



## QUICK START GUIDE



# Cisco C380 and Cisco C680 Email Security Appliance

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# **1 Welcome**

Thank you for choosing the Cisco C380 and Cisco C680 Email Security Appliance (Cisco C380 and Cisco C680).

The Cisco C380 and Cisco C680 appliance is designed to serve as your SMTP email gateway at your network perimeter—that is, the first appliance with an IP address that is directly accessible to the Internet for sending and receiving email. Many of the features (including reputation filtering, data loss prevention, content scanning, spam detection, and virus protection) require you to install the Cisco appliance into your existing network infrastructure.

This guide describes how to physically install your Cisco C380 and Cisco C680 appliance and use the System Setup Wizard to configure basic settings.

## 2 Before You Begin

Before you begin the installation, make sure that you have the items needed. The following items are included with the Cisco C380 and Cisco C680 Email Security Appliance:

- Quick Start Guide (this guide)
- Slide rail kit
- Power cables (2)
- Ethernet cable for connecting the appliance to your network
- RJ-45 to DB-9 cable for connecting a computer to the console port
- Cisco Content Security documentation pointer card



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**Note** Two locking keys are included with the locking faceplate version of the Cisco C680 appliance. Keep these keys safe because you will need the 4-digit key code to replace missing keys.

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You will need to provide the following items yourself:

- Rack cabinet enclosure (if rack-mounting the appliance)
- 10/100/1000 Base-TX TCP/IP LAN
- Desktop or laptop computer
- Web browser (or SSH and terminal software)
- Network and administrator information for the [“Document Network Settings”](#) section on page 4 and “go live” configuration

### 3 Document Network Settings

Before you begin, write down the following information about your network and administrator settings.

<b>System Settings</b>	
Default System Hostname:	
Email System Alerts To:	
Deliver Scheduled Reports To:	
Time Zone Information:	
NTP Server:	
Admin Password:	
SenderBase Network Participation:	Enable/Disable
AutoSupport:	Enable/Disable
<b>Network Integration</b>	
Default Gateway (Router) IP Address:	
DNS (Internet or Specify Own):	
<b>Interfaces</b>	
Data Port 1	
IP Address:	
Network Mask:	
Fully Qualified Hostname:	
Accept Incoming Mail Domain:	
Accept Incoming Mail Destination:	
Relay Outgoing Mail:	
Data Port 2	
IP Address:	
Network Mask:	
Fully Qualified Hostname:	
Accept Incoming Mail Domain:	
Accept Incoming Mail Destination:	
Relay Outgoing Mail:	
<b>Message Security</b>	
SenderBase Reputation Filtering:	Enable/Disable
Cisco Anti-Spam Scanning Engine:	Enable/Disable
McAfee Anti-Virus Scanning Engine:	Enable/Disable
Sophos Anti-Virus Scanning Engine:	Enable/Disable
Virus Outbreak Filters:	Enable/Disable

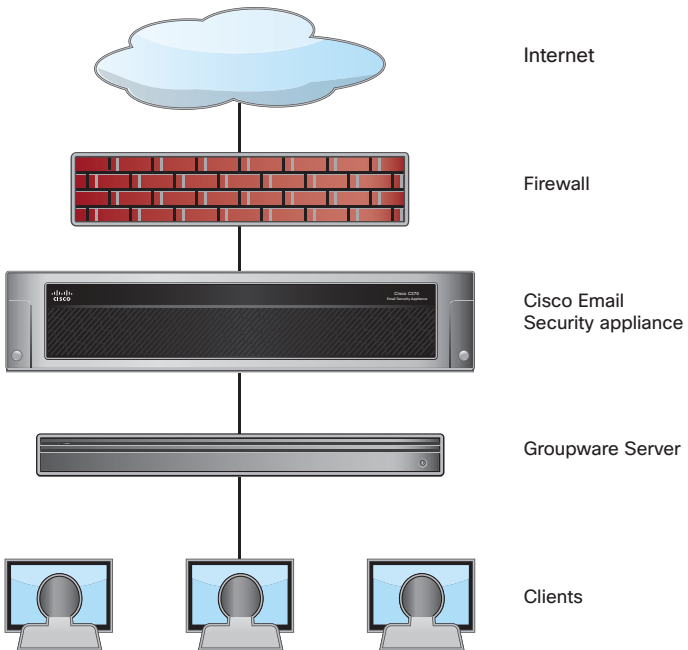
**Locking Faceplate**

4-digit code (for the C680-LKFP appliance)

## 4 Plan the Installation

To defend your email system against spam, viruses, phishing, and other threats, the Cisco C380 and Cisco C680 appliance must be installed at the perimeter of your network. It needs to be the first appliance with an IP address that can access the Internet.

Plan for your network configuration to look something like this:

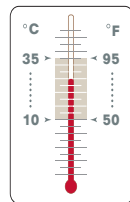
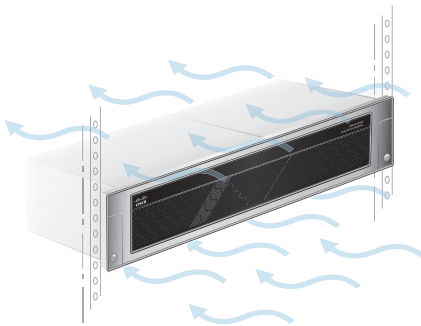


## 5 Install the Appliance in a Rack

Install the Cisco Cisco C380 and Cisco C680 Email Security Appliance using the slide rails supplied. For information about installing the appliance in a rack, see the *Cisco 380 and Cisco 680 Series Hardware Installation Guide*.

### Appliance Placement in a Rack

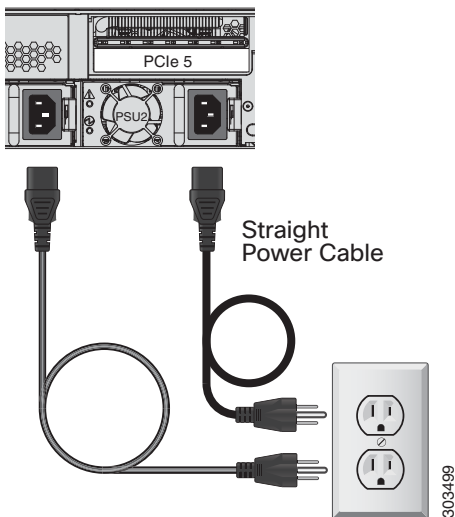
- Ambient Temperature—To prevent the appliance from overheating, do not operate it in an area that exceeds an ambient temperature of 104°F (40°C).
- Air Flow—Be sure that there is adequate air flow around the appliance.
- Mechanical Loading—Be sure that the appliance is level and stable to avoid any hazardous conditions.



Temperature Limits

## 6 Plug In the Appliance

Plug the female end of each straight power cable into the redundant power supplies on the back panel of the appliance. Plug the male end(s) into an electrical outlet.



## 7 Temporarily Change Your IP Address

To connect to the Cisco C380 and Cisco C680 appliance, you must temporarily change the IP address of your computer.



### Note

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Make a note of your current IP configuration settings because you will need to revert to these settings after you finish the configuration.

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## For Windows

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- Step 1** Go to the Start menu and choose **Control Panel**.
  - Step 2** Double-click **Network and Sharing Center**.
  - Step 3** Click **Local Area Connection** and then click **Properties**.
  - Step 4** Select **Internet Protocol (TCP/IP)** and then click **Properties**.
  - Step 5** Select **Use the Following IP Address**.
  - Step 6** Enter the following changes:
    - IP Address: **192.168.42.43**
    - Subnet Mask: **255.255.255.0**
    - Default Gateway: **192.168.42.1**
  - Step 7** Click **OK** and **Close** to exit the dialog box.
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## For Mac

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- Step 1** Launch the Apple menu and choose **System Preferences**.
  - Step 2** Click **Network**.
  - Step 3** Click the lock icon to allow changes.
  - Step 4** Select the Ethernet network configuration with the green icon. This is your active connection. Then click **Advanced**.
  - Step 5** Click the **TCP/IP** tab and from Ethernet settings, choose **Manually** from the drop-down list.
  - Step 6** Enter the following changes:
    - IP Address: **192.168.42.43**
    - Subnet Mask: **255.255.255.0**
    - Router: **192.168.42.1**
  - Step 7** Click **OK**.
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# 8 Connect to the Appliance

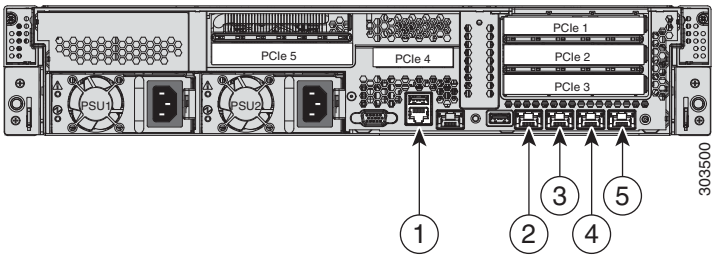
The Cisco C380 and Cisco C680 appliances have four gigabit network ports: Management, Data 1, Data 2, and Data 3. At least one static IP address is required to send and receive email.

You can receive and deliver email from a single connection to either network port if your network topology dictates it. Two IP addresses can be configured on one network interface.

Or, you can connect the Data 1 network port to your public network and connect the Data 2 network port to your private network.

To access and manage the appliance by Ethernet, use the management network port. The IPv4 address that has been assigned to the Management port by the factory is 192.168.42.42.

For serial access to the appliance's console port, use the RJ-45 to DB-9 Rollover cable provided in the accessory kit to connect the computer to the console port on the appliance.



Item	Port	Description
1	Console	Indicates the console port that directly connects a computer to the appliance.
2	Management interface	Indicates the Gigabit Ethernet interface that is restricted to management use only. Connect with a RJ-45 cable.
3	Data 1	Indicates the Gigabit Ethernet customer data interface Data 1.

Item	Port	Description
4	Data 2	Indicates the Gigabit Ethernet customer data interface Data 2.
5	Data 3	Indicates the Gigabit Ethernet customer data interface Data 3.

**Note**

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If you ordered a NIC card with your appliance, see the detailed information in the PCI NIC Slot Configurations section of the *Cisco 380 and Cisco 680 Series Hardware Installation Guide*.

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## 9 Power Up the Appliance

Power up the appliance by pressing the On/Off switch on the front panel of the Cisco C380 and Cisco C680. You must wait five minutes for the system to initialize each time you power up the system. After the machine powers up, a solid green light indicates that the appliance is operational.

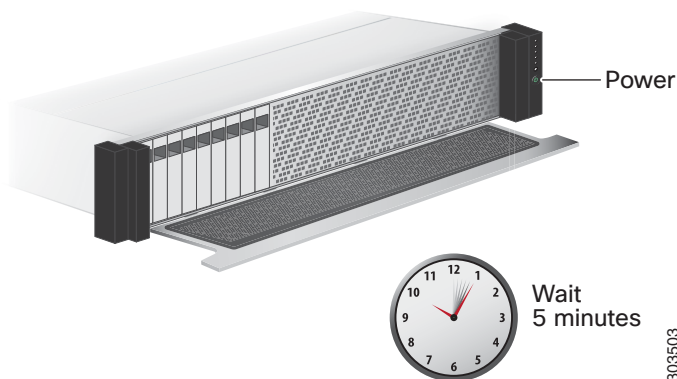


### Note

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If turned on quickly after connecting power to the appliance, the appliance powers up, the fans spin and the LEDs turn on. Within 30-60 seconds, the fans stop and all LEDs turn off. The appliance powers on 31 seconds later. This behavior is by design to allow the system firmware and controller to synchronize.

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# 10 Log In to the Appliance

You can log in to the Cisco C380 and Cisco C680 appliance using one of two interfaces: the web-based interface or the command-line interface.


## Web-Based Interface

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**Step 1** For web browser access via the Ethernet port (see the “[Connect to the Appliance](#)” section on page 10), go to the appliance’s management interface by entering the following URL in a web browser:

`http://192.168.42.42:8080`

## Welcome



The screenshot shows a web-based login interface. At the top, there is a dark blue header with the word "Login" in white. Below the header, there are two input fields: "Username:" and "Password:". The "Username:" field is on the left, and the "Password:" field is on the right. Both fields are empty. Below the input fields, there is a dark blue button with the word "Login" in white. To the right of the button, there is a vertical text label "303360".

**Step 2** Enter the following login information:

- Username: **admin**
- Password: **ironport**

**Step 3** Click **Login**.

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## Command-Line Interface

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- Step 1** For command-line interface access via the console port (see the [“Connect to the Appliance” section on page 10](#)), access the command-line interface terminal emulator using 9600 bits, 8 bits, no parity, 1 stop bit (9600, 8, N, 1) and flow control set to Hardware.
  - Step 2** Initiate a telnet or SSH session to the IP address 192.168.42.42.
  - Step 3** Log in as **admin** with the password **ironport**.
  - Step 4** At the prompt, run the **systemsetup** command.
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## 11 Run the System Setup Wizard

The System Setup Wizard starts automatically when you access the appliance via the web-based interface (or when you run the **systemsetup** command from the command-line interface) and displays the end user license agreement (also known as EULA).

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- Step 1** Start the System Setup Wizard.
  - Step 2** Accept the end user license agreement.
  - Step 3** Enter registration information.
  - Step 4** Enter information from the [“Document Network Settings” section on page 4](#).
  - Step 5** Set anti-spam and anti-virus security settings.
  - Step 6** Review the configuration summary page.
  - Step 7** Log back in to the appliance with the username **admin** and the new password that you set in the System Setup Wizard.

The Cisco C380 and Cisco C680 Email Security Appliance uses a self-signed certificate that may trigger a warning from your web browser. You can simply accept the certificate and ignore this warning.

**Step 8** Write down your new administrator password and keep it in a safe place.

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## 12 Run the Active Directory Wizard (Optional)

After running the System Setup Wizard in the web interface, the Active Directory Wizard appears. If you are running an Active Directory server on your network, use the Active Directory Wizard to configure an LDAP server profile for the Active Directory server.

If you are not using Active Directory or want to configure it later, click **Skip this Step**. You can run the Active Directory Wizard later by going to **System Administration > LDAP**. Select the “using Active Directory Wizard” check box, and then click **Add LDAP Server Profile**.



### Note

You will need the hostname and login information for your Active Directory account to run the Active Directory Wizard.

Active Directory Wizard	
Enter a profile name:	<input type="text"/> <i>Provide a name that will be used to create your LDAP profile</i>
Enter the Hostname of your Active Directory server:	<input type="text"/> <i>(Examples: example.com, 1.1.1.1, example.com:389, 1.1.1.1:389)</i>
Enter credentials so the Cisco appliance can connect:	Username: <input type="text"/> <i>(Example: DOMAINuser)</i>
	Password: <input type="password"/>
<input type="button" value="Cancel"/>	<input type="button" value="Next &gt;"/>

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### Note

Commit any changes you make in the GUI by clicking **Commit Changes**. This button appears if you have any uncommitted changes that need to be saved.

**Commit Changes »**

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# 13 Configure Network Settings

Depending on your network configuration, your firewall may need to be configured to allow access using the following ports. SMTP and DNS services must have access to the Internet.

- DNS: port 53
- SMTP: port 25

For other system functions, the following services may be required:

- FTP: port 21, data port TCP 1024 and higher
- HTTP: port 80
- HTTPS: port 443
- LDAP: port 389 or 3268
- LDAP over SSL: port 636
- LDAP with SSL for global catalog queries: port 3269
- NTP: port 123
- SSH: port 22
- Telnet: port 23



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**Note**

If you do not open port 80 and port 443, you cannot download feature keys.

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For more information, see the appendix “Firewall Information” in the *Cisco AsyncOS for Email Security Configuration Guide*.



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**Warning**

**You must shut down your appliance from the System Administration > Shutdown/Reboot page to prevent corruption of your queue and configuration files.**

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# 14 Configuration Summary

Item	Description
<b>Management</b>	<p>You can manage your email security appliance from the management port (Data Port 1) by entering <code>http://192.168.42.42</code> or by using the hostname assigned to your appliance during system setup.</p> <p>Also, verify that you open firewall ports 80 and 443 on your management interface.</p>
<b>Incoming Email</b>	<p>After running the System Setup Wizard, your Data Port 2 port is configured for inbound email.</p>
<b>Outbound Email</b>	<p>After running the System Setup Wizard, your appliance is configured to accept inbound email. You can also configure it to relay outbound email during system setup. For instructions on configuring outbound email, see the <i>Cisco AsyncOS for Email Configuration Guide</i>.</p>
<b>Computer Address</b>	<p>Remember to change your computer IP address back to the original settings that you noted in the <a href="#">“Temporarily Change Your IP Address”</a> section on page 8.</p>

# 15 You're Done!

Congratulations. You are now ready to start using your Cisco C380 and Cisco C680 Email Security Appliance. You may wish to consider taking some of the following steps to get more out of the appliance.

## Message Tracking

You can view details about message delivery and blocking by running queries using the Message Tracking service (in the GUI). To access message tracking, choose **Monitor > Message Tracking**.

## Reporting

You can view statistics about spam and virus blocking on your network by viewing reports available in the Email Security Monitor (in the GUI). To access the reporting overview page, choose **Monitor > Overview**.

# 16 Where to Go from Here

Support	
Cisco Support Portal	<a href="http://www.cisco.com/support">http://www.cisco.com/support</a>
U.S. and Canada Toll-Free Number	800-553-2447
International Contacts	<a href="#">Worldwide Phone Numbers</a>
Email:	<a href="mailto:tac@cisco.com">tac@cisco.com</a>
Cisco Email Security Support Community	<a href="https://supportforums.cisco.com/community/netpro/security/email">https://supportforums.cisco.com/community/netpro/security/email</a>
Product Documentation	
<i>Cisco C380 and Cisco C680 Email Security Appliance Quick Start Guide</i> (this document)	<a href="http://www.cisco.com/en/US/docs/security/esa/hw/C380_C680_QSG_78_21151.pdf">http://www.cisco.com/en/US/docs/security/esa/hw/C380_C680_QSG_78_21151.pdf</a>
<i>Cisco 380 and Cisco 680 Series Hardware Installation Guide</i> Includes information about LEDs, technical specifications, and rack-mounting options.	<a href="http://www.cisco.com/en/US/docs/security/esa/hw/380_680_Series_HW_Install.pdf">http://www.cisco.com/en/US/docs/security/esa/hw/380_680_Series_HW_Install.pdf</a>
Cisco Email Security Appliance Documentation Includes documentation about configuring the appliance features, CLI commands, and release notes.	<a href="http://www.cisco.com/en/US/products/ps10154/tsd_products_support_series_home.html">http://www.cisco.com/en/US/products/ps10154/tsd_products_support_series_home.html</a>
Safety and Compliance Guide	<a href="http://www.cisco.com/en/US/docs/security/content_security/compliance/ContentSecurity_regulatory_compliance_information.fm">http://www.cisco.com/en/US/docs/security/content_security/compliance/ContentSecurity_regulatory_compliance_information.fm</a>

MIBs	
AsyncOS MIBs for Cisco Email Security Appliance (Related Tools section)	<a href="http://www.cisco.com/en/US/products/ps10154/tsd_products_support_series_home.html">http://www.cisco.com/en/US/products/ps10154/tsd_products_support_series_home.html</a>

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>.

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