

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

Published
2023-10-06

RELEASE

Table of Contents

[Recent Release History](#)

[Overview](#)

[New Features and Enhancements](#)

[New or Modified Application Groups](#)

[Obsolete Applications](#)

[Resolved Issues](#)

[Requesting Technical Support](#)

[Revision History](#)

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	Micro App Infra Version	Custom App Infra Version	Features and Resolved Issues
October 06, 2023	The relevant signature package version is 3639.	1.550.2-43	5.7.1-47	1.2.0-1	1.0.0-1	This JDPI-Decoder version is supported only on the Junos OS 19.2R1 and later releases 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 19.2R1 and later releases which support the v5 engine. This signature package is not compatible with Junos OS releases supporting v4 engine. There are no more updates planned for PB1.460.2-46 for Junos OS releases supporting v4 engine.

New Features and Enhancements

IN THIS SECTION

- Custom Applications | 2
- Updated Applications | 2

The following sections describe new features and enhancements available in the JDPI-Decoder releases:

Custom Applications

- **Custom AppID Signature Based on SAN.** Subject Alternative Name in custom application signatures (SRX Series Firewalls, vSRX3.0). You can create an AppID custom signature using the SAN (Subject Alternative Name) certificate attribute for SSL signatures. An SSL certificate with the SAN attribute allows specifying multiple host names or IP addresses in a single certificate. With this enhancement, custom application signatures can detect applications based on the application's host names listed in the SAN field of the SSL certificate.

You can configure SAN using the `ssl-subject-alt-name` option under `[edit services application-identification application name over SSL signature name member name context]` hierarchy.

Updated Applications

The descriptions of the following applications are updated.

[Table 2 on page 2](#) lists the application updates in this release of JDPI-Decoder.

Table 2: Updated Applications

Sr. No.	Application Name	Application Type	Reported Over	Description
1	SKYPE-VOICE-VIDEO	VoIP	SKYPE	SKYPE voice and video service.

Table 2: Updated Applications (*Continued*)

Sr. No.	Application Name	Application Type	Reported Over	Description
2	MS-TEAMS-CHAT	Messaging	MS-TEAMS	MS-TEAMS chat service.
3	MS-TEAMS-AUDIO	Messaging	MS-TEAMS	MS-TEAMS audio service.
4	MS-TEAMS-VIDEO	Messaging	MS-TEAMS	MS-TEAMS video service.
5	MS-TEAMS-FILE-TRANSFER	Messaging	MS-TEAMS	MS-TEAMS file transfer service.
6	ZOOM-CHAT	Messaging	ZOOM	ZOOM chat service.
7	ZOOM-FILE-TRANSFER	Messaging	ZOOM	ZOOM file transfer service.
8	ZOOM-VOICE-VIDEO	Messaging	ZOOM	ZOOM voice and video service.

New or Modified Application Groups

This release of JDPI-Decoder does not include any application additions and modifications.

Obsolete Applications

There are no changes in the Obsolete applications list in this release.

Resolved Issues

There are no resolved issues in this release.

Requesting Technical Support

IN THIS SECTION

- Self-Help Online Tools and Resources | 4
- Creating a Service Request with JTAC | 5

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

- October 06, 2023—Revision 1, JDPI Release Notes.

Juniper Networks, the Juniper Networks logo, Juniper, and Junos are registered trademarks of Juniper Networks, Inc. in the United States and other countries. All other trademarks, service marks, registered marks, or registered service marks are the property of their respective owners. Juniper Networks assumes no responsibility for any inaccuracies in this document. Juniper Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice. Copyright © 2023 Juniper Networks, Inc. All rights reserved.