JUNIPER
NETWORKS® | Engineering
Simplicity

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

RELEASE

Table of Contents

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	CASB App Version	Features and Resolved Issues
October 17, 2024	The relevant signature package version is 3749.	1.550.2-43	5.7.1-47	1.2.0-1	1.0.0-1	3.1.4-2	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

New Applications

There are no new applications supported in this release of JDPI-Decoder.

Updated Applications

There are no application updates in this release of JDPI-Decoder.

New or Modified Application Groups

The following table contains information about the new or modified application groups. It is applicable only for Junos OS Release 24.2R1 and later.

Group Name	Group Description	Application Details
CASB-MS_TEAMS-GROUP	Group containing applications related to MS Teams app, which is useful for MSTEAMS CASB detection.	MS-TEAMS, ONEDRIVE, SHAREPOINT, MICROSOFT, OFFICE-DOCS, SHAREPOINT-ADMIN, SHAREPOINT-BLOG, SHAREPOINT-CALENDAR, SHAREPOINT-DOCUMENT, SHAREPOINT-ONLINE

CASB-AMAZONEFS-GROUP	Group containing applications related to Amazon EFS app, which is useful for AMAZONEFS CASB detection.	AMAZON, AMAZON-AWS, AMAZON-COGNITO
CASB-AMAZONS3-GROUP	Group containing applications related to Amazon S3 app, which is useful for AMAZONS3 CASB detection.	AMAZON, AMAZON-AWS, AMAZON-COGNITO
CASB-OUTLOOK-GROUP	Group containing applications related to Outlook app, which is useful for OUTLOOK CASB detection.	OWA, ONEDRIVE, SHAREPOINT, MICROSOFT, OFFICE-DOCS, SHAREPOINT- ADMIN, SHAREPOINT-BLOG, SHAREPOINT-CALENDAR, SHAREPOINT-DOCUMENT, SHAREPOINT-ONLINE
CASB-SLACK-GROUP	Group containing applications related to Slack app, which is useful for SLACK CASB detection.	SLACK
CASB-GOOGLECHAT-GROUP	Group containing applications related to Google Chat app, which is useful for GOOGLE CHAT CASB detection.	GOOGLE-WEBCHAT, GOOGLE-TALK, GOOGLE-DOCS, GOOGLE-GEN, GOOGLE, GMAIL, GOOGLE-NEWS, GOOGLE-TAKEOUT, GOOGLE-CALENDAR, GOOGLE-WEBLIGHT, GOOGLE-EARTH, GOOGLE-SUPL, GOOGLE-CODE, GOOGLE-TRANSLATE, YOUTUBE-KIDS, YOUTUBE, GOOGLE-BLOG, GOOGLE-ACCOUNTS, GOOGLE-SPRAYSCAPE, GOOGLE-ONE, GOOGLE-PLUS, GOOGLE-ADS, GOOGLE-PHOTOS, GOOGLE-BOOKS, GOOGLE-TAGS, GOOGLE-MESSAGES, GOOGLE-TOOLBAR, GOOGLEBOT, GOOGLE-STADIA, YOUTUBE-MUSIC, GOOGLE-VIDEO, GOOGLE-SPACES, GSUITE, GOOGLE-SKYMAP, GOOGLE-API, GOOGLE-APPENGINE, GOOGLE-CLASSROOM, GOOGLE-PAY, GOOGLE-TRUSTED-STORE, GOOGLE-MAPS, GOOGLE- CACHE, GOOGLE-PLAY-MUSIC, GOOGLE-LOCALGUIDES, GMAIL- BASIC, GMAIL-DRIVE, GMAIL- MOBILE, GCP

CASB-META_MESSENGER_GROUP	Group containing applications related to Meta Messenger app, which is useful for META_MESSENGER CASB detection.	FACEBOOK-CHAT, FACEBOOK-ACCESS, FACEBOOK-UPLOAD, FACEBOOK-APP
CASB-OFFICE365-EXCEL-GROUP	Group containing applications related to Office365 Excel app, which is useful for OFFICE365-EXCEL detection.	OWA, ONEDRIVE, SHAREPOINT, MICROSOFT, OFFICE-DOCS, SHAREPOINT- ADMIN, SHAREPOINT-BLOG, SHAREPOINT-CALENDAR, SHAREPOINT-DOCUMENT, SHAREPOINT-ONLINE
CASB-OFFICE365-WORD-GROUP	Group containing applications related to Office365 Word app, which is useful for OFFICE365-WORD detection.	OWA, ONEDRIVE, SHAREPOINT, MICROSOFT, OFFICE-DOCS, SHAREPOINT- ADMIN, SHAREPOINT-BLOG, SHAREPOINT-CALENDAR, SHAREPOINT-DOCUMENT, SHAREPOINT-ONLINE
CASB-OFFICE365-POWERPOINT-GROUP	Group containing applications related to Office365 PowerPoint app, which is useful for OFFICE365-POWERPOINT detection.	OWA, ONEDRIVE, SHAREPOINT, MICROSOFT, OFFICE-DOCS, SHAREPOINT- ADMIN, SHAREPOINT-BLOG, SHAREPOINT-CALENDAR, SHAREPOINT-DOCUMENT, SHAREPOINT-ONLINE
CASB-GMAIL-GROUP	Group containing applications related to Gmail app, which is useful for GMAIL CASB detection.	GOOGLE-DOCS, GOOGLE-GEN, GOOGLE, GMAIL, GOOGLE- NEWS, GOOGLE-TAKEOUT, GOOGLE-CALENDAR, GOOGLE- WEBLIGHT, GOOGLE-EARTH, GOOGLE-SUPL, GOOGLE-CODE, GOOGLE-TRANSLATE, YOUTUBE- KIDS, YOUTUBE, GOOGLE-BLOG, GOOGLE-ACCOUNTS, GOOGLE-SPRAYSCAPE, GOOGLE-ONE, GOOGLE-PLUS, GOOGLE-ADS, GOOGLE-PHOTOS, GOOGLE-BOOKS, GOOGLE-TAGS, GOOGLE-MESSAGES, GOOGLE- TOOLBAR, GOOGLEBOT, GOOGLE-STADIA, YOUTUBE- MUSIC, GOOGLE-VIDEO, GOOGLE-SPACES, GSUITE, GOOGLE-SKYMAP, GOOGLE-API, GOOGLE-APPENGINE, GOOGLE-CLASSROOM, GOOGLE-PAY, GOOGLE-TRUSTED-STORE, GOOGLE-MAPS, GOOGLE- CACHE, GOOGLE-PLAY-MUSIC, GOOGLE-LOCALGUIDES, GMAIL- BASIC,

		GMAIL-DRIVE, GMAIL- MOBILE, GCP
CASB-GOOGLEDOCS-GROUP	Group containing applications related to GoogleDocs app, which is useful for GOOGLE_DOCS CASB detection.	GOOGLE-DOCS, GOOGLE-GEN, GOOGLE, GMAIL, GOOGLE- NEWS, GOOGLE-TAKEOUT, GOOGLE-CALENDAR, GOOGLE- WEBLIGHT, GOOGLE-EARTH, GOOGLE-SUPL, GOOGLE-CODE, GOOGLE-TRANSLATE, YOUTUBE- KIDS, YOUTUBE, GOOGLE-BLOG, GOOGLE-ACCOUNTS, GOOGLE-SPRAYSCAPE, GOOGLE-ONE, GOOGLE-PLUS, GOOGLE-ADS, GOOGLE-PHOTOS, GOOGLE-BOOKS, GOOGLE-TAGS, GOOGLE-MESSAGES, GOOGLE- TOOLBAR, GOOGLEBOT, GOOGLE-STADIA, YOUTUBE- MUSIC, GOOGLE-VIDEO, GOOGLE-SPACES, GSUITE, GOOGLE-SKYMAP, GOOGLE-API, GOOGLE-APPENGINE, GOOGLE-CLASSROOM, GOOGLE-PAY, GOOGLE-TRUSTED-STORE, GOOGLE-MAPS, GOOGLE- CACHE, GOOGLE-PLAY-MUSIC, GOOGLE-LOCALGUIDES, GMAIL- BASIC, GMAIL-DRIVE, GMAIL- MOBILE, GCP
CASB-SALESFORCE-GROUP	Group containing applications related to Salesforce app, which is useful for SALESFORCE CASB detection.	SALESFORCE, SALESFORCE-CHATTER
CASB-DROPBOX-GROUP	Group containing applications related to Dropbox app, which is useful for DROPBOX CASB detection.	DROPBOX-CLEAR
CASB-BOX-GROUP	Group containing applications related to Boxnet app, which is useful for BOXNET CASB detection.	BOXDOTNET

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 | 7
- Creating a Service Request with JTAC | 8

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 *JTACUser 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 17, 2024—Revision 1, JDPI-Decoder Release Notes.