

Juniper Networks Application Usage Manager 1.0 Release Notes

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Overview

The Juniper Networks application usage manager is a reporting tool that enables you to view aggregated application usage data and attack-related data for network subscribers. For detailed steps on installing and getting started with the application usage manager software, see the *Juniper Networks Application Usage Manager Installation and User's Guide*.

These release notes contain information about what is included in this product release: supported features, unsupported features, changed features, known problems, and resolved problems. Release notes might be updated more frequently than the documentation set. If the information in the release notes differs from the information found in the documentation set, follow the release notes.

Product Features

The initial release of the application usage manager software includes the following features:

- Collection, aggregation, and reporting for application usage and attacks detected by one or more IDP 8200 devices
- Correlation of application usage and attack data with domain and subscriber data reported from one or more Juniper Networks SRC devices or any RADIUS server
- Automated delivery of application usage and attack reports to subscribers on daily, monthly, or user-specified schedule
- Predefined dashboards and reports
- Customizable dashboards and reports
- Drilldown from aggregations to individual records
- Record filtering based on dates or other criteria
- Distributed access to the application usage manager console

Downloading the Application Usage Manager Software Package

To download the Application Usage Manager software package:

1. Log into the Juniper Networks Customer Support site at <http://www.juniper.net/customers/support/>.
2. Enter the product serial number provided by your sales contact.
3. Download product package file. The package file contains the following files:
 - Application Usage Manager rpm
 - IDP Reporter rpm

- IDP plugin for SRC (tar file)
4. Uncompress the package file. For example:

```
tar zxvf aum-1.0.24.0.tgz
```

Hardware, Operating System, and Software Requirements

Table 1 on page 3 lists hardware, operating system, and software requirements.

Table 1: Hardware, Operating System, and Software Requirements

Component	Requirement
Server hardware	Processor: Dual Xeon Quad Core 2.0 GHz (minimum)
	Memory: 8 GB (minimum)
	Storage: 500 GB (minimum) on 15K RPM SCSI drives
	Network Interface Card (NIC): 1 GB PCI
Server operating system	CentOS v 5
	Download the version that supports x86_64 from the following location: http://mirror.centos.org/centos/5/isos/
Client software	Browser: Mozilla Firefox 3.x, 2.x
	Required settings: <ul style="list-style-type: none"> ■ Allow popups ■ Enable Java ■ Enable JavaScript
	Java: jre-1.6
	Download the latest version that is applicable to the client operating system: http://java.sun.com/javase/downloads/index.jsp
	Recommended setting: Set Java heap space to 256 MB.
License	At the time of installation, the program creates a machine-specific trial license based on the MAC address. You cannot use this license to operate the program on any other machine.
	The trial license can be used to license 2 devices for 30 days. The trial license expires 30 days after the last device has been licensed. If the trial period has not been enough to evaluate the application, send e-mail to Juniper Networks to request an extension.
	To obtain a permanent license, use the License Manager to export a device identifier to a text file (/var/utr/AUMSystemIdentifier.txt). Send the file to support@juniper.net along with your license request.

IDP Device Requirements

Table 2 on page 4 lists IDP device requirements.

Table 2: IDP Device Requirements

Component	Requirement
IDP platform	IDP 8200
IDP software	<p>IDP 4.2r2 – Upgrade the preinstalled IDP reporter rpm (idpreporter-1.0-22_4.2r1) to the latest (idpreporter-1.0-25_4.2r1)</p> <p>To upgrade the IDP Reporter rpm on IDP8200:</p> <ol style="list-style-type: none"> 1. Download the Application Usage Manager download file. See “Downloading the Application Usage Manager Software Package” on page 2. 2. Unzip the Application Usage Manager download file. In the download package, the IDP Reporter rpm is the idpreporter-1.0-25_4.2r1.x86_64.rpm file. 3. Log into the IDP8200 command-line interface as admin and enter su - to switch to root. 4. Use SCP or FTP to copy the idpreporter-1.0-25_4.2r1.x86_64.rpm file to a temporary location on the IDP appliance. The IDP appliance does not run an FTP server, so you have to initiate the FTP session from the IDP device. 5. Change to the directory where you copied the IDP Reporter rpm and enter the following command to install the new image: <p style="text-align: center;">rpm -Uvh idpreporter-1.0-25_4.2r1.x86_64.rpm</p> <p>NOTE: The upgrade will not overwrite any custom configurations, profiles, or dashboards you have saved in IDP Reporter.</p>
IDP features	<p>Application volume tracking (AVT) – enabled</p> <hr/> <p>Profiler – enabled, running</p> <hr/> <p>IDP Reporter – Integrate with Application Usage Manager mode</p>
IDP reports user	<p>The application usage manager must access the IDP device /reports directory so it can secure copy (scp) files to the application usage manager host. You can use the IDP admin user or create a different user for this purpose. The following procedure creates a user named reports.</p> <p>To create a user for this purpose:</p> <ol style="list-style-type: none"> 1. Log into the IDP device command-line interface as admin and enter su - to switch to root. 2. Run the following command to create a user named reports: <p style="text-align: center;">useradd reports</p> <ol style="list-style-type: none"> 3. Run the following command to change the password for the user named reports: <p style="text-align: center;">passwd reports</p>

SRC Device Requirements

The application usage manager is compatible with Juniper Networks SRC 1.0 and later. See the *Juniper Networks Application Usage Manager Installation and User's Guide* for information on configuring SRC to send subscriber data to the application usage manager.

RADIUS Server Device Requirements

The application usage manager is compatible with any RADIUS server. See the *Juniper Networks Application Usage Manager Installation and User's Guide* for information on configuring a RADIUS server to send subscriber data to the application usage manager.

Resolved Issues

This is the first software release.

Known Issues

- On the IDP8200 appliance, you must upgrade from the preinstalled version rpm (idpreporter-1.0-22_4.2r1) to the latest (idpreporter-1.0-25_4.2r1). For details on upgrading, see Table 2 on page 4.

If you are unable to upgrade, you must take the following steps to work around an issue with the preinstalled version:

1. Log into the CLI as **admin** and enter **su -** to switch to **root**.
2. Enter **cd /var/idp/reporter**.
3. Work around a known issues by creating a symbolic link. Enter the following command: **ln -s omnivuelogs aumlogs**.

Documentation

Table 3 on page 5 describes related IDP documentation. To download IDP documentation, go to <http://www.juniper.net/techpubs/software/management/idp>.

Table 3: Related IDP Documentation

Document	Description
Release notes	Contains information about what is included in a specific product release: supported features, unsupported features, changed features, known problems, and resolved problems. If the information in the release notes differs from the information found in the documentation set, follow the release notes.
<i>IDP 8200 Installation Guide</i>	Describes the IDP 8200 platform. It provides instructions for installing, configuring, updating, and servicing the device.

Table 3: Related IDP Documentation (continued)

Document	Description
<i>Intrusion Detection and Prevention Concepts & Examples Guide</i>	Explains IDP features and provides examples of how to use the system.
<i>Intrusion Detection and Prevention Administration Guide</i>	Provides procedures for completing IDP administration tasks with the Network and Security Manager (NSM) central management program; with the IDP device Appliance Configuration Manager (ACM); and with the IDP device command-line interface (CLI).
<i>IDP Reporter User's Guide</i>	Describes how to use IDP Reporter. The IDP Reporter features and user interface are similar to the Juniper Networks Application Usage Manager features and user interface. Where IDP Reporter includes application usage and attack data for a single IDP device, the application usage manager can aggregate this data for multiple devices and correlate it with subscriber data obtained from SRC devices.

For related Juniper Networks SRC documentation, go to <http://www.juniper.net/techpubs/software/management/src/>.

Getting Help

If you need additional information or assistance, contact Juniper Networks Technical Assistance Center (JTAC) by E-mail (support@juniper.net) or telephone (1-888-314-JTAC within the United States or 1-408-745-9500 from outside the United States).

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