
IBM Security Network Intrusion Prevention System Getting Started Instructions for GX7000 Series Appliances

This document helps you do the following tasks:

- Connect the appliance
- Configure network settings
- Connect to IPS Local Management Interface
- Install the product license
- Update the appliance

After you finish these tasks:

- Use the applicable IBM® Security Network Intrusion Prevention System (IPS) Installation Guide to install specific firmware versions
- Use the applicable IBM Security Network Intrusion Prevention System (IPS) Appliance User Guide or Help system to
 - Set up appliance management
 - Configure your security policies, including specifying events and responses
 - Create firewall rules to protect your network
 - Track alerts
 - Monitor important system information

Reference Key

GX7000 Series appliance forms may vary from the image below depending on the model.



- **A: LCD Controller Module** - used for initial network configuration, restarting or shutting down the appliance, and obtaining IPS version information. Also used to view the serial number of the appliance, if desired.
- **B: Management Ports** -

Management Port 1 is used to communicate with IPS Local Management Interface and SiteProtector Management

Management Port 2 is used exclusively for sending TCP Reset responses

- **C: Serial Console Port** - used for terminal-based setup and recovery.
- **D: USB Ports** - used for retrieving data and installing firmware.
- **E: Protected Ports** - used for either inline intrusion prevention (IPS mode) or passive intrusion detection (IDS mode). Inline prevention uses a pair of ports per segment. Passive detection uses a single port per segment.

Requirements

The following list identifies much of the equipment needed to cable the appliance.

- Power cable
- Serial console cable
- Ethernet crossover cable
- For each inline segment:
 - A pair of Ethernet cables, straight-through or crossover, depending on your network type
 - A crossover adapter
- Additional Ethernet cables, as needed
- PC with a web browser and an Internet connection

Cable the appliance

Keep management and monitoring communication separate so that network traffic can pass uninterrupted through the appliance's network interface card (NIC).

Procedure

1. Connect the power cable(s) to the appliance. If your appliance has two power cords, you must connect both.
2. Connect Management port 1 to the network you will use to manage the appliance.

Note: TCP Reset: Management port 2 is the TCP Reset port. The appliance does not send TCP Reset responses from this port until you configure TCP Reset.

3. Connect the network cables to the protected ports. To run the appliance in passive mode, only connect the first protected port in the pair to the network.
4. Turn on the appliance.

Network information

Record the network information needed to configure the appliance.

Setting	Your network information
IP address	When you start the appliance, the appliance has an address assigned to it.
Subnet mask	_____ - _____ - _____
Default gateway	_____ - _____ - _____

Options for connecting to the network

You have many options to connect the appliance to the network.

The best practice is to use zero configuration networking and then to use IPS Setup, the web-based configuration wizard, to configure network settings for the IPS system. Find specific information on this method in the Installation Guide, Chapter 2. "Configuring network settings for the Network IPS system," located on the IBM Security Product Information Center at <http://publib.boulder.ibm.com/infocenter/sprotect/v2r8m0/index.jsp>, in the IBM Security Network IPS section.

If not using zero configuration networking, use one of the following methods to configure a network connection:

- "Configure a network connection using a serial console"
- "Configure a network connection using the LCD panel"

Configure a network connection using a serial console

Procedure

1. Connect the serial console cable to the appliance and a computer to complete the initial configuration.
2. Connect to the appliance using Hyperterminal or another terminal emulation program. Follow the instructions listed in the documentation for the chosen program.
3. Use the following settings to connect.

Option	Description
Communication Port	Typically COM1
Emulation	VT100
Bits per second	9600
Data bits	8
Parity	None
Stop bits	1
Flow control	None

What to do next

Go to the next procedure in the getting started process, "Configuring network settings" on page 4.

Configure a network connection using the LCD panel

About this task

Note: You cannot use an IPv6 address when using the LCD panel. If using an IPv6 address, connect to the network using a serial console.

Procedure

1. Determine and record your subnet mask and default gateway. When you start the appliance, the appliance has an address assigned to it. Use this IP address for setup or change it to a desired address.
2. Press **Enter** on the LCD panel. The LCD displays a message asking if you want to set up the network.
3. Select **OK**, and then press **Enter**.
4. Press **Enter** again to display the IP Address screen. If you do not want to change the IP address, record the address for your records, then press **Enter** to move onto the Subnet Mask screen. If you want to change the address to another IPv4 address, use this screen.

5. Press **UP** and **DOWN** to select numbers and then press the **Right** arrow to move to the next field.
6. When you have completed all the fields, press **Enter**.
7. Select **OK** to move forward, and then press **Enter** to confirm your selection.
8. Provide the subnet mask and default gateway just like the IP address.
9. After you enter all your network information, a final confirmation screen appears. Select **OK** to save all network information and enable the Management port, or select **Cancel** to not save any information.
10. After you confirm the settings, the appliance generates a temporary, case-sensitive password. **Record this password**; you must use it when you log on to the appliance.
11. Connect to the appliance using a secure network connection and the appliance's IP address to complete the initial configuration.

What to do next

Go to the next procedure in the getting started process, "Configuring network settings."

Configuring network settings

Configure your appliance using a version of IPS Setup (either web-based or on the appliance) after using zero configuration networking or after configuring a network connection using a serial console or the LCD panel.

Configure appliance settings

Use one of the following procedures to access IPS Setup depending on the method used to connect the appliance to the network.

Note: IPS Setup offers the option to upload a license. The appliance needs a properly configured license file to run at full capability. For more information concerning uploading licenses, see the section "Install the product license" on page 5.

Method	Actions
Zero configuration networking	<ol style="list-style-type: none"> 1. From the Bonjour menu, select the Network IPS system you want to configure. The Network IPS name is displayed as "IBM Security <MODEL>-<SERVICE>[ID#]" 2. At the unconfigured login prompt, type the following login credentials, and then press Enter: <ul style="list-style-type: none"> • Username = admin • Password = admin 3. Follow the on screen instructions to complete the setup <p>Note: For specific information on this procedure, see the Installation Guide at http://publib.boulder.ibm.com/infocenter/sprotect/v2r8m0/index.jsp, in the IBM Security Network IPS section.</p>

Method	Actions
Serial console	<ol style="list-style-type: none"> 1. Connect to the appliance using a secure network connection and the appliance's IP address 2. At the unconfigured login prompt, type the following login credentials, and then press Enter: <ul style="list-style-type: none"> • Username = admin • Password = admin 3. Follow the on screen instructions to complete the setup
LCD panel	<ol style="list-style-type: none"> 1. Connect to the appliance using a secure network connection and the appliance's IP address 2. At the unconfigured login prompt, type the following login credentials, and then press Enter: <ul style="list-style-type: none"> • Username = admin • Password = the case-sensitive password the appliance generated for you 3. Follow the on screen instructions to complete the setup

Connecting to IPS Local Management Interface

IPS Local Management Interface is the web-based management interface you use to monitor appliance status, to configure and manage settings, and to review and manage appliance activities.

About this task

Procedure

1. Start your web browser.
2. Type `https://<appliance IP address>` or type `https://<appliance host name>` if you are using a DNS server.
3. If needed, log in using the user name `admin` and the applicable IPS Local Management Interface password.

Install the product license

IBM Security Network IPS requires a properly configured license file in order to run at full capability. You must save the license file to the appropriate location so that the IPS Local Management Interface software can locate and acknowledge it.

About this task

Register your customer license and download the license from the IBM Security Registration Center. If the license was not uploaded during initial configuration, install the license using the menu option **Manage System Settings** → **Updates and Licensing** → **Administration**.

Note: For more information on installing a product license and applying initial updates, see the Installation Guide located at <http://publib.boulder.ibm.com/infocenter/sprotect/v2r8m0/index.jsp>, in the IBM Security Network IPS section.

Apply initial updates

Ensure you have applied the latest updates to the appliance.

You can install the following update types:

- Firmware updates: These updates include new program files, fixes or patches, enhancements, or Help updates.
- Intrusion prevention updates: These updates contain the most recent security content provided by the IBM X-Force research and development team.

Apply initial updates using the menu option **Manage System Settings** → **Updates and Licensing** → **Administration**.

Note: For specific information on installing a product license and applying initial updates, see the Installation Guide located at <http://publib.boulder.ibm.com/infocenter/sprotect/v2r8m0/index.jsp>, in the IBM Security Network IPS section.

Next steps

Recovery CDs

To create a recovery CD of your IBM Network Security IPS firmware, download and save the firmware from the IBM Security Download Center located at <http://www.iss.net/download/>. Find information about installing Network IPS firmware in the Installation Guide located on the IBM Security Product Information Center at <http://publib.boulder.ibm.com/infocenter/sprotect/v2r8m0/index.jsp>, in the IBM Security Network IPS section.

Getting the latest documentation

To configure advanced settings, including management, security, and firewall settings, see the applicable User Guide or Help system for more information. Find the latest documentation on the IBM Security Product Information Center at <http://publib.boulder.ibm.com/infocenter/sprotect/v2r8m0/index.jsp>.

Customer Support

IBM Security Solutions provides technical support to customers that are entitled to receive support.

Before you contact IBM Security Solutions about a problem, see the IBM Support Portal at http://www-947.ibm.com/support/entry/portal/Overview/Software/Software_support_%28general%29.

If you need to contact technical support, use the methods described in the IBM Software Support Guide at <http://www14.software.ibm.com/webapp/set2/sas/f/handbook/home.html>. The guide provides the following information:

- Registration and eligibility requirements for receiving support
- Customer support telephone numbers for the country in which you are located
- A list of information you must gather before contacting customer support

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