



Configure a Basic Policy

Configure licensing and add onto your default configuration using ASDM wizards.

- (Optional) [Change the IP address, on page 1](#)
- [Log Into ASDM, on page 2](#)
- [Configure licensing, on page 3](#)
- [Configure the ASA with the Startup Wizard, on page 6](#)

(Optional) Change the IP address

By default, you can launch ASDM from the following interfaces:

- Ethernet 1/2—192.168.1.1
- Management 1/1—IP address from DHCP

If you cannot use the default IP address, you can set the IP address of the Ethernet 1/2 interface at the ASA CLI.

Procedure

Step 1 Connect to the console port and access global configuration mode. See [Access the ASA CLI](#).

Step 2 Restore the default configuration with your chosen IP address.

configure factory-default [*ip_address* [*mask*]]

Example:

```
ciscoasa(config)# configure factory-default 10.1.1.151 255.255.255.0
Based on the management IP address and mask, the DHCP address
pool size is reduced to 103 from the platform limit 256
```

```
WARNING: The boot system configuration will be cleared.
The first image found in disk0:/ will be used to boot the
system on the next reload.
Verify there is a valid image on disk0:/ or the system will
not boot.
```

Begin to apply factory-default configuration:

```
Clear all configuration
Executing command: interface ethernet1/2
Executing command: nameif inside
INFO: Security level for "inside" set to 100 by default.
Executing command: ip address 10.1.1.151 255.255.255.0
Executing command: security-level 100
Executing command: no shutdown
Executing command: exit
Executing command: http server enable
Executing command: http 10.1.1.0 255.255.255.0 management
Executing command: dhcpd address 10.1.1.152-10.1.1.254 management
Executing command: dhcpd enable management
Executing command: logging asdm informational
Factory-default configuration is completed
ciscoasa(config)#
```

- Step 3** Save the default configuration to flash memory.
- write memory**
-

Log Into ASDM

Launch ASDM so you can configure the ASA.

Procedure

- Step 1** Enter one of the following URLs in your browser.
- **https://192.168.1.1**—Inside (Ethernet 1/2) interface IP address.
 - **https://management_ip**—Management 1/1 interface IP address assigned from DHCP.

Note

Be sure to specify **https://**.

The **Cisco ASDM** web page appears. You may see browser security warnings because the ASA does not have a certificate installed; you can safely ignore these warnings and visit the web page.

- Step 2** Click **Install ASDM Launcher**.
- Step 3** Follow the onscreen instructions to launch ASDM.
- The **Cisco ASDM-IDM Launcher** appears.
- Step 4** Leave the username and password fields empty, and click **OK**.
- The main ASDM window appears.
-

Configure licensing

Register the firewall with the Smart Software Manager.

Before you begin

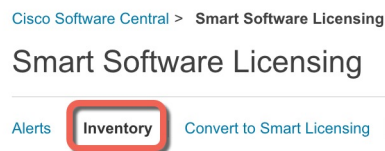
Obtain licenses for your firewall according to [Obtain licenses](#).

Procedure

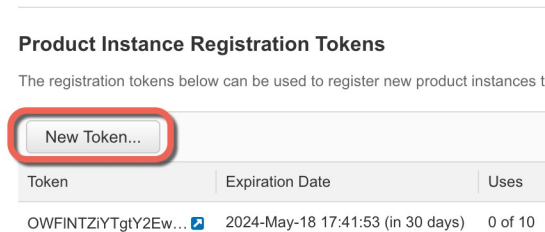
Step 1

In the [Cisco Smart Software Manager](#), request and copy a registration token for the virtual account to which you want to add this device.

- a) Click **Inventory**.



- b) On the **General** tab, click **New Token**.



- c) On the **Create Registration Token** dialog box enter the following settings, and then click **Create Token**:

?

×

Create Registration Token

This will create a token that is used to register product instances, so that they can use licenses from this virtual account. Once it's created, go to the Smart Licensing configuration for your products and enter the token, to register them with this virtual account.

Virtual Account:

Description:

Description

★ Expire After:

365

Days

Max. Number of Uses:

Between 1 - 365, 30 days recommended

The token will be expired when either the expiration or the maximum uses is reached

☒ Allow export-controlled functionality on the products registered with this token ⓘ

Create Token

Cancel

• Description

- **Expire After**—Cisco recommends 30 days.
- **Max. Number of Uses**
- **Allow export-controlled functionality on the products registered with this token**—Enables the export-compliance flag.

The token is added to your inventory.

- d) Click the arrow icon to the right of the token to open the **Token** dialog box so you can copy the token ID to your clipboard. Keep this token ready for later in the procedure when you need to register the ASA.

Figure 1: View Token

General | Licenses | Product Instances | Event Log

Virtual Account

Description: [Redacted]

Default Virtual Account: No

Product Instance Registration Tokens

The registration tokens below can be used to register new product instances to this virtual account.

New Token...

Token	Expiration Date	Uses	Export-Controlled
OWFINTZIYgtY2Ew.	2024-May-18 17:41:53 (in 30 days)	0 of 10	Allowed

Figure 2: Copy Token

Token

MjM3ZjIhYTIhZGQ4OS00Yjk2LTgzMGltMThmZTUyYjkyNmVhLTE1MDI5MTI1%0AMTMxMzh8YzdQdmgzMjA2VmFJN2dYQjI5QWRhOEpscDU4cWI5NFNWRUtsa2wz%hAMdndSTn%3D%NA

Press ctrl + c to copy selected text to clipboard.

MjM3ZjIhYTIhZGQ4OS00Yjk2LTgzMGltMThmZTUyYjkyNmVhLTE1MDI5MTI1%0AMTMxMzh8YzdQdmgzMjA2VmFJN2dYQjI5QWRhOEpscDU4cWI5NFNWRUtsa2wz%hAMdndSTn%3D%NA 2017-Aug-16 1

Step 2 In ASDM, choose **Configuration** > **Device Management** > **Licensing** > **Smart Licensing**.

Step 3 Set the licensing entitlements.

- Check **Enable Smart license configuration**.
- From the **Feature Tier** drop-down list, choose **Essentials**.

Only the Essentials tier is available.

- (Optional) For the **Context** license, enter the number of contexts.

You can use 10 contexts without a license. The maximum number of contexts depends on your model:

- Secure Firewall 1210—5 contexts
- Secure Firewall 1220—10 contexts

For example, to use the maximum of 10 contexts on the Firepower 1220, enter 8 for the number of contexts; this value is added to the default of 2.

- Secure Firewall 4200—250 contexts

For example, to use the maximum of 250 contexts on the Secure Firewall 4215, enter 240 for the number of contexts; this value is added to the default of 10.

- (Optional) Check **Enable Carrier** for Diameter, GTP/GPRS, SCTP inspection.
- Click **Apply**.
- Click the **Save** icon in the toolbar.

Step 4

Click **Register**.

To configure an HTTP proxy for Smart Licensing using Call Home, go to [Smart Call-Home](#). If you are using Smart Transport, configure the following:

☒ Enable Smart license configuration

Feature Tier: Essentials

Context: 3

☐ Enable strong-encryption protocol

For a more detailed overview on Cisco Licensing, go to cisco.com/go/licensingguide

Transport ☐ Call Home ☒ Smart Transport

Configure Transport URL

☒ Default ☐ Custom URL

Registration

Proxy URL

Proxy Port

Registration Status:

Register Renew ID Certificate Renew Authorization

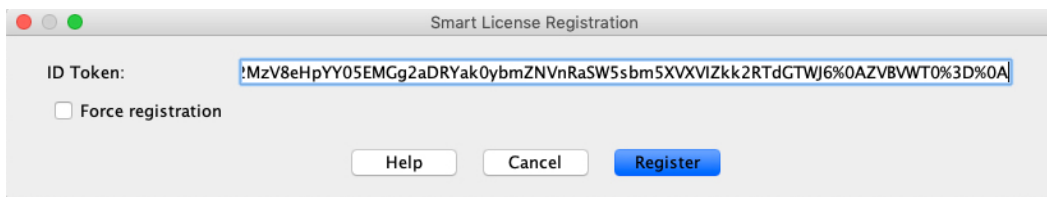
Effective Running Licenses

License Feature	License Value	License Duration
Maximum Physical Interfaces	Unlimited	
Maximum VLANs	512	
Inside Hosts	Unlimited	
Failover	Active/Active	
Encryption-DES	Enabled	
Encryption-3DES-AES	Disabled	
Security Contexts	5	
Carrier	Disabled	
Secure Client Premium Peers	150	
Secure Client Essentials	Disabled	
Other VPN Peers	150	
Total VPN Peers	150	
Secure Client for Mobile	Enabled	
Secure Client for Cisco VPN Phone	Enabled	
Advanced Endpoint Assessment	Enabled	
Shared License	Disabled	
Total TLS Proxy Sessions	220	

Reset Apply

Step 5

Enter the registration token from the [Cisco Smart Software Manager](#) in the **ID Token** field.



Step 6 Click **Register**.

ASDM refreshes the page when the license status is updated. You can also choose **Monitoring > Properties > Smart License** to check the license status, particularly if the registration fails.



Step 7 Quit ASDM and relaunch it.

When you change licenses, you need to relaunch ASDM to show updated screens.

Configure the ASA with the Startup Wizard

Using ASDM, you can use wizards to configure basic and advanced features. The Startup Wizard builds on the default configuration:

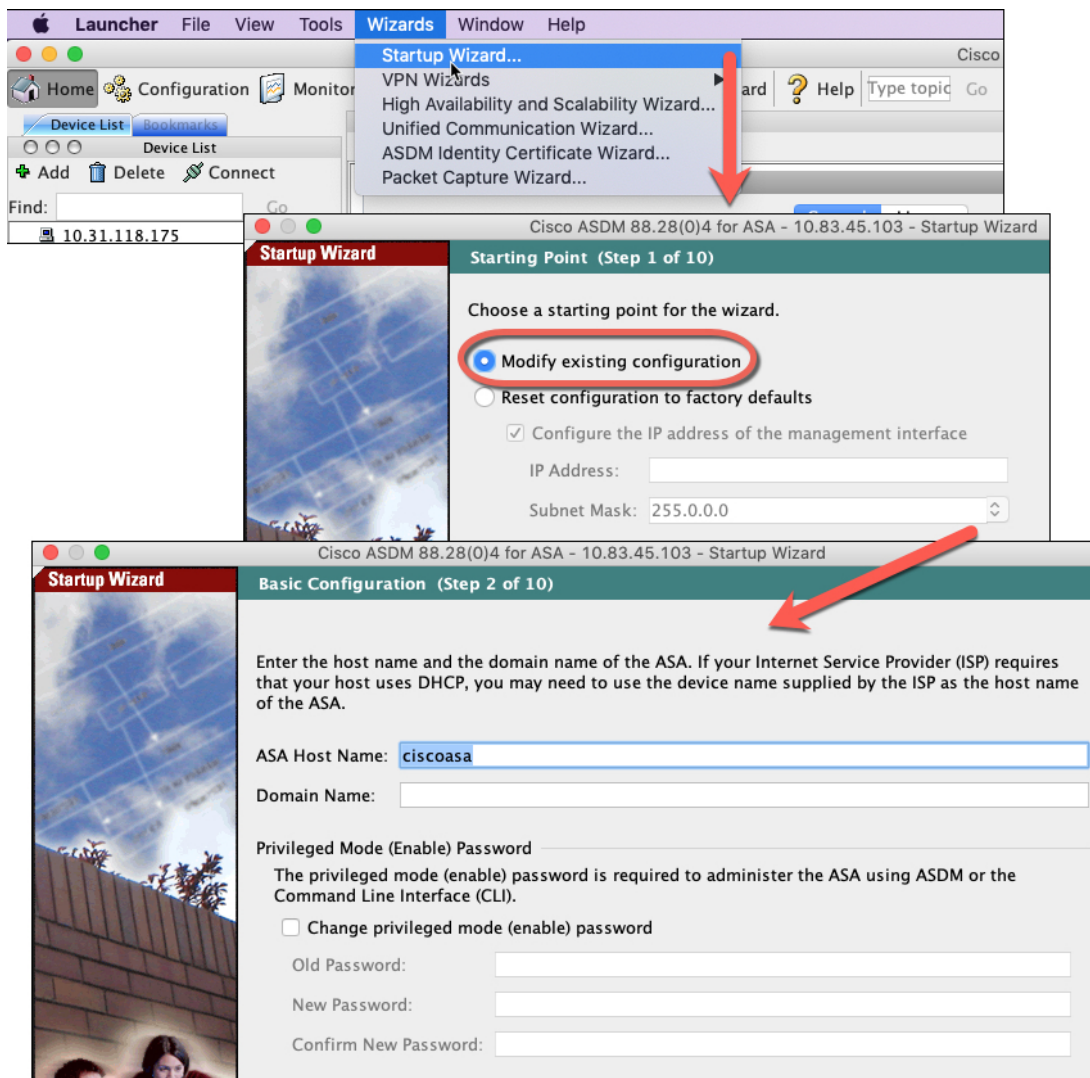
- inside→outside traffic flow
- Interface PAT for all traffic from inside to outside.

The Startup Wizard walks you through configuring:

- The enable password
- Interfaces, including setting the inside and outside interface IP addresses and enabling interfaces.
- Static routes
- The DHCP server
- And more...

Procedure

Step 1 Choose **Wizards > Startup Wizard**, and click the **Modify existing configuration** radio button.



Step 2 Click **Next** on each page to configure the features you want.

Step 3 For other wizards, see the [ASDM general operations configuration guide](#).

