.

The following are trademarks of Juniper Networks, Inc.: ERX, E-series, ESP, Instant Virtual Extranet, Internet Processor, J2300, J4300, J6300, J-Protect, J-series, J-Web, JUNOS, JUNOScope, JUNOScript, JUNOSe, M5, M7i, M10, M10i, M20, M40, M40e, M160, M320, M-series, MMD, NetScreen-5GT, NetScreen-5XP, NetScreen-5XT, NetScreen-25, NetScreen-50, NetScreen-204, NetScreen-208, NetScreen-500, NetScreen-5200, NetScreen-5400, NetScreen-IDP 10, NetScreen-IDP 100, NetScreen-IDP 500, NetScreen-Remote Security Client, NetScreen-Remote VPN Client, NetScreen-SA 1000 Series, NetScreen-SA 3000 Series, NetScreen-SA 5000 Series, NetScreen-SA Central Manager, NetScreen Secure Access, NetScreen-SM 3000, NetScreen-Security Manager, NMC-RX, SDX, Stateful Signature, T320, T640, T-series, and TX Matrix. All other trademarks, service marks, registered trademarks, or registered service marks are the property of their respective owners. All specifications are subject to change without notice.

Products made or sold by Juniper Networks or components thereof might be covered by one or more of the following patents that are owned by or licensed to Juniper Networks: U.S. Patent Nos. 5,473,599, 5,905,725, 5,909,440, 6,192,051, 6,333,650, 6,359,479, 6,406,312, 6,429,706, 6,459,579, 6,493,347, 6,538,518, 6,538,899, 6,552,918, 6,567,902, 6,578,186, and 6,590,785.

Copyright © 2007, Juniper Networks, Inc.
All rights reserved. Printed in USA.

Juniper Networks assumes no responsibility for any inaccuracies in this document. Juniper Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice.

Year 2000 Notice

Juniper Networks hardware and software products are Year 2000 compliant. The JUNOS software has no known time-related limitations through the year 2038. However, the NTP application is known to have some difficulty in the year 2036.

Software License

The terms and conditions for using this software are described in the software license contained in the acknowledgment to your purchase order or, to the extent applicable, to any reseller agreement or end-user purchase agreement executed between you and Juniper Networks. By using this software, you indicate that you understand and agree to be bound by those terms and conditions.

Generally speaking, the software license restricts the manner in which you are permitted to use the software and may contain prohibitions against certain uses. The software license may state conditions under which the license is automatically terminated. You should consult the license for further details.

For complete product documentation, please see the Juniper Networks Web site at www.juniper.net/techpubs.

End User License Agreement

READ THIS END USER LICENSE AGREEMENT ("AGREEMENT") BEFORE DOWNLOADING, INSTALLING, OR USING THE SOFTWARE. BY DOWNLOADING, INSTALLING, OR USING THE SOFTWARE OR OTHERWISE EXPRESSING YOUR AGREEMENT TO THE TERMS CONTAINED HEREIN, YOU (AS CUSTOMER OR IF YOU ARE NOT THE CUSTOMER, AS A REPRESENTATIVE/AGENT AUTHORIZED TO BIND THE CUSTOMER) CONSENT TO BE BOUND BY THIS AGREEMENT. IF YOU DO NOT OR CANNOT AGREE TO THE TERMS CONTAINED HEREIN, THEN (A) DO NOT DOWNLOAD, INSTALL, OR USE THE SOFTWARE, AND (B) YOU MAY CONTACT JUNIPER NETWORKS REGARDING LICENSE TERMS.

1. The Parties. The parties to this Agreement are Juniper Networks, Inc. and its subsidiaries (collectively "Juniper"), and the person or organization that originally purchased from Juniper or an authorized Juniper reseller the applicable license(s) for use of the Software ("Customer") (collectively, the "Parties").

2. The Software. In this Agreement, "Software" means the program modules and features of the Juniper or Juniper-supplied software, and updates and releases of such software, for which Customer has paid the applicable license or support fees to Juniper or an authorized Juniper reseller.

3. License Grant. Subject to payment of the applicable fees and the limitations and restrictions set forth herein, Juniper grants to Customer a non-exclusive and non-transferable license, without right to sublicense, to use the Software, in executable form only, subject to the following use restrictions:

- Customer shall use the Software solely as embedded in, and for execution on, Juniper equipment originally purchased by Customer from Juniper or an authorized Juniper reseller, unless the applicable Juniper documentation expressly permits installation on non-Juniper equipment.
- Customer shall use the Software on a single hardware chassis having a single processing unit, or as many chassis or processing units for which Customer has paid the applicable license fees.
- Product purchase documents, paper or electronic user documentation, and/or the particular licenses purchased by Customer may specify limits to Customer's use of the Software. Such limits may restrict use to a maximum number of seats, registered endpoints, concurrent users, sessions, calls, connections, subscribers, clusters, nodes, or transactions, or require the purchase of separate licenses to use particular features, functionalities, services, applications, operations, or capabilities, or provide throughput, performance, configuration, bandwidth, interface, processing, temporal, or geographical limits. Customer's use of the Software shall be subject to all such limitations and purchase of all applicable licenses.

The foregoing license is not transferable or assignable by Customer. No license is granted herein to any user who did not originally purchase the applicable license(s) for the Software from Juniper or an authorized Juniper reseller.

4. Use Prohibitions. Notwithstanding the foregoing, the license provided herein does not permit the Customer to, and Customer agrees not to and shall not: (a) modify, unbundle, reverse engineer, or create derivative works based on the Software; (b) make unauthorized copies of the Software (except as necessary for backup purposes); (c) rent, sell, transfer, or grant any rights in and to any copy of the Software, in any form, to any third party; (d) remove any proprietary notices, labels, or marks on or in any copy of the Software or any product in which the Software is embedded; (e) distribute any copy of the Software to any third party, including as may be embedded in Juniper equipment sold in the secondhand market; (f) use any 'locked' or key-restricted feature, function, service, application, operation, or capability without first purchasing the applicable license(s) and obtaining a valid key from Juniper, even if such feature, function, service, application, operation, or capability is enabled without a key; (g) distribute any key for the Software provided by Juniper to any third party; (h) use the Software in any manner that extends or is broader than the uses purchased by Customer from Juniper or an authorized Juniper reseller; (i) use the Software on non-Juniper equipment where the Juniper documentation does not expressly permit installation on non-Juniper equipment; (j) use the Software (or make it available for use) on Juniper equipment that the Customer did not originally purchase from Juniper or an authorized Juniper reseller; or (k) use the Software in any manner other than as expressly provided herein.

5. Audit. Customer shall maintain accurate records as necessary to verify compliance with this Agreement. Upon request by Juniper, Customer shall furnish such records to Juniper and certify its compliance with this Agreement.

6. Confidentiality. The Parties agree that aspects of the Software and associated documentation are the confidential property of Juniper. As such, Customer shall exercise all reasonable commercial efforts to maintain the Software and associated documentation in confidence, which at a minimum includes restricting access to the Software to Customer employees and contractors having a need to use the Software for Customer's internal business purposes.

7. Ownership. Juniper and Juniper's licensors, respectively, retain ownership of all right, title, and interest (including copyright) in and to the Software, associated documentation, and all copies of the Software. Nothing in this Agreement constitutes a transfer or conveyance of any right, title, or interest in the Software or associated documentation, or a sale of the Software, associated documentation, or copies of the Software.

8. Warranty, Limitation of Liability, Disclaimer of Warranty. The warranty applicable to the Software shall be as set forth in the warranty statement that accompanies the Software (the "Warranty Statement"). Nothing in this Agreement shall give rise to any obligation to support the Software. Support services may be purchased separately. Any such support shall be governed by a separate, written support services agreement. TO THE MAXIMUM EXTENT PERMITTED BY LAW, JUNIPER SHALL NOT BE LIABLE FOR ANY LOST PROFITS, LOSS OF DATA, OR COSTS OR PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES, OR FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THIS AGREEMENT, THE SOFTWARE, OR ANY JUNIPER OR JUNIPER-SUPPLIED SOFTWARE. IN NO EVENT SHALL JUNIPER BE LIABLE FOR DAMAGES ARISING FROM UNAUTHORIZED OR IMPROPER USE OF ANY JUNIPER OR JUNIPER-SUPPLIED SOFTWARE. EXCEPT AS EXPRESSLY PROVIDED IN THE WARRANTY STATEMENT TO THE EXTENT PERMITTED BY LAW, JUNIPER DISCLAIMS ANY AND ALL WARRANTIES IN AND TO THE SOFTWARE (WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE), INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT DOES JUNIPER WARRANT THAT THE SOFTWARE, OR ANY EQUIPMENT OR NETWORK RUNNING THE SOFTWARE, WILL OPERATE WITHOUT ERROR OR INTERRUPTION, OR WILL BE FREE OF VULNERABILITY TO INTRUSION OR ATTACK. In no event shall Juniper's or its suppliers' or licensors' liability to Customer, whether in contract, tort (including negligence), breach of warranty, or otherwise, exceed the price paid by Customer for the Software that gave rise to the claim, or if the Software is embedded in another Juniper product, the price paid by Customer for such other product. Customer acknowledges and agrees that Juniper has set its prices and entered into this Agreement in reliance upon the disclaimers of warranty and the limitations of liability set forth herein, that the same reflect an allocation of risk between the Parties (including the risk that a contract remedy may fail of its essential purpose and cause consequential loss), and that the same form an essential basis of the bargain between the Parties.

9. Termination. Any breach of this Agreement or failure by Customer to pay any applicable fees due shall result in automatic termination of the license granted herein. Upon such termination, Customer shall destroy or return to Juniper all copies of the Software and related documentation in Customer's possession or control.

10. Taxes. All license fees for the Software are exclusive of taxes, withholdings, duties, or levies (collectively "Taxes"). Customer shall be responsible for paying Taxes arising from the purchase of the license, or importation or use of the Software.

11. Export. Customer agrees to comply with all applicable export laws and restrictions and regulations of any United States and any applicable foreign agency or authority, and not to export or re-export the Software or any direct product thereof in violation of any such restrictions, laws or regulations, or without all necessary approvals. Customer shall be liable for any such violations. The version of the Software supplied to Customer may contain encryption or other capabilities restricting Customer's ability to export the Software without an export license.

12. Commercial Computer Software. The Software is "commercial computer software" and is provided with restricted rights. Use, duplication, or disclosure by the United States government is subject to restrictions set forth in this Agreement and as provided in DFARS 227.7201 through 227.7202-4, FAR 12.212, FAR 27.405(b)(2), FAR 52.227-19, or FAR 52.227-14(ALT III) as applicable.

13. Interface Information. To the extent required by applicable law, and at Customer's written request, Juniper shall provide Customer with the interface information needed to achieve interoperability between the Software and another independently created program, on payment of applicable fee, if any. Customer shall observe strict obligations of confidentiality with respect to such information and shall use such information in compliance with any applicable terms and conditions upon which Juniper makes such information available.

14. Third Party Software. Any licensor of Juniper whose software is embedded in the Software and any supplier of Juniper whose products or technology are embedded in (or services are accessed by) the Software shall be a third party beneficiary with respect to this Agreement, and such licensor or vendor shall have the right to enforce this Agreement in its own name as if it were Juniper. In addition, certain third party software may be provided with the Software and is subject to the accompanying license(s), if any, of its respective owner(s). To the extent portions of the Software are distributed under and subject to open source licenses obligating Juniper to make the source code for such portions publicly available (such as the GNU General Public License ("GPL") or the GNU Library General Public License ("LGPL")), Juniper will make such source code portions (including Juniper modifications, as appropriate) available upon request for a period of up to three years from the date of distribution. Such request can be made in writing to Juniper Networks, Inc., 1194 N. Mathilda Ave., Sunnyvale, CA 94089, ATTN: General Counsel. You may obtain a copy of the GPL at <http://www.gnu.org/licenses/gpl.html>, and a copy of the LGPL at <http://www.gnu.org/licenses/lgpl.html>.

15. Miscellaneous. This Agreement shall be governed by the laws of the State of California without reference to its conflicts of laws principles. The provisions of the U.N. Convention for the International Sale of Goods shall not apply to this Agreement. For any disputes arising under this Agreement, the Parties hereby consent to the personal and exclusive jurisdiction of, and venue in, the state and federal courts within Santa Clara County, California. This Agreement constitutes the entire and sole agreement between Juniper and the Customer with respect to the Software, and supersedes all prior and contemporaneous agreements relating to the Software, whether oral or written (including any inconsistent terms contained in a purchase order), except that the terms of a separate written agreement executed by an authorized Juniper representative and Customer shall govern to the extent such terms are inconsistent or conflict with terms contained herein. No modification to this Agreement nor any waiver of any rights hereunder shall be effective unless expressly assented to in writing by the party to be charged. If any portion of this Agreement is held invalid, the Parties agree that such invalidity shall not affect the validity of the remainder of this Agreement. This Agreement and associated documentation has been written in the English language, and the Parties agree that the English version will govern. (For Canada: Les parties aux présentés confirment leur volonté que cette convention de même que tous les documents y compris tout avis qui s'y rattache, soient rédigés en langue anglaise. (Translation: The parties confirm that this Agreement and all related documentation is and will be in the English language)).

Quick Start

Introduction

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 9
- “Step 3: Licensing and configuring your IVE” on page 12



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.

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.

Step 1: Installing the hardware

IVE appliances feature a variety of hardware designs. The hardware installation procedure for your IVE depends upon the specific model of IVE you purchase. The following sections cover hardware installation procedures for the various IVE systems available from Juniper Networks:

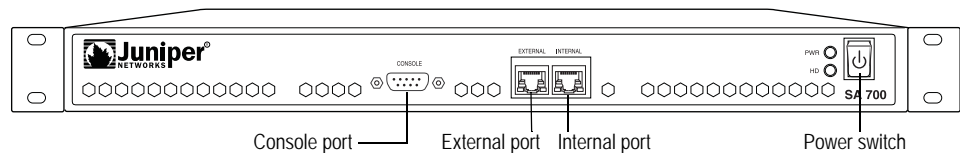
- “Secure Access 700” on page 2
- “Secure Access 2000 and Secure Access 4000” on page 3
- “Secure Access 6000” on page 4
- “Secure Access 4000 FIPS and Secure Access 6000 FIPS” on page 6



NOTE: For Secure Access and Secure Access FIPS safety information, refer to the *Juniper Networks Security Products Safety Guide* available on the Juniper Networks Support site.

Secure Access 700

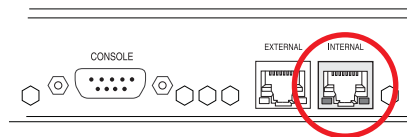
Figure 1: Secure Access 700



The Secure Access 700 ships with mounting ears and rubber feet. Use the mounting ears to rack mount the appliance or attach the rubber feet to place the appliance on a flat surface. Next, connect included cables and power on the IVE following these steps:

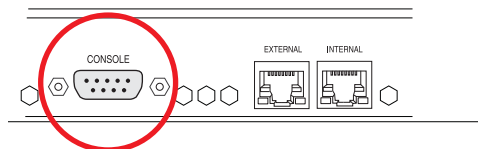
1. On the rear panel, plug the power cord into the AC receptacle.
2. On the front panel:
 - a. Plug the Ethernet cable into the “INTERNAL” port. Once you apply power to the IVE, the internal port uses two LEDs to indicate the connection status, which is described in Table 1 on page 8.

Figure 2: The internal port is located on the front panel



- b. Plug the serial cable into the console port.

Figure 3: The console port is located on the front panel



- c. Push the power switch in the right corner. The green LED next to the power switch turns on.

Hardware installation is complete after you rack-mount the appliance or place the appliance on a suitable flat surface, connect the power, network, and serial cables, and turn on the power. The next step is to connect to the appliance’s serial console as described in “Step 2: Performing basic setup” on page 9.

Secure Access 2000 and Secure Access 4000

Figure 4: Secure Access 2000

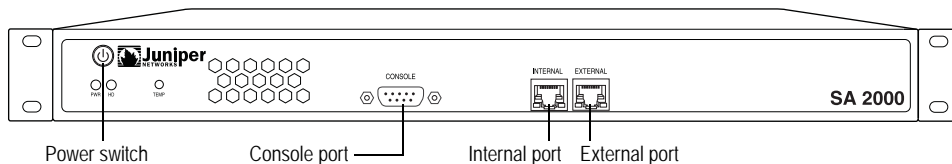
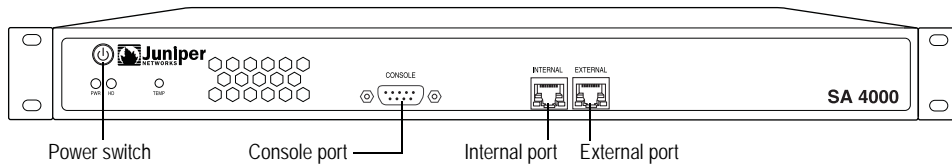


Figure 5: Secure Access 4000



The Secure Access 2000 and Secure Access 4000 appliances ship with mounting brackets attached to the front of the chassis. Rack mount, connect included cables, and power on the IVE following these steps:

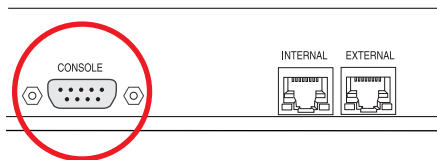
1. Using the attached mounting brackets, mount the IVE appliance in your server rack.
2. On the rear panel, plug the power cord into the AC receptacle.
3. On the front panel:
 - a. Plug the Ethernet cable into the “INTERNAL” port. Once you apply power to the IVE, the internal port uses two LEDs to indicate the LAN connection status, which is described in Table 1 on page 8.

Figure 6: The internal port is located on the front panel



- b. Plug the serial cable into the console port.

Figure 7: The console port is located on the front panel

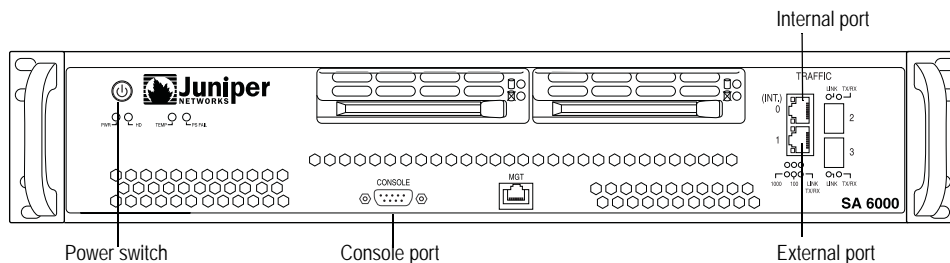


- c. Push the power switch in the left corner. The green LED below the power switch turns on. The IVE hard disk light turns on whenever the appliance reads data from or writes data to the IVE hard disk.

Hardware installation is complete after you rack-mount the appliance, connect the power, network, and serial cables, and turn on the power. The next step is to connect to the appliance’s serial console as described in “Step 2: Performing basic setup” on page 9.

Secure Access 6000

Figure 8: Secure Access 6000



The Secure Access 6000 ships with mounting brackets attached to the front of the chassis. Rack mount, connect included cables, and power on the IVE following these steps:

1. Using the attached mounting brackets, mount the IVE appliance in your server rack.

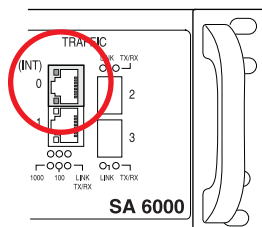
2. On the rear panel, plug the power cord into the AC receptacle. If your Secure Access 6000 contains two power supplies, plug a power cord into each of the AC receptacles.



NOTE: Although your Secure Access 6000 can operate normally on only one power supply, to take advantage of the power redundancy feature available on the Secure Access 6000, you must connect power to both of the power supplies.

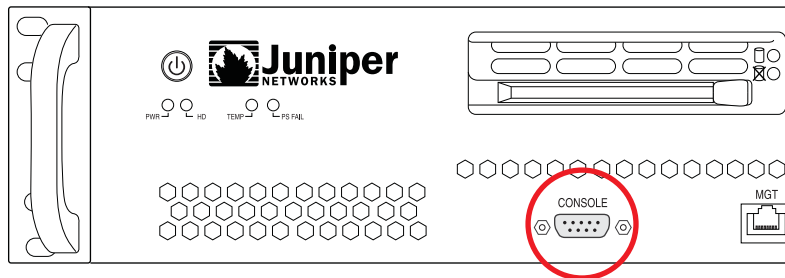
3. On the front panel:
 - a. Plug the Ethernet cable into the “INT” (for internal) port. Once you apply power to the IVE, the internal port uses two LEDs to indicate the LAN connection status, which is described in Table 1 on page 8.

Figure 9: The internal port is located on the front panel



- b. Plug the serial cable into the console port.

Figure 10: The console port is located on the front panel



- c. Push the power switch in the left corner. The green LED below the power switch turns on. The IVE hard disk light turns on whenever the appliance reads data from or writes data to an IVE hard disk.



NOTE: For more information on SA 6000 hardware components, refer to the “Secure Access 6000” chapter in the *Juniper Networks Secure Access Administration Guide*.

Hardware installation is complete after you rack-mount the appliance, connect the power, network, and serial cables, and turn on the power. The next step is to connect to the appliance’s serial console as described in “Step 2: Performing basic setup” on page 9.

Secure Access 4000 FIPS and Secure Access 6000 FIPS

Figure 11: Secure Access 4000 FIPS

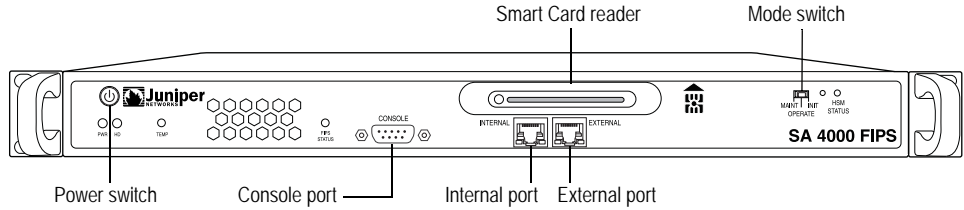
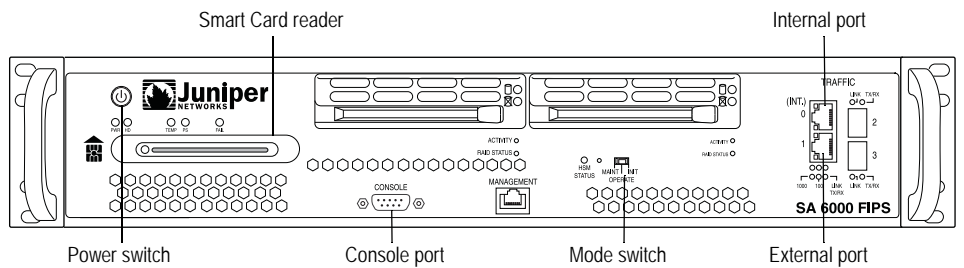


Figure 12: Secure Access 6000 FIPS

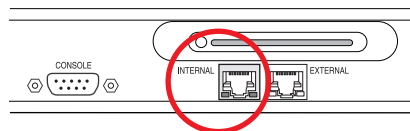


The Secure Access 4000 FIPS and Secure Access 6000 FIPS appliances ship with mounting brackets attached to the front of the chassis. Rack mount, connect included cables, and power on the IVE according to the steps outlined in the following sections.

Secure Access 4000 FIPS

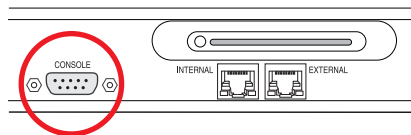
1. Using the attached mounting brackets, mount the Secure Access 4000 FIPS appliance in your server rack.
2. On the rear panel, plug the power cord into the AC receptacle.
3. On the front panel:
 - a. Plug the Ethernet cable into the “INTERNAL” port. Once you apply power to the IVE, the internal port uses two LEDs to indicate the LAN connection status, which is described in Table 1 on page 8.

Figure 13: The internal port is located on the front panel



- b. Plug the serial cable into the console port.

Figure 14: The console port is located on the front panel



- c. Push the power switch in the right corner. The green LED below the power switch turns on. The hard disk light turns on whenever the appliance reads data from or writes data to the hard disk.

Hardware installation is complete after you rack-mount the appliance, connect the power, network, and serial cables, and turn on the power. The next step is to connect to the appliance’s serial console as described in “Step 2: Performing basic setup” on page 9.

Secure Access 6000 FIPS

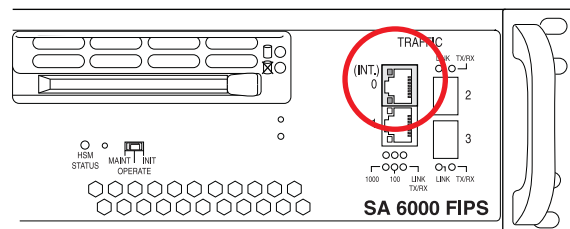
1. Using the attached mounting brackets, mount the Secure Access 6000 FIPS appliance in your server rack.
2. On the rear panel, connect a power cord to each of the AC power supplies.



NOTE: Although your Secure Access 6000 FIPS appliance can operate normally on only one power supply, to take advantage of the power redundancy feature available on the Secure Access 6000 FIPS appliance, you must connect power to both of the power supplies.

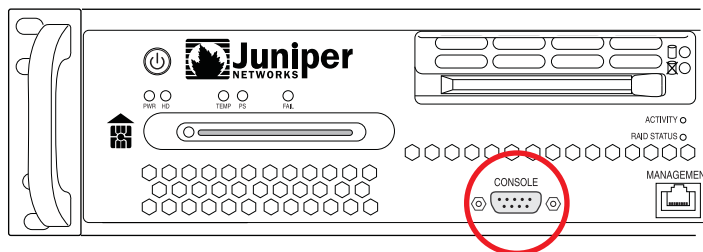
3. On the front panel:
 - a. Plug the Ethernet cable into the “INT” (for internal) port. Once you apply power to the IVE, the internal port uses two LEDs to indicate the LAN connection status, which is described in Table 1 on page 8.

Figure 15: The internal port is located on the front panel



- b. Plug the serial cable into the console port.

Figure 16: The console port is located on the front panel



- c. Push the power switch in the left corner. The green LED below the power switch turns on. The IVE hard disk light turns on whenever the appliance reads data from or writes data to one of the hard disks.

Hardware installation is complete after you rack-mount the appliance, connect the power and network cables, and turn on the power. The next step is to connect to the appliance’s serial console as described in “Step 2: Performing basic setup” on page 9.

LED and Module Status light behavior

Table 1: Internal port LEDs

LAN Status	LED 1	LED2
10 Mbps connection	Off	N/A
100 Mbps connection	Green	N/A
1000 Mbps connection	Orange	N/A
Data is being transferred	Orange, Green, or Off	Blinking
No connection	Off	Off

Table 2: Secure Access FIPS — Hardware Security Module Status light

LAN Status	LED 1	Description
Pre-initialization state	Single, short flashes	The module is ready for initialization.
Operational state	Mainly on but regularly blinks off	The mode switch is set to O (operational). Set to I to start initialization.
Pre-maintenance state	Single, long flashes	The mode switch is set to M (maintenance). Set to I to start initialization.

Step 2: Performing basic setup

When you boot an unconfigured Secure Access or Secure Access FIPS 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 or Secure Access FIPS 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 17: 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.

If you are setting up a Secure Access 700, 2000, 4000, or 6000, we strongly recommend that you import a signed digital certificate from a trusted certificate authority (CA) before deploying the IVE for production use.

If you are setting up a Secure Access FIPS 4000 or 6000, you must use the IVE Administrator Web console to generate a new Certificate Signing Request before you can deploy the IVE for production use.

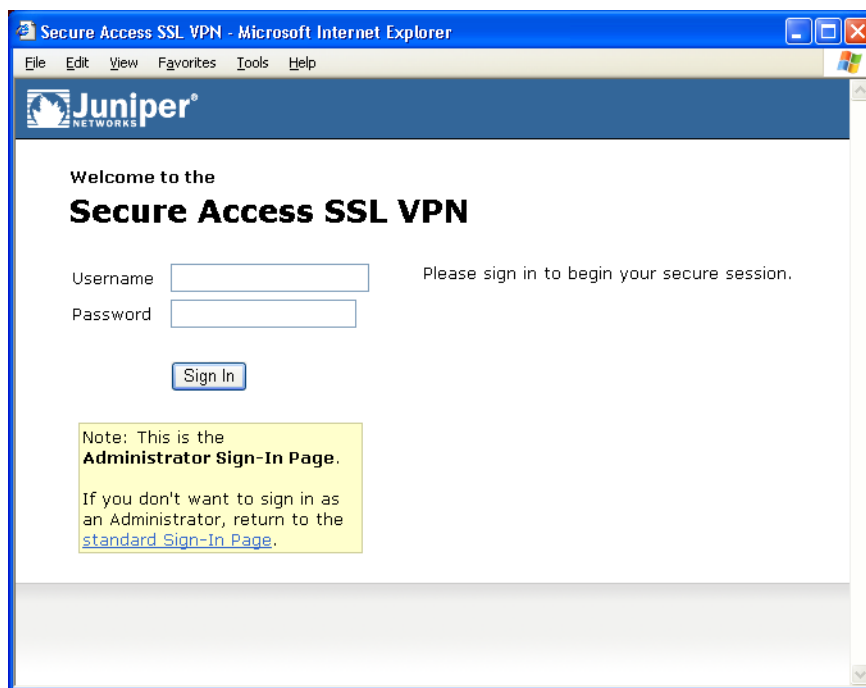
For more information, refer to the “Certificates” chapter in the *Juniper Networks Secure Access Administration Guide*.

5. If you are installing a Secure Access FIPS appliance:
 - a. When prompted by the serial console, set the mode switch to **INIT** (initialization mode). The blue hardware security module (HSM) LED indicates the hardware security module’s mode, which is described in Table 2 on page 8.
 - b. Specify the number of Smart Cards you are initializing.
 - c. Insert one of the Smart Cards into the reader with the circuit contacts facing up until the Smart Card Reader module’s light turns from red to green. Do not remove the card while the module is in **INIT** mode.
 - d. The LED on the Smart Card Reader module turns green when a card is inserted. It does not, however, indicate that the card has been inserted *correctly*. Ensure that you insert the Smart Card with the circuit connector facing up and that the card is inserted facing the right direction.
 - e. Enter a Smart Card administrator pass phrase—one per administrative Smart Card you are initializing.
 - f. Return the mode switch to **OPERATE** (operational mode).

After entering all information, you have completed the serial console setup. When the IVE prompts you with the option to modify your settings, choose the appropriate option or continue.

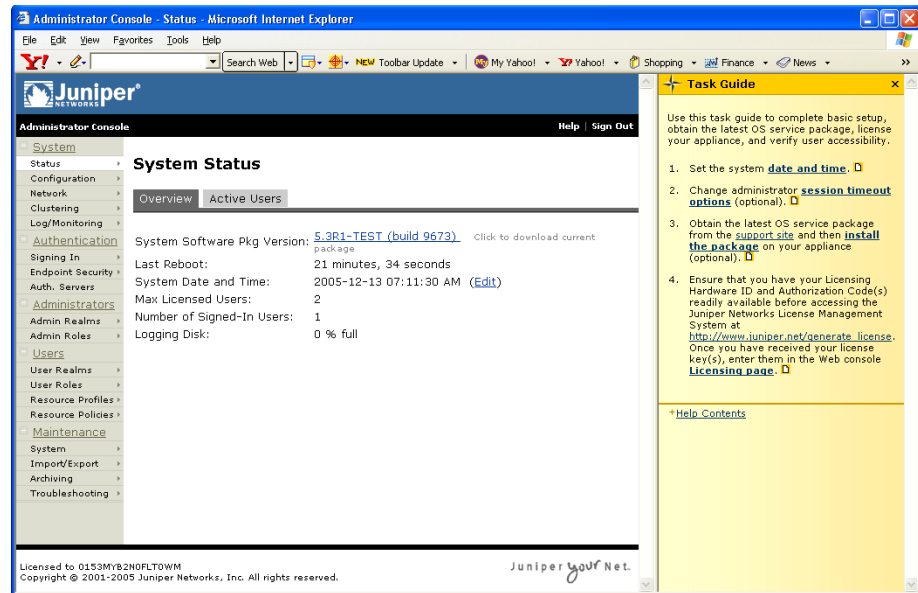
6. In a browser, enter the machine's URL followed by `/admin` to access the administrator sign-in page. The URL is in the format: `https://a.b.c.d/admin`, where `a.b.c.d` is the machine IP address you entered in step 4. When prompted with the security alert to proceed without a signed certificate, click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

Figure 18: Administrator sign-in page



7. 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 19: System > Status > Overview page



Step 3: Licensing and configuring your IVE

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 or Secure Access FIPS appliance, 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.