

# Release Notes for AsyncOS 12.8.x(MD) for Cisco Content Security Management Appliances

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**Note**

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**Important!** After you perform an upgrade to Cisco Content Security Management 12.8.1-002, you cannot revert to any earlier version.

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## What's New In This Release

- [What's New In AsyncOS 12.8.0](#)



## What's New In AsyncOS 12.8.0

Feature	Description
Support for hardware models	<p>The AsyncOS 12.8.0 release for the Cisco Content Security Management appliance is primarily intended for the x80 series hardware models. However, you can use this build on your x90 or x95 series hardware models as well.</p> <p>For details, see <a href="https://www.cisco.com/c/en/us/products/collateral/security/content-security-management-appliance/datasheet_C78-721194.html">https://www.cisco.com/c/en/us/products/collateral/security/content-security-management-appliance/datasheet_C78-721194.html</a>.</p>
YouTube Report (Web)	<p>In the new web interface (<b>URL Categories</b> report page), you can now view the following information related to the YouTube categorization feature:</p> <ul style="list-style-type: none"> <li>• Top YouTube Categories: Total Transactions</li> </ul> <p>You can view the top YouTube Categories that are being visited on the site in a graphical format.</p> <ul style="list-style-type: none"> <li>• Top YouTube Categories: Blocked and Warned Transactions</li> </ul> <p>You can view the top YouTube URL that triggered a block or warning action to occur per transaction in a graphical format. For example, a user went to a certain YouTube URL and because of a specific policy that is in place, this triggered a block action or a warning. This YouTube URL then gets listed in this graph as a transaction blocked or warning.</p> <p>To view the <b>URL Categories</b> report page, select <b>Web</b> from the <b>Product</b> drop-down and choose <b>Monitoring &gt; URL Categories</b> from the <b>Reports</b> drop-down.</p> <ul style="list-style-type: none"> <li>• YouTube Categories Matched</li> </ul> <p>The YouTube Categories Matched interactive table shows the disposition of transactions by YouTube category during the specified time range, plus bandwidth used and time spent in each category.</p> <p>To view the YouTube Categories Matched interactive table, choose <b>Web &gt; Reporting &gt; URL Categories</b>.</p> <ul style="list-style-type: none"> <li>• YouTube (YT) Category</li> </ul> <p>A new filter YT Category has been added under <b>Web &gt; Tracking</b>. To filter by a specific YouTube category, expand the YouTube Category section, and select the YouTube categories that you want to view.</p>

IP Spoofing Profiles	<p>You can now configure Web Proxy IP Spoofing by creating an IP spoofing profile and adding it to the routing policies. When IP spoofing profile is used in a routing policy, the web proxy changes the source IP address to custom IP address defined in the IP spoofing profile.</p> <p>To create a new IP spoofing profile or modify an existing IP spoofing profile, initialize the Configuration Master (version 12.5 or later), and choose <b>Web &gt; Configuration Master &gt; IP Spoofing Profiles</b>.</p> <p>To add IP spoofing profile in a routing policy, initialize the Configuration Master (version 12.5 or later), and choose <b>Web &gt; Configuration Master &gt; Routing Policies</b>.</p> <p> <b>Note</b> If you do not want to publish the Security Management Appliance IP Spoofing profiles to Web Security Appliance and overwrite the existing IP Spoofing profiles in the Web Security Appliance, follow the below steps:</p> <ol style="list-style-type: none"> <li>1. Log into Security Management Appliance.</li> <li>2. Go to <b>Configuration Master &gt; IP Spoofing Profile</b>.</li> <li>3. Click <b>Edit Settings</b>.</li> <li>4. Set <b>Publish IP Spoofing Profiles to WSA</b> as <b>No</b>. The default option selected is <b>Yes</b>.</li> </ol> <p>For more information, see <i>User Guide for AsyncOS 12.5 for Cisco Web Security Appliances</i>.</p>
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## Changes in Behavior in AsyncOS 12.8.1

Upgrade	<b>Important!</b> After you perform an upgrade to Cisco Content Security Management 12.8.1-002, you cannot revert to any earlier version.
Tunnel Services	When you perform an upgrade, revert to earlier versions, reboot an appliance all the tunnel and service access will be disabled. You must enable the services again.
Changes in Demo Certificates	After you upgrade to this release, Cisco recommends using CA-trusted certificates for receiving, delivery, HTTPS management and LDAP. A message is displayed when you clear the trusted certificates or use a demonstration certificates on your appliance.

# Comparison of Web Interfaces, New Web Interface vs. Legacy Web Interface

Web Interface Page or Element	New Web Interface	Legacy Web Interface
Landing Page	After you log in to the Security Management appliance, the Mail Flow Summary page is displayed.	After you log in to the appliance, the System Status page is displayed.
Product Drop-down	You can switch between the Email Security Appliance and the Web Security Appliance from the Product drop-down.	You can use the Email or Web tab to switch between the Email Security Appliance and the Web Security Appliance.
Reports Drop-down	You can view reports for your Email and Web Security Appliances from the Reports drop-down.	You can view reports for your Email and Web Security Appliances from the Reporting drop-down menu.
Management Appliance Tab	Click on the Security Management appliance to access the Management Appliance tab.	You can enable and configure reporting, message tracking and quarantines, as well as configure network access, and monitor system status.
My Reports Page	Select <b>Email</b> from the Product drop-down and choose <b>My Reports</b> from the Reports drop-down.	You can view the My Reports page from <b>Email &gt; Reporting &gt; My Reports</b> .
Reporting Data Availability Page	Click on the Security Management appliance and choose <b>Email &gt; Reporting &gt; Reporting Data Availability</b> to access the Reporting Data Availability page.	You can view, update and sort data to provide real-time visibility into resource utilization and email traffic trouble spots.
Scheduling & Archiving Reports	Click on the Security Management appliance and choose <b>Email &gt; Reporting &gt; Scheduled Reports</b> to schedule your reports.  Click on the Security Management appliance and choose <b>Email &gt; Reporting &gt; Archive Reports</b> to archive your reports.	You can schedule reports using the <b>Email &gt; Reporting &gt; Scheduled Reports</b> page, and archive your reports using the <b>Email &gt; Reporting &gt; Archived Report</b> page of the Security Management appliance.

Web Interface Page or Element	New Web Interface	Legacy Web Interface
Reporting Overview Page	The Email Reporting Overview page on the Security Management appliance has been redesigned as Mail Flow Summary page in the new web interface. The Mail Flow Summary page includes trend graphs and summary tables for incoming and outgoing messages.	The Email Reporting Overview page on the Security Management appliance provides a synopsis of the email message activity from your Email Security appliances. The Overview page includes graphs and summary tables for the incoming and outgoing messages.
Advanced Malware Protection Report Pages	The following sections are available on the <b>Advanced Malware Protection</b> report page of the Reports menu: <ul style="list-style-type: none"> <li>• Summary</li> <li>• AMP File Reputation</li> <li>• File Analysis</li> <li>• File Retrospection</li> <li>• Mailbox Auto Remediation</li> </ul>	The <b>Email &gt; Reporting</b> drop-down menu of the Security Management appliance has the following Advanced Malware Protection report pages: <ul style="list-style-type: none"> <li>• Advanced Malware Protection</li> <li>• AMP File Analysis</li> <li>• AMP Verdict Updates</li> <li>• Mailbox Auto Remediation</li> </ul>
Outbreak Filters Page	The Past Year Virus Outbreaks and Past Year Virus Outbreak Summary are not available in the Outbreak Filtering report page of the new web interface.	The <b>Email &gt; Reporting Outbreak Filters</b> page displays the Past Year Virus Outbreaks and Past Year Virus Outbreak Summary.
Spam Quarantine (Admin and End-User)	Click <b>Quarantine &gt; Spam Quarantine &gt; Search</b> on the new web interface to access the Spam Quarantine page.  For more information on the end-users access to the Spam Quarantine portal on the new web interface, see <a href="#">Accessing the New Web Interface, page 7</a> .	-
Policy, Virus and Outbreak Quarantines	Click <b>Quarantine &gt; Other Quarantine</b> on the new web interface.  You can only view Policy, Virus and Outbreak Quarantines on the Security Management appliance.	You can view, configure and modify the Policy, Virus and Outbreak Quarantines on the appliance.
Select All action for Messages in Quarantine	You can select multiple (or all) messages in a quarantine and perform a message action, such as, delete, delay, release, move, etc.	You cannot select multiple messages in a quarantine and perform a message action.

Web Interface Page or Element	New Web Interface	Legacy Web Interface
Maximum Download Limit for Attachments	The maximum limit for downloading attachments of a quarantined message is restricted to 25 MB.	-
Rejected Connections	To search for rejected connections, click <b>Tracking &gt; Search &gt; Rejected Connection</b> tab on the Security Management appliance.	-
Query Settings	The <b>Query Settings</b> field of the Message Tracking feature is not available on the Security Management appliance.	You can set the query timeout in the Query Settings field of the Message Tracking feature.
Message Tracking Data Availability	Click on the on the Security Management appliance and choose <b>Email &gt; Message Tracking &gt; Message Tracking Data Availability</b> to access Message Tracking Data Availability page.	You can view the missing-data intervals for your appliance.
Verdict Charts and Last State Verdicts	Verdict Chart displays information of the various possible verdicts triggered by each engine in your appliance.  Last State of the message determines the final verdict triggered after all the possible verdicts of the engine.	Verdict Charts and Last State Verdicts of the messages are not available.
Message Attachments and Host Names in Message Details	Message attachments and host names are not displayed in the Message Details section of the message on the Security Management appliance.	Message attachments and host names are displayed in the Message Details section of the message.
Sender Groups, Sender IP, SBRS Score and Policy Match in Message Details	Sender Groups, Sender IP, SBRS Score, and Policy Match details of the message is displayed in the Message Details section of the message on the Security Management appliance.	Sender Groups, Sender IP, SBRS Score, and Policy Match details of the message is not available in the Message Details section of the message.
Direction of the Message (Incoming or Outgoing)	Direction of the messages (incoming or outgoing) is displayed in the message tracking results page on the Security Management appliance.	Direction of the messages (incoming or outgoing) is not displayed in the message tracking results page.

## Accessing the New Web Interface

The new web interface provides a new look for monitoring reports, quarantines and searching for messages.



### Note

The new web interface of your appliance uses AsyncOS API HTTP/HTTPS ports (6080/6443) and trailblazer HTTPS port (4431). You can use the `trailblazerconfig` command in the CLI to configure the trailblazer HTTPS ports. Make sure that the trailblazer HTTPS port is opened on the firewall.

You can access the new web interface in any one of the following ways:

- When `trailblazerconfig` CLI command is enabled, use the following URL -  
`https://example.com:<trailblazer-https-port>/ng-login`  
 where `example.com` is the appliance host name and `<trailblazer-https-port>` is the trailblazer HTTPS port configured on the appliance.  
 By default, `trailblazerconfig` is enabled on the appliance.
  - Make sure that the configured HTTPS port is opened on the firewall. The default HTTPS port is 4431.
  - Also ensure that your DNS server can resolve the hostname that you specified for accessing the appliance.
- When `trailblazerconfig` CLI command is disabled, use the following URL -  
`https://example.com:<https-port>/ng-login`  
 where `example.com` is the appliance host name and `<https-port>` is the HTTPS port configured on the appliance.



### Note

If the `trailblazerconfig` CLI command is disabled, you may need to add multiple certificates for API ports for certain browsers.

- Log into the appliance and click **Security Management Appliance is getting a new look. Try it !** to navigate to the new web interface.

The new web interface opens in a new browser window and you must log in again to access it. If you want to log out of the appliance completely, you need to log out of both the new and legacy web interfaces of your appliance.

For a seamless navigation and rendering of HTML pages, Cisco recommends using the following browsers to access the new web interface of the appliance (AsyncOS 12.0 and later):

- Google Chrome (Latest Stable Version)
- Mozilla Firefox (Latest Stable Version)
- Safari (Latest Stable Version)

You can access the legacy web interface of the appliance on any of the supported browsers.

The supported resolution for the new web interface of the appliance (AsyncOS 12.0 and later) is between 1280x800 and 1680x1050. The best viewed resolution is 1440x900, for all the browsers.



### Note

Cisco does not recommend viewing the new web interface of the appliance on higher resolutions.

The end-users can now access the Spam Quarantine on the new web interface in any one of the following ways:

- When `trailblazerconfig` CLI command is enabled, use the following URL -  
`https://example.com:<trailblazer-https-port>/euq-login`.  
 where `example.com` is the appliance host name and `<trailblazer-https-port>` is the trailblazer HTTPS port configured on the appliance.
- When `trailblazerconfig` CLI command is disabled, use the following URL -  
`https://example.com:<https-port>/euq-login`.  
 where `example.com` is the appliance host name and `<https-port>` is the HTTPS port configured on the appliance.




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**Note** Make sure that the HTTP/HTTPS and the AsyncOS API ports are opened on the firewall.

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## Upgrade Paths

- [Upgrading to Release 12.8.1-021 MD \(Maintenance Deployment\)](#)
- [Upgrading to Release 12.8.1-002 MD \(Maintenance Deployment\)](#)

### Upgrading to Release 12.8.1-021 MD (Maintenance Deployment)

You can upgrade to release 12.8.1-021 from the following versions:

- 12.8.1-002
- 12.5.0-683

### Upgrading to Release 12.8.1-002 MD (Maintenance Deployment)

You can upgrade to release 12.8.1-002 from the following versions:

- 12.8.0-026
- 12.7.0-007
- 12.5.0-683
- 12.0.0-478
- 12.0.1-011
- 12.0.1-017
- 12.0.2-005
- 12.0.2-007
- 11-5-1-115
- 11.5.1-121
- 11-5-0-110
- 11-0-1-161



- 11-0-0-136

## Compatibility with Email and Web Security Releases

Compatibility with AsyncOS for Email Security and AsyncOS for Web Security releases is detailed in the Compatibility Matrix available from <http://www.cisco.com/c/en/us/support/security/content-security-management-appliance/products-release-notes-list.html>.

## Installation and Upgrade Notes

- [Important Additional Reading](#), page 9
- [Virtual Appliance](#), page 9
- [Pre-Upgrade Requirements](#), page 10
- [IPMI Messages During Upgrade](#), page 10
- [Upgrading to This Release](#), page 10

## Important Additional Reading

You should also review the release notes for your associated Email and Web security releases. For links to this information, see [Related Documentation](#), page 13.

## Virtual Appliance

To set up a virtual appliance, see the *Cisco Content Security Virtual Appliance Installation Guide*, available from <http://www.cisco.com/c/en/us/support/security/content-security-management-appliance/products-installation-guides-list.html>.

## Upgrading a Virtual Appliance

If your current Virtual Appliance release does not support more than 2TB of disk space, and you want to use more than 2 TB of disk space with this release, you cannot simply upgrade your virtual appliance. Instead, you must deploy a new virtual machine instance for this release. When you upgrade a virtual appliance, the existing licenses remain unchanged.

## Migrating From a Hardware Appliance to a Virtual Appliance

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- Step 1** Set up your virtual appliance using the documentation described in [Virtual Appliance](#), page 9.
  - Step 2** Upgrade your physical appliance to this AsyncOS release.
  - Step 3** Save the configuration file from your upgraded physical appliance

- Step 4** Load the configuration file from the hardware appliance onto the virtual appliance.  
Be sure to select appropriate options related to disk space and network settings.
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#### What To Do Next

If you will use your hardware appliance as a backup appliance, see information about backups in the user guide or online help. For example, you should ensure that the backup appliance does not pull data directly from managed email and web security appliances, or publish configurations to web security appliances.

## Pre-Upgrade Requirements

Perform the following important preupgrade tasks:

- [Verify Associated Email and Web Security Appliance Versions, page 10](#)
- [Back Up Your Existing Configuration, page 10](#)

## Verify Associated Email and Web Security Appliance Versions

Before upgrading, verify that the Email Security appliances and Web Security appliances that you want to manage will run releases that are compatible. See the [Compatibility with Email and Web Security Releases, page 9](#).

## Back Up Your Existing Configuration

Before upgrading your Cisco Content Security Management appliance, save the XML configuration file from your existing Security Management appliance. Save this file to a location off the appliance. For important caveats and instructions, see the “Saving and Exporting the Current Configuration File” section in the user guide or online help.

## IPMI Messages During Upgrade

If you are upgrading your appliance using the CLI, you may observe messages related to IPMI. You can ignore these messages. This is a known issue.

Defect ID: CSCuz33125

## Upgrading to This Release

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- Step 1** Address all topics described in [Pre-Upgrade Requirements, page 10](#).
- Step 2** Follow all instructions in the “Before You Upgrade: Important Steps” section in the user guide PDF for THIS release.
- Step 3** Perform the upgrade:
- Follow instructions in the “Upgrading AsyncOS” section of the “Common Administrative Tasks” chapter of the user guide PDF for your EXISTING release.

**Note**

Do not interrupt power to the appliance for any reason (even to troubleshoot an upgrade issue) until at least 20 minutes have passed since you rebooted. If you have a virtual appliance, do not use the hypervisor or host OS tools to reset, cycle, or power off the virtual machine.

- Step 4** After about 10 minutes, access the appliance again and log in.
- Step 5** Follow instructions in the “After Upgrading” section of the user guide PDF for THIS release.
- Step 6** If applicable, see [Migrating From a Hardware Appliance to a Virtual Appliance, page 9](#).

**Important!** After you upgrade to this release, you can try any one of the following steps to make the navigation in your browser seamless:

- Accept the certificate used by the web interface and use the following URL syntax:  
`https://hostname.com:<https_api_port>` (for example, `https://some.example.com:6443`) in a new browser window and accept the certificate. Here `<https_api_port>` is the AsyncOS API HTTPS port configured in **Network > IP Interfaces**. Also, ensure that the API ports (HTTP/HTTPS) are opened on the firewall.
- By default, `trailblazerconfig` CLI command is enabled on your appliance. Make sure that the HTTPS port is opened on the firewall. Also ensure that your DNS server can resolve the hostname that you specified for accessing the appliance.

If the `trailblazerconfig` CLI command is disabled, you can run the `trailblazerconfig > enable` command using the CLI to avoid the following issues:

- Requiring to add multiple certificates for API ports in certain browsers.
- Redirecting to the legacy web interface when you refresh the Spam quarantine, Safelist or Blocklist page.
- Metrics bar on the Advanced Malware Protection report page does not contain any data.

For more information, see section "The trailblazerconfig Command" of the user guide.

**Note**

Reboot your appliance or clear your browser cache if you are unable to access the web interface. If the problem persists, contact Cisco Customer Support.

## Supported Hardware for this Release

- All virtual appliance models.
- The following hardware models:
  - M380 and M680
  - (Only for 12.8.0) M190, M195, M390, M395, M690, M695, and M695F

The following hardware is NOT supported for this release:

- M160, M360, M660, and X1060
- M170, M370, M370D, M670 and X1070
- (Only for 12.7.0) M190, M195, M390, M395, M690, and M695

**Note**

To determine whether your appliance is supported, and to remedy the situation if it is not currently compatible, see <https://www.cisco.com/c/en/us/support/security/content-security-management-appliance/products-field-notices-list.html>.

## Known and Fixed Issues

Use the Cisco Bug Search Tool to find information about known and fixed defects in this release.

- [Bug Search Tool Requirements](#), page 12
- [Lists of Known and Fixed Issues](#), page 12
- [Finding Information about Known and Resolved Issues](#), page 12

## Bug Search Tool Requirements

Register for a Cisco account if you do not have one. Go to <https://identity.cisco.com/ui/tenants/global/v1.0/enrollment-ui>.

## Lists of Known and Fixed Issues

Known Issues	12.8.1	<a href="https://bst.cloudapps.cisco.com/bugsearch?kw=*&amp;pf=prdNm&amp;sb=af&amp;sts=open&amp;svr=3nH&amp;bt=custV&amp;rls=12.8.1&amp;prdNam=Cisco%20Secure%20Email%20and%20Web%20Manager">https://bst.cloudapps.cisco.com/bugsearch?kw=*&amp;pf=prdNm&amp;sb=af&amp;sts=open&amp;svr=3nH&amp;bt=custV&amp;rls=12.8.1&amp;prdNam=Cisco%20Secure%20Email%20and%20Web%20Manager</a>
Fixed Issues	12.8.1	<a href="https://bst.cloudapps.cisco.com/bugsearch?kw=*&amp;pf=prdNm&amp;sb=fr&amp;sts=fd&amp;svr=3nH&amp;bt=custV&amp;prdNam=Cisco%20Secure%20Email%20and%20Web%20Manager&amp;rls=12.8.1">https://bst.cloudapps.cisco.com/bugsearch?kw=*&amp;pf=prdNm&amp;sb=fr&amp;sts=fd&amp;svr=3nH&amp;bt=custV&amp;prdNam=Cisco%20Secure%20Email%20and%20Web%20Manager&amp;rls=12.8.1</a>

## Finding Information about Known and Resolved Issues

Use the Cisco Bug Search Tool to find the most current information about known and resolved defects.

### Before You Begin

Register for a Cisco account if you do not have one. Go to <https://identity.cisco.com/ui/tenants/global/v1.0/enrollment-ui>.

### Procedure

- Step 1** Go to <https://bst.cloudapps.cisco.com/bugsearch/>.
- Step 2** Log in with your Cisco account credentials.
- Step 3** Click **Select from list > Security > Email Security > Cisco Email Security Appliance**, and click **OK**.
- Step 4** In **Releases** field, enter the version of the release, for example, 12.7
- Step 5** Depending on your requirements, do one of the following:

- To view the list of resolved issues, select **Fixed in these Releases** from the Show Bugs drop down.
- To view the list of known issues, select **Affecting these Releases** from the Show Bugs drop down and select **Open** from the Status drop down.

**Note**

If you have questions or problems, click the **Help** or **Feedback** links at the top right side of the tool. There is also an interactive tour; to view it, click the link in the orange bar above the search fields.

## Related Documentation

In addition to the main documentation in the following table, information about other resources, including the knowledge base and Cisco support community, is in the More Information chapter in the online help and User Guide PDF.

Documentation For Cisco Content Security Products:	Is Located At:
Security Management appliances	<a href="http://www.cisco.com/c/en/us/support/security/content-security-management-appliance/tsd-products-support-series-home.html">http://www.cisco.com/c/en/us/support/security/content-security-management-appliance/tsd-products-support-series-home.html</a>
Web Security appliances	<a href="http://www.cisco.com/c/en/us/support/security/web-security-appliance/tsd-products-support-series-home.html">http://www.cisco.com/c/en/us/support/security/web-security-appliance/tsd-products-support-series-home.html</a>
Email Security appliances	<a href="http://www.cisco.com/c/en/us/support/security/email-security-appliance/tsd-products-support-series-home.html">http://www.cisco.com/c/en/us/support/security/email-security-appliance/tsd-products-support-series-home.html</a>
Command Line Reference guide for content security products	<a href="http://www.cisco.com/c/en/us/support/security/email-security-appliance/products-command-reference-list.html">http://www.cisco.com/c/en/us/support/security/email-security-appliance/products-command-reference-list.html</a>
Cisco Email Encryption	<a href="http://www.cisco.com/c/en/us/support/security/email-encryption/tsd-products-support-series-home.html">http://www.cisco.com/c/en/us/support/security/email-encryption/tsd-products-support-series-home.html</a>

## Service and Support

**Note**

To get support for virtual appliances, call Cisco TAC and have your Virtual License Number (VLN) number ready.

Cisco TAC: [http://www.cisco.com/en/US/support/tsd\\_cisco\\_worldwide\\_contacts.html](http://www.cisco.com/en/US/support/tsd_cisco_worldwide_contacts.html)

Support site for legacy IronPort: Visit <http://www.cisco.com/web/services/acquisitions/ironport.html>

For non-critical issues, you can also access customer support from the appliance. For instructions, see the User Guide or online help.

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