

# Application-Services Release Notes

Junos OS Release 11.4 R4  
10 July 2012

These release notes accompany the initial product release of the HTTP Content Management (HCM) application (HTTP-Manager 1.1). They describe product installation and known problems with the application.

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## New Features

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**HTTP Content Management**—An application used to inspect and manipulate HTTP traffic. HCM can be installed on an MX Series router that is running the corresponding version of the Junos OS release. It includes the following features:

- HTTP tag insertion—Enables insertion of a specified tag when an HTTP transaction matches a rule configured for tag insertion. The tag can be a fixed string or subscriber-specific attributes.
- HTTP error redirect—Enables the router to replace an error code response with a redirect response to a configured landing page on the service-provider's network.
- HTTP URL filtering and logging—Enables a configured action when an HTTP transaction matches a specified URL or hostname. Possible actions include discard, reset, log, accept, count, and certain combinations of these items.

For more information, see the *HTTP Content Management Configuration Guide*.

## Issues in Current Software Release

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The following issues pertain to the current HCM release:

- The **tag-rule** functionality in the HCM application fails when transaction rate exceeds 23,000/s. [PR/772905]

## Installation Instructions for HCM Application

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The following procedures are required to install the HCM application:

- [Installing the HTTP-Manager package in the router on page 2](#)
- [Upgrading the Junos OS after installation of the HTTP-Manager package on page 3](#)

### Installing the HTTP-Manager package in the router

To install the HTTP-Manager package:

1. Make sure you have the right package for the JUNOS image you are using in the router.
2. Issue the **request system software add** command to install the HTTP-Manager package.
3. Restart the package is installed, restart the CLI.

The following output shows an example of the installation process:

```
user@router> request system software add http-manager-11.4R4.4-1-A1.1.tgz
NOTICE: Validating configuration against package-name.
NOTICE: Use the 'no-validate' option to skip this if desired.
Checking compatibility with configuration
Initializing...
.....
```

```
WARNING: cli has been replaced by an updated version:
```

```
CLI release 11.4R4.4 built by builder on 2012-07-4 02:36:22 UTC
Restart cli using the new version ? [yes,no] (yes)
```

```
Restarting cli ...
user@router>
```

The following example shows how the HTTP-Manager packages are displayed by the `show version` command:

```
user@router> show version
...
HTTP-Manager Management Component [11.4R4.4-1-A1.1]
HTTP-Manager Dataplane Component [11.4R4.4-1-A1.1]
...
user@router>
```

## Upgrading the Junos OS after installation of the HTTP-Manager package

Before upgrading the Junos OS release on a router on which HCM has been installed, it is necessary to delete the HCM configuration from the router:

1. Issue the following command:

```
user@router> extension juniper-http-manager delete <section>
```

To see the configuration for HCM, issue the following alternative construct of the command:

```
user@router> extension juniper-http-manager show <section>
```

`juniper-http-manager` is the package name for the HCM extension application.



**NOTE:** Any HCM configuration present on the router when it is upgraded will be removed when the new image boots up. Make sure you save any configuration before you upgrade the router; otherwise it may be difficult to determine which configuration is missing.

2. Once you have saved and removed the HCM configuration, you can delete the HTTP-Manager package by issuing the following command:

```
user@router> request system software delete http-manager-mgmt
user@router> request system software delete http-manager-services
```

3. After upgrading the JUNOS image, you can reinstall the HTTP-Manager package and add the saved configuration.

## Junos OS Documentation and Release Notes

For a list of related Junos OS documentation, see <http://www.juniper.net/techpubs/software/junos/>.

If the information in the latest release notes differs from the information in the documentation, follow the *Junos OS Release Notes*.

To obtain the most current version of all Juniper Networks<sup>®</sup> technical documentation, see the product documentation page on the Juniper Networks website at <http://www.juniper.net/techpubs/>.

Juniper Networks supports a technical book program to publish books by Juniper Networks engineers and subject matter experts with book publishers around the world. These books go beyond the technical documentation to explore the nuances of network architecture, deployment, and administration using the Junos operating system (Junos OS) and Juniper Networks devices. In addition, the Juniper Networks Technical Library, published in conjunction with O'Reilly Media, explores improving network security, reliability, and availability using Junos OS configuration techniques. All the books are for sale at technical bookstores and book outlets around the world. The current list can be viewed at <http://www.juniper.net/books>.

## Documentation Feedback

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We encourage you to provide feedback, comments, and suggestions so that we can improve the documentation. You can send your comments to [techpubs-comments@juniper.net](mailto:techpubs-comments@juniper.net), or fill out the documentation feedback form at <https://www.juniper.net/cgi-bin/docbugreport/>. If you are using e-mail, be sure to include the following information with your comments:

- Document name
- Document part number
- Page number
- Software release version

## Requesting Technical Support

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Technical product support is available through the Juniper Networks Technical Assistance Center (JTAC). If you are a customer with an active J-Care or JNASC support contract, or are covered under warranty, and need postsales technical support, you can access our tools and resources online or open a case with JTAC.

- JTAC policies—For a complete understanding of our JTAC procedures and policies, review the JTAC User Guide located at <http://www.juniper.net/customers/support/downloads/710059.pdf>.
- Product warranties—For product warranty information, visit <http://www.juniper.net/support/warranty/>.
- JTAC Hours of Operation —The JTAC centers have resources available 24 hours a day, 7 days a week, 365 days a year.

### Self-Help Online Tools and Resources

For quick and easy problem resolution, Juniper Networks has designed an online self-service portal called the Customer Support Center (CSC) that provides you with the following features:

- Find CSC offerings: <http://www.juniper.net/customers/support/>
- Search for known bugs: <http://www2.juniper.net/kb/>
- Find product documentation: <http://www.juniper.net/techpubs/>
- Find solutions and answer questions using our Knowledge Base: <http://kb.juniper.net/>
- Download the latest versions of software and review release notes: <http://www.juniper.net/customers/csc/software/>
- Search technical bulletins for relevant hardware and software notifications: <https://www.juniper.net/alerts/>
- Join and participate in the Juniper Networks Community Forum: <http://www.juniper.net/company/communities/>
- Open a case online in the CSC Case Management tool: <http://www.juniper.net/cm/>

To verify service entitlement by product serial number, use our Serial Number Entitlement (SNE) Tool located at <https://tools.juniper.net/SerialNumberEntitlementSearch/>.

### Opening a Case with JTAC

You can open a case with JTAC on the Web or by telephone.

- Use the Case Management tool in the CSC at <http://www.juniper.net/cm/> .
- Call 1-888-314-JTAC (1-888-314-5822 toll-free in the USA, Canada, and Mexico).

For international or direct-dial options in countries without toll-free numbers, visit us at <http://www.juniper.net/support/requesting-support.html>.

If you are reporting a hardware or software problem, issue the following command from the CLI before contacting support:

```
user@host> request support information | save filename
```

To provide a core file to Juniper Networks for analysis, compress the file with the **gzip** utility, rename the file to include your company name, and copy it to **ftp.juniper.net:pub/incoming**. Then send the filename, along with software version information (the output of the **show version** command) and the configuration, to **support@juniper.net**. For documentation issues, fill out the bug report form located at <https://www.juniper.net/cgi-bin/docbugreport/>.

## Revision History

10 July 2012—Revision 1, Release Notes for HTTP Content Management 1.1

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