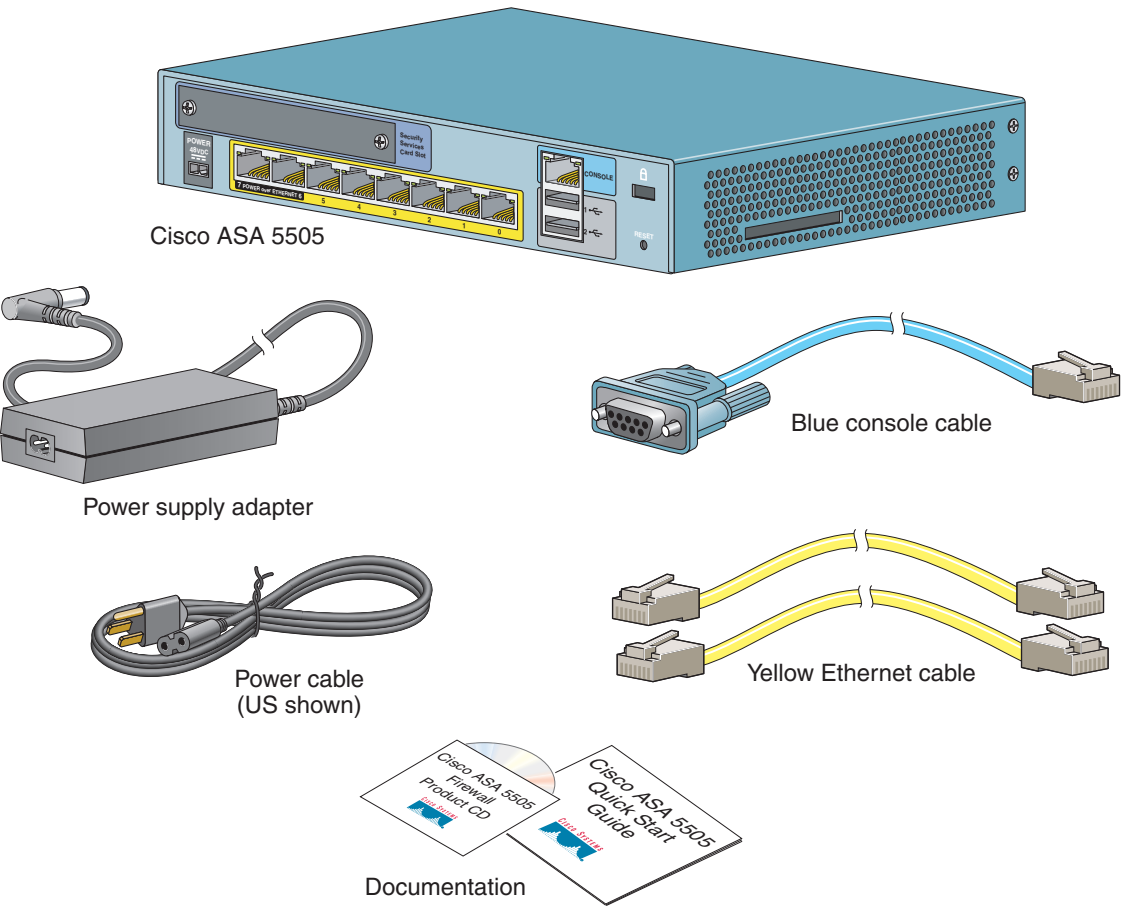




Note Read the safety warnings in the Regulatory Compliance and Safety Information (RCSI), and follow proper safety procedures when performing the steps in this guide. See <http://www.cisco.com/go/asadocs> for links to the RCSI and other documents.

1. Verifying the Package Contents

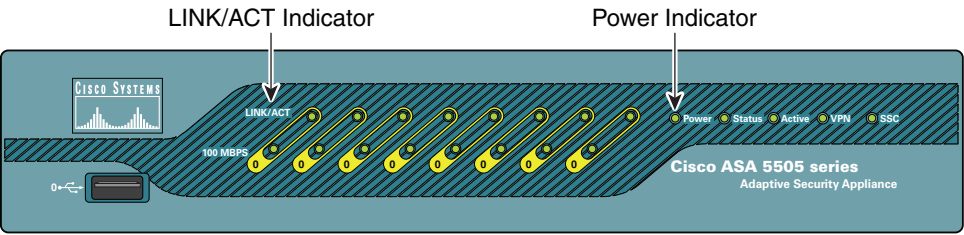


3. Powering on and Verifying Interface Connectivity

- Step 1** Connect the power supply adaptor to the power cable.
- Step 2** Connect the rectangular connector of the power supply adaptor to the power connector on the rear panel of the ASA.
- Step 3** Connect the AC power connector of the power cable to an electrical outlet. (The ASA does not have a power switch. Completing this step powers on the device.)
- Step 4** Check the Power LED on the front of the ASA; if it is solid green, the device is powered on.
- Step 5** Check your management PC to make sure it received an IP address on the 192.168.1.0/24 network using DHCP.
- Step 6** Check the LINK/ACT indicators to verify interface connectivity.

Interface Connectivity

Each Ethernet interface has an LED to indicate a physical link is established. When the LED is solid green, a link is established. When the LED is flashing green, there is network activity.



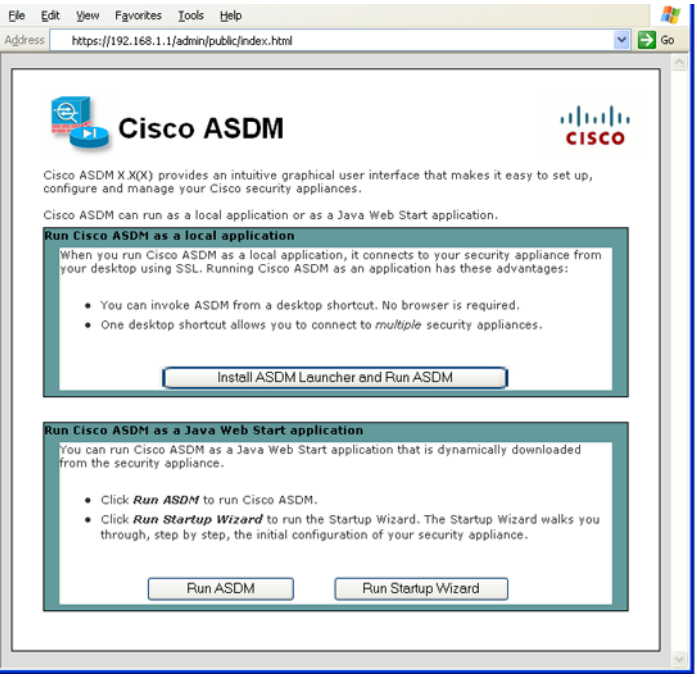
If a LINK/ACT LED is not lit, the link could be down due to a duplex mismatch. If auto-negotiation is disabled, verify you are using a straight-through Ethernet cable.

For a description of all chassis components, see the hardware installation guide on Cisco.com.

5. Launching ASDM

See the ASDM release notes on Cisco.com for the requirements to run ASDM.

- Step 1** On the PC connected to the ASA, launch a web browser.
- Step 2** In the Address field, enter the following URL:
- `https://192.168.1.1/admin`
- The Cisco ASDM web page appears.



- Step 3** Click Run Startup Wizard.
- Step 4** Accept any certificates according to the dialog boxes that appear. The Cisco ASDM-IDM Launcher appears.
- Step 5** Leave the username and password fields empty and click OK.
- The main ASDM window appears and the Startup Wizard opens. See “6. Running the Startup Wizard.”

2. Installing the Chassis

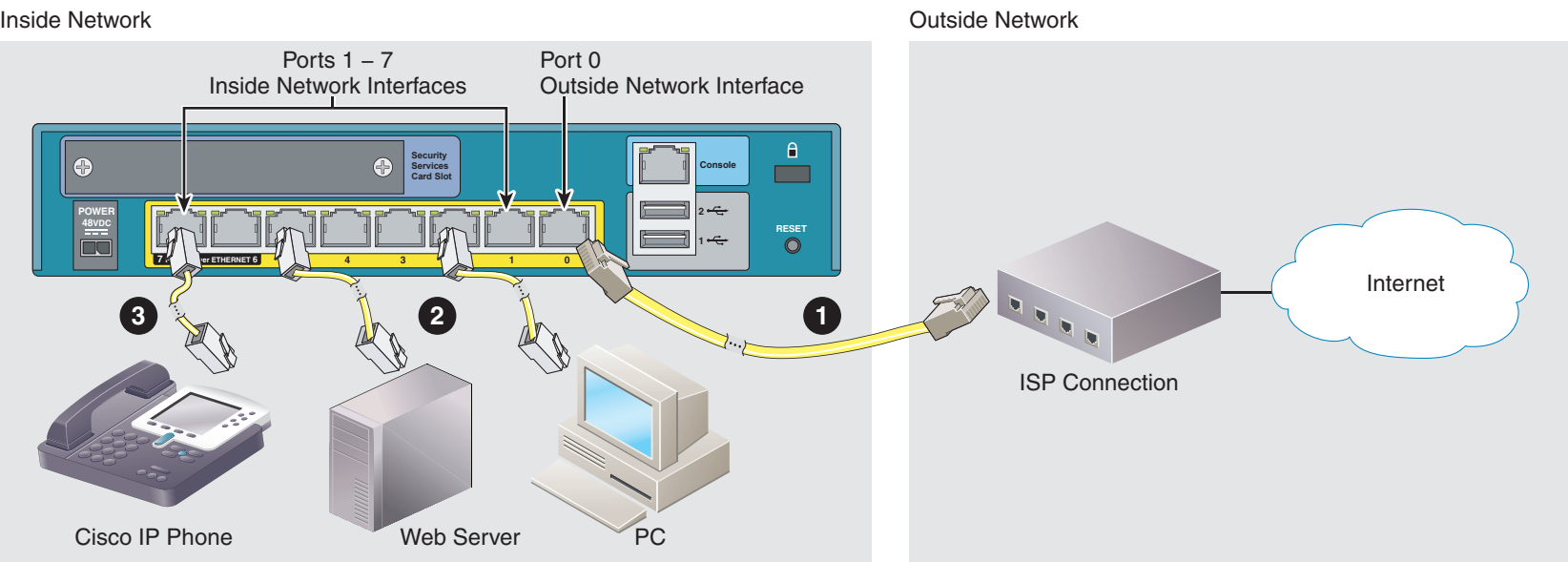
The ASA ships with a default configuration that includes two preconfigured networks (the Inside network and the Outside network) and an Inside interface configured for a DHCP server. Clients on the Inside network obtain a dynamic IP address from the ASA so that they can communicate with each other as well as with devices on the Internet.

- Step 1** Connect one end of a yellow Ethernet cable to Ethernet 0 on the ASA. (By default, Ethernet 0 is the Outside interface.) Connect the other end to a cable/DSL/ISDN modem (the Outside network).
- Step 2** Connect your devices (such as PCs, printers, and servers) with Ethernet cables to Ethernet 1 through 7.



Note Connect a PC to the ASA so that you can run the Adaptive Security Device Manager (ASDM). See “4. Initial Configuration Considerations.”

- Step 3** Connect Power over Ethernet (PoE) devices (such as Cisco IP Phones or network cameras) with Ethernet cables to switch ports 6 or 7 (the only ports providing power to PoE devices).



If you connect a server (such as a web server) to the ASA, you can use ASDM to make services on that server accessible by internal and external users. See “7. (Optional) Allowing Access to Public Servers Behind the ASA.”

4. Initial Configuration Considerations

The ASA ships with a default configuration that, in most cases, is sufficient for your basic deployment. You configure the ASA by using ASDM. ASDM is a graphical interface that allows you to manage the ASA from any location by using a web browser.

However, changing certain settings is recommended or required. For example, you should change the following settings from their defaults:

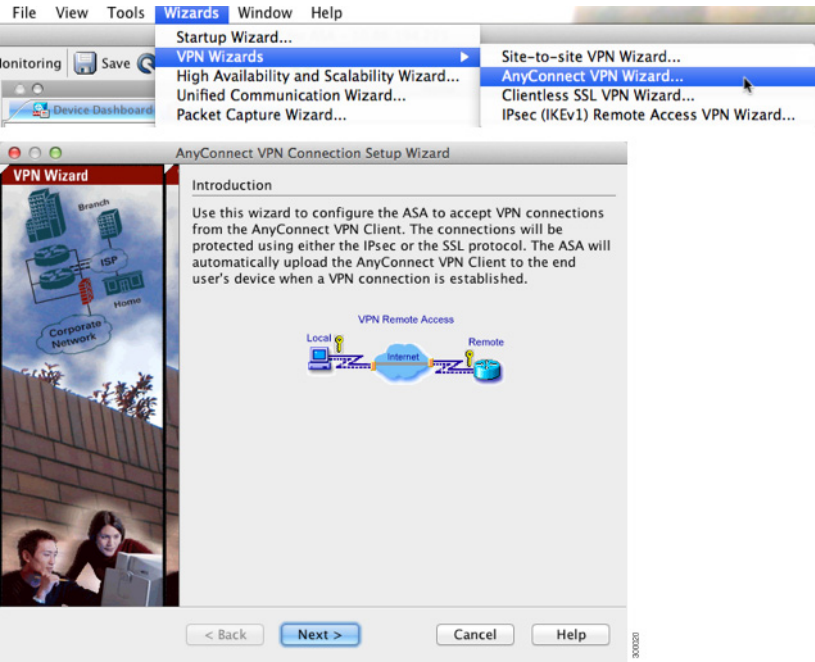
- The privileged mode (enable) password that is required to administer the ASA through ASDM and the CLI
- When using the ASA as a VPN endpoint (using the SSL VPN features):
 - The hostname, domain name, and DNS server names
 - Outside interface IP address to a static address
 - Identity certificate
 - WINS names when access to Windows file shares is required

Use the Start up Wizard in ASDM to make these changes. See “6. Running the Startup Wizard.”

6. Running the Startup Wizard

Run the **Startup Wizard** to modify the default configuration so that you can customize the security policy to suit your deployment. Using the startup wizard, you can set the following:

- Hostname
- Domain name
- Administrative passwords
- Interfaces
- IP addresses
- Static routes
- DHCP server
- Network address translation rules
- and more...



- Step 1** If the wizard is not already running, in the main ASDM window, choose **Wizards > Startup Wizard**.
- Step 2** Follow the instructions in the Startup Wizard to configure your ASA.
- Step 3** While running the wizard, you can accept the default settings or change them as required. (For information about any wizard field, click **Help**.)

7. (Optional) Allowing Access to Public Servers Behind the ASA

ASA 8.2 and Later

The Public Server pane automatically configures the security policy to make an inside server accessible from the Internet. As a business owner, you might have internal network services, such as a web and FTP server, that need to be available to an outside user. You can place these services on a separate network behind the ASA, called a demilitarized zone (DMZ). By placing the public servers on the DMZ, any attacks launched against the public servers do not affect your inside networks.

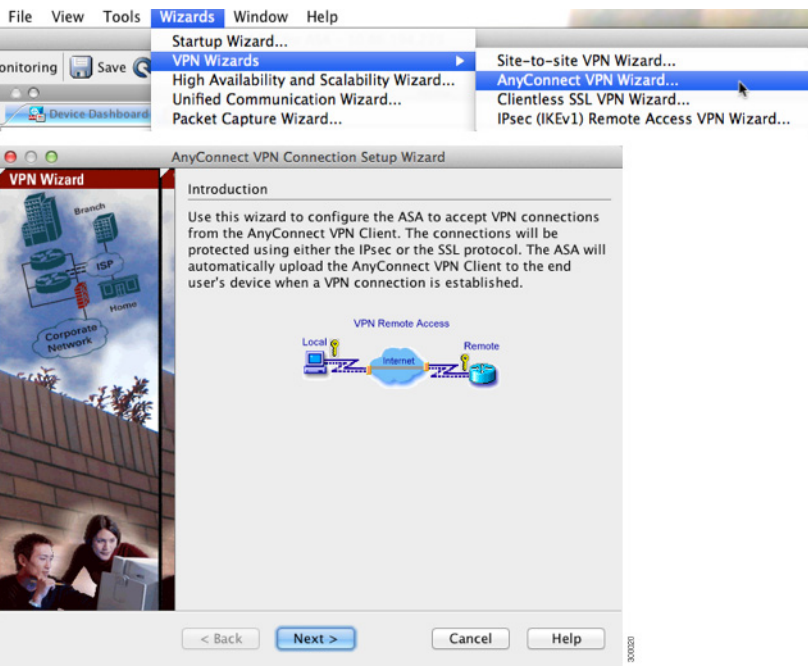


Step 1 In the main ASDM window, choose **Configuration > Firewall > Public Servers**. The Public Server pane appears.

Step 2 Click **Add**, then enter the public server settings in the Add Public Server dialog box. (For information about any field, click **Help**.)

Step 3 Click **OK**. The server appears in the list.

Step 4 Click **Apply** to submit the configuration to the ASA.



Step 1 In the main ASDM window, choose **Wizards > VPN Wizards**, then choose one of the following:

- Site-to-Site VPN Wizard
- AnyConnect VPN Wizard
- Clientless VPN Wizard
- IPsec (IKEv1) Remote Access VPN Wizard

Step 2 Follow the wizard instructions. (For information about any wizard field, click **Help**.)

8. (Optional) Running VPN Wizards

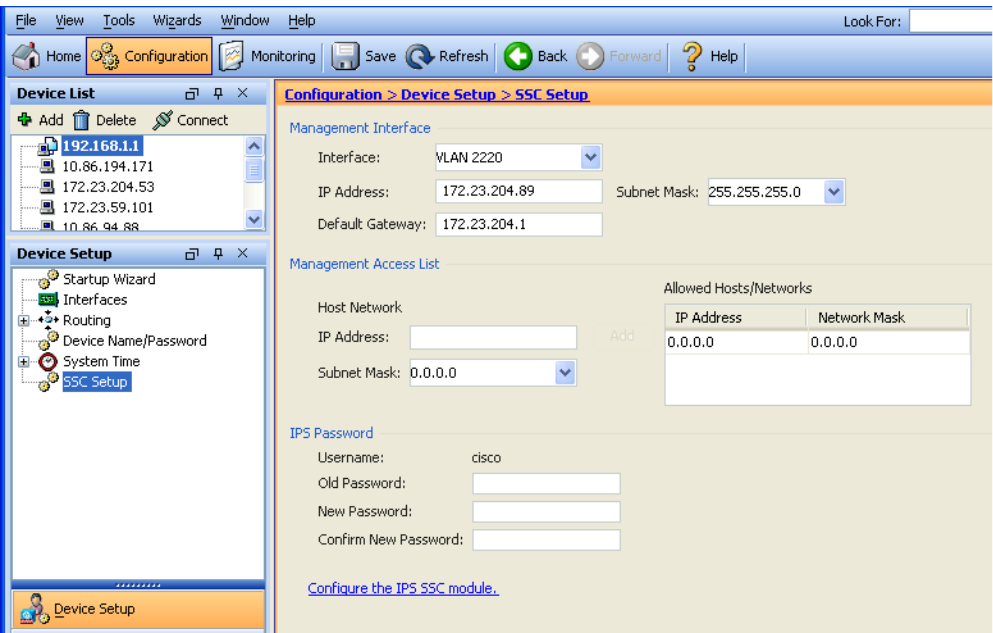
You can configure VPN using the following wizards:

- Site-to-Site VPN Wizard—Creates an IPsec site-to-site tunnel between two ASAs.
- (ASA 8.0 and later) AnyConnect VPN Wizard—Configures SSL VPN remote access for the Cisco AnyConnect VPN client. AnyConnect provides secure SSL connections to the ASA for remote users with full VPN tunneling to corporate resources. The ASA policy can be configured to download the AnyConnect Client to remote users when they initially connect via a browser. With AnyConnect 3.0 and later, the client can run either the SSL or IPsec IKEv2 VPN protocol.
- (ASA 8.0 and later) Clientless SSL VPN Wizard—Configures clientless SSL VPN remote access for a browser. Clientless, browser-based SSL VPN lets users establish a secure, remote-access VPN tunnel to the ASA using a web browser. After authentication, users access a portal page and can access specific, supported internal resources. The network administrator provides access to resources by users on a group basis. ACLs can be applied to restrict or allow access to specific corporate resources.
- IPsec (IKEv1) Remote Access VPN Wizard—Configures IPsec VPN remote access for the Cisco IPsec client.

10. (Optional) Configuring the IPS Module

ASA 8.2 and Later

If your ASA came installed with a Security Services Card (SSC), you can use ASDM to set up the SSC and configure the Intrusion Prevention System (IPS) application to run on the SSC. An SSC does not have any external interfaces.




Step 1 In the main ASDM window, choose **Configuration > Device Setup > SSC Setup**. The SSC pane appears.


Step 2 Complete the SSC setup fields and click **Apply**. (For information about any field, click **Help** in the dialog box.)


Step 3 To configure the IPS module on the SSC, click the Configure the IPS SSC module link. The Startup Wizard appears. Click **Launch Startup Wizard**. (Alternatively, you can choose **Configure > IPS > Sensor Setup > Startup Wizard** to access the wizard.)

For more information about configuring the IPS module, see the IPS module quick start guide on Cisco.com.



QUICK START GUIDE



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Cisco ASA 5505 Adaptive Security Appliance