

Juniper Networks Deep Packet Inspection-Decoder (Application Signature) Release Notes

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RELEASE

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Recent Release History

Table 1 on page 1 summarizes the features and resolved issues in recent releases. You can use this table to help you decide to update the JDPI-Decoder version in your deployment.

Table 1: JDPI-Decoder Features and Resolved Issues by Release

Release Date	Signature Pack Version	JDPI Decoder Version	Engine Version 5	Features and Resolved Issues
April 09, 2021	The relevant signature package version is 3372.	1.500.2-31	5.6.0-39	This JDPI-Decoder version is supported only on the Junos OS 12.3X48-D95+ and later releases, 15.1X49-D200+ and later releases, Junos OS 19.2R1 and later releases which support the v5 engine on all supported SRX Series platforms. Starting in Junos OS release 20.1R1, enhancements to custom applications are included in the JDPI-Decoder release.

Overview

The JDPI-Decoder is a dynamically loadable module that mainly provides application classification functionality and associated protocol attributes. It is hosted on an external server and can be downloaded as a package and installed on the device. The package also includes XML files that contain additional details of the list of applications and groups. The list of applications can be viewed on the device using the CLI command **show services application-identification application summary**. Additional details of any particular application can be viewed on the device using the CLI command **show services application-identification application detail <application>**. For additional details, see [Application Signature](#).

NOTE: This application signature package does not support v4 engines. This upgrade is only supported on Junos OS 12.3X48D95+ and later releases, 15.1X49-D200+ and later releases which support the v5 engine, and 19.2R1 and later releases which support the v5 engine. This

signature package is not compatible with Junos releases supporting version4 engine. The Junos releases supporting v4 engine will remain on PB1.460.2-46 and there will be no more updates for these releases.

New Features and Enhancements

IN THIS SECTION

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- [New Applications | 2](#)
- [Updated Applications | 3](#)
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The following sections describe new features and enhancements available in the JDPI-Decoder releases:

New Software Features and Enhancements Introduced in JDPI-Decoder Release 3372

The following sections describe new features and enhancements available in JDPI-Decoder Release 3372.

New Applications

[Table 2 on page 3](#) shows the applications that are added in this release of JDPI-Decoder.

Table 2: New Applications

Sr. No.	Application Name	Application Type	Reported Over	Description
1	ONGUARD-CLIENT	Infrastructure	DCERPC	OnGuard is a product from Lenel for managing physical security of buildings. This plug-in classifies the connection from the client software to the server.
2	OMRON-FINS	Infrastructure	TCP/UDP	Omron FINS Protocol is SCADA protocol to communicate with PLC.

Updated Applications

Table 3 on page 3 lists the application updates in this release of JDPI-Decoder.

Table 3: Updated Applications

Sr. No.	Application Name	Application Type	Reported Over	Description
1	FLEXERA	Infrastructure	ADOBE/HTTP/HTTP2/HTTPS/SPDY/SSL/TCP	This plug-in classifies FLEXNet license servers and Flexera website.
2	HTTP	Web	HAPROXY/HTTP-PROXY/HTTP-TUNNEL/NET-PROXY/SOCKS4/SOCKS5/TCP/UDP	This signature detects HyperText Transfer Protocol (HTTP). World Wide Web uses this protocol. This signature defines how messages are formatted and transmitted and what actions Web servers and browsers should take in response to various commands. HTTP usually runs on TCP port 80.

Table 3: Updated Applications (Continued)

Sr. No.	Application Name	Application Type	Reported Over	Description
3	HTTP2	Web	SSL/TCP	HTTP/2 is the second major version of the HTTP network protocol that the World Wide Web uses
4	HAO123	Web	HTTP/HTTP2/HTTPS/SPDY/SSL	This plug-in classifies the http traffic to the host hao123.com.
5	OMNICAST	Multimedia	HTTP/HTTP2/HTTPS/RTP/RTSP/SPDY/TCP/UDP	Omnicast is an IP CCTV (closed-circuit television) collector, storage and visualization product. This plug-in classifies http and rtsp flows of Omnicast. This plug-in does not handle protocols specific to cameras.
6	PI-DATA	Infrastructure	TCP	This plug-in classifies OSI PIDataArchive and Server SCADA protocol.
7	SMTP	Messaging	SOCKS4/SOCKS5/TCP	This signature detects Simple Mail Transfer Protocol (SMTP). SMTP is protocol for e-mail transmission across the Internet. It is an Internet standard host-to-host mail transport protocol. SMTP usually runs on TCP port 25.

Table 3: Updated Applications (Continued)

Sr. No.	Application Name	Application Type	Reported Over	Description
8	SYMANTEC-SEP	Infrastructure	DCERPC/HTTP/HTTP2/HTTPS/SPDY/SSL	Symantec developed SymantecEndpoint Protection (SEP). SEP is a security software suite. SEP consists of anti-malware, intrusion prevention, and firewall features for servers and desktops. SEP has the largest market-share of any product for endpoint security.
9	SOSO	Web	HTTP/HTTP2/HTTPS/SSL/SPDY	This protocol plug-in classifies the http traffic to the host soso.com.
10	TELNET	Remote-Access	TCP	This signature detects Telnet. Telnet is a remote text-based login protocol. Telnet usually runs on TCP port 23.
11	TIANYA	Web	HTTP/HTTP2/HTTPS/SSL/SPDY	This signature detects TianyaClub. Tianya is one of the most popular Internet forums in China. Tianya provides BBS, blog, and photo hosting services.

Table 3: Updated Applications (Continued)

Sr. No.	Application Name	Application Type	Reported Over	Description
12	X11	Remote-Access	TCP	X Window System is a system for implementing a window-based user interface on bit-mapped displays. X11 is the most current and widely used version of X. It is actually a network protocol that was designed to allow Unix programs that utilize a GUI to send the graphical output to a remote display. X11 usually runs on TCP port 6000, 6001, 6002, and other ports.

Custom Applications

This release of JDPI-Decoder does not introduce any enhancements to the custom applications.

New or Modified Application Groups

Table 4 on page 6 lists the application additions and modifications in this release of JDPI-Decoder.

Table 4: Modified Application Groups

Application Group Name	Applications Details
Applications:infrastructure	Added ONGUARDCLIENT and OMRON-FINS applications to the application group.

Obsolete Applications

This release of JDPI-Decoder does not have any obsolete application.

Resolved Issues

[Table 5 on page 7](#) describes the resolved issues in this release of JDPI-Decoder.

Table 5: Resolved Issue

Problem Report	Description
1558458	AppID is unable to trigger vSRX Secure Web proxy transparent mode is for Custom applications.
1573791	AppID is unable to detect X11 application.
1574757	AppID is unable to detect PI application.
1576575	AppID is unable to detect junos:gaming, when you use this application with application junos-defaults in unified security policy.

Requesting Technical Support

IN THIS SECTION

- [Self-Help Online Tools and Resources | 8](#)
- [Creating a Service Request with JTAC | 9](#)

Technical product support is available through the Juniper Networks Technical Assistance Center (JTAC). If you are a customer with an active J-Care or Partner Support Service support contract, or are covered under warranty, and need post-sales 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 <https://www.juniper.net/us/en/local/pdf/resource-guides/7100059-en.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: <https://www.juniper.net/customers/support/>
- Search for known bugs: <https://prsearch.juniper.net/>
- Find product documentation: <https://www.juniper.net/documentation/>
- Find solutions and answer questions using our Knowledge Base: <https://kb.juniper.net/>
- Download the latest versions of software and review release notes: <https://www.juniper.net/customers/csc/software/>
- Search technical bulletins for relevant hardware and software notifications: <https://kb.juniper.net/InfoCenter/>
- Join and participate in the Juniper Networks Community Forum: <https://www.juniper.net/company/communities/>
- Create a service request online: <https://myjuniper.juniper.net>

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

Creating a Service Request with JTAC

You can create a service request with JTAC on the Web or by telephone.

- Visit <https://myjuniper.juniper.net>.
- • 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, see <https://support.juniper.net/support/requesting-support/>.

Revision History

April 09, 2021—Revision 1, JDPI Release Notes.

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