

# Release Notes

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## IDP Detector Engine

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# Recent Release History

The following table summarizes the features and resolved issues in recent releases. You can use this table to help you decide to update the IDP detector engine version in your deployment.

**Table 1: IDP Detector Engine Features and Resolved Issues by Release**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
June 25, 2025	Junos OS <ul style="list-style-type: none"> <li>12.6.130250512</li> </ul>	The relevant signature package version is 3819.	Service release for SRX1500, SRX1600, SRX2300, SRX4000 line of devices, and vSRX 2.0. This release improves security efficacy and contains fixed issues.
November 20, 2024	Junos OS <ul style="list-style-type: none"> <li>12.6.140240709</li> <li>12.6.160240709</li> </ul>	The relevant signature package version is 3759.	Service release for SRX5400, SRX5600, SRX5800, SRX320, SRX340, SRX345, and SRX380. This release improves security efficacy and contains fixed issues.
November 13, 2024	Junos OS <ul style="list-style-type: none"> <li>12.6.180240709</li> </ul>	The relevant signature package version is 3757.	Service release for vSRX 3.0. This release improves the security efficacy and contains fixed issues.
November 6, 2024	Junos OS <ul style="list-style-type: none"> <li>12.6.130240709</li> </ul>	The relevant signature package version is 3755.	Service release for SRX1500, SRX1600, SRX2300, SRX4000 line of devices, and vSRX 2.0. This release improves security efficacy and contains fixed issues.
June 12, 2024	Junos OS <ul style="list-style-type: none"> <li>12.6.130240409</li> </ul>	The relevant signature package version is 3712.	Service release for SRX1500, SRX1600, SRX2300, SRX4000 line of devices, and vSRX 2.0. This release improves security efficacy and contains fixed issues.
May 22, 2024	Junos OS <ul style="list-style-type: none"> <li>12.6.140240409</li> <li>12.6.160240409</li> <li>12.6.180240409</li> </ul>	The relevant signature package version is 3706.	Service release for SRX5400, SRX5600, SRX5800, SRX320, SRX340, SRX345, SRX380, and vSRX 3.0. This release improves security efficacy and contains fixed issues.
May 03, 2024	Junos OS <ul style="list-style-type: none"> <li>12.6.130240422</li> </ul>	The relevant signature package version is 3701.	Service release for SRX1500, SRX1600, SRX2300, SRX4000 line of devices, and vSRX 2.0. This release improves security efficacy and contains fixed issues.

April 09, 2024	Junos OS <ul style="list-style-type: none"> <li>12.6.130240401</li> </ul>	The relevant signature package version is 3693.	Service release for SRX1500, SRX1600, SRX2300, SRX4000 line of devices, and vSRX 2.0. This release improves the security efficacy and contains fixed issues.
July 14, 2023	Junos OS <ul style="list-style-type: none"> <li>12.6.160230509</li> </ul>	The relevant signature package version is 3615.	Service release for SRX320, SRX340, SRX345, SRX380 line of devices.
May 17, 2023	Junos OS <ul style="list-style-type: none"> <li>12.6.140230313</li> <li>12.6.160230313</li> <li>12.6.180230313</li> </ul>	The relevant signature package version is 3598.	Service release for SRX5400, SRX5600, SRX5800, SRX320, SRX340, SRX345, SRX380 line of devices, and vSRX 3.0. The inspection capability of a compressed HTTP payload is enhanced in this release.
March 31, 2023	Junos OS <ul style="list-style-type: none"> <li>12.6.130230313</li> </ul>	The relevant signature package version is 3585.	Service release for SRX1500, SRX4000 line of devices, and vSRX 2.0. The inspection capability of a compressed HTTP payload is enhanced in this release.
January 24, 2023	Junos OS <ul style="list-style-type: none"> <li>12.6.140210820</li> <li>12.6.130210820</li> <li>12.6.160210820</li> </ul>	The relevant signature package version is 3565.	Service release for SRX300, SRX320, SRX340, SRX345, SRX380, SRX550 HM, SRX1500, SRX4000 line of devices, SRX5000 line of devices, and vSRX 2.0.
February 10, 2022	Junos OS <ul style="list-style-type: none"> <li>12.6.130200828</li> <li>12.6.140200828</li> <li>12.6.160200828</li> <li>12.6.180220128</li> </ul>	The relevant signature package version is 3465.	Service release for vSRX 3.0 and Junos OS.
September 23, 2020	IDP OS <ul style="list-style-type: none"> <li>5.1.110170603</li> </ul> Junos OS <ul style="list-style-type: none"> <li>12.6.130200828</li> <li>12.6.140200828</li> <li>12.6.160200828</li> </ul>	The relevant signature package version is 3317.	Service release for IDP OS, Junos OS, and ScreenOS platforms.

	<ul style="list-style-type: none"> <li>• 12.6.180200828</li> </ul> <p>ScreenOS</p> <ul style="list-style-type: none"> <li>• 3.5.141818</li> </ul>		
July 23, 2019	<p>IDP OS</p> <ul style="list-style-type: none"> <li>• 5.1.110170603</li> </ul> <p>Junos OS</p> <ul style="list-style-type: none"> <li>• 12.6.130190722</li> <li>• 12.6.140190722</li> <li>• 12.6.160190722</li> <li>• 12.6.180190722</li> </ul> <p>ScreenOS</p> <ul style="list-style-type: none"> <li>• 3.5.141818</li> </ul>	The relevant signature package version is 3191.	<p>Service release for IDP OS, Junos OS, and ScreenOS platforms.</p> <p>This release introduces the following new contexts to generate a specific context field:</p> <ul style="list-style-type: none"> <li>• http-header-x-forwarded-for</li> <li>• http-header-x-forwarded-host</li> <li>• http-header-x-forwarded-proto</li> <li>• smtp-header-x-originating-ip</li> </ul> <p>You can use these new contexts for the predefined http-header signatures. Earlier, the http-header context is used to generate a generic context field.</p> <p>If the custom signatures use http-header context for X-Forwarded-For, X-Forwarded-Host, and X-Forwarded-Proto, then you must modify the signatures to use the new contexts.</p> <p>There is no impact on the existing signatures for SMTP contexts.</p>

**Table 1: IDP Detector Engine Features and Resolved Issues by Release (Continued)**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
April 23, 2019	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110170603</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.130190309</li> <li>• 12.6.140190309</li> <li>• 12.6.160190309</li> <li>• 12.6.180190309</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141818</li> </ul>	The relevant signature package version is 3164.	Service release for IDP OS, Junos OS, and ScreenOS platforms.
October 17, 2018	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110170603</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.130180509</li> <li>• 12.6.140180509</li> <li>• 12.6.160180509</li> <li>• 12.6.180180521</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141818</li> </ul>	The relevant signature package version is 3110.	Service release for IDP OS, Junos OS, and ScreenOS platforms.

**Table 1: IDP Detector Engine Features and Resolved Issues by Release (Continued)**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
October 08, 2018	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110170603</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.130181002</li> <li>• 12.6.140181002</li> <li>• 12.6.160181002</li> <li>• 12.6.180181002</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141818</li> </ul>	-	<p>Service release for IDP OS, Junos OS, and ScreenOS platforms.</p> <p>This release introduces new DNS service context <code>dns-flags</code>. Predefined signatures that matches flags of a DNS request or response.</p> <p>In this release, the <code>http-text-html-body</code> and <code>http-text-html-tag</code> services contexts are deprecated.</p>
June 28, 2018	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110170603</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.130180509</li> <li>• 12.6.140180509</li> <li>• 12.6.160180509</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141818</li> </ul>	-	<p>Service release for IDP OS, Junos OS, and ScreenOS platforms.</p>



**Table 1: IDP Detector Engine Features and Resolved Issues by Release (Continued)**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
November 30, 2017	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110170603</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.130171124</li> <li>• 12.6.140171124</li> <li>• 12.6.160171124</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141818</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.
November 21, 2017	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110170929</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.140170929</li> <li>• 12.6.130170929</li> <li>• 12.6.160170929</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141871</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.

**Table 1: IDP Detector Engine Features and Resolved Issues by Release (Continued)**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
June 29, 2017	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110170603</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160170603</li> <li>• 12.6.140170603</li> <li>• 12.6.130170603</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141818</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.
November 03, 2016	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110161014</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160161014</li> <li>• 12.6.140161014</li> <li>• 12.6.130161014</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141652</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.  Starting this release, the IDP detector engine supports SRX4100 and SRX4200 platforms.

**Table 1: IDP Detector Engine Features and Resolved Issues by Release (Continued)**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
June 21, 2016	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110160603</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160160603</li> <li>• 12.6.150160603</li> <li>• 12.6.140160603</li> <li>• 12.6.130160603</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141597</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.
December 10, 2015	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110151117</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160151117</li> <li>• 12.6.150151117</li> <li>• 12.6.140151117</li> <li>• 12.6.130151117</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.141455</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.

**Table 1: IDP Detector Engine Features and Resolved Issues by Release (Continued)**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
October 8, 2015	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110151004</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160151004</li> <li>• 12.6.150151004</li> <li>• 12.6.140151004</li> <li>• 12.6.130151004</li> </ul> Screen OS <ul style="list-style-type: none"> <li>• 3.5.141421</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.
June 25, 2015	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110150609</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160150609</li> <li>• 12.6.150150609</li> <li>• 12.6.140150609</li> <li>• 12.6.130150609</li> </ul> Screen OS <ul style="list-style-type: none"> <li>• 3.5.141332</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.

**Table 1: IDP Detector Engine Features and Resolved Issues by Release (Continued)**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
September 10, 2014	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110140822</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160140822</li> <li>• 12.6.150140822</li> <li>• 12.6.140140822</li> <li>• 12.6.130140822</li> </ul> Screen OS <ul style="list-style-type: none"> <li>• 3.5.140842</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.
June 17, 2014	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110140603</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160140603</li> <li>• 12.6.150140603</li> <li>• 12.6.140140603</li> <li>• 12.6.130140603</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.140733</li> </ul>	-	Feature release.  This release introduces new HTTP service contexts <code>http-flash</code> , <code>http-ole</code> , and <code>http-pdf</code> . Predefined signatures that used to use the <code>http-data</code> context to detect Flash, OLE, and PDF files have been rewritten to use the new context. If you have created custom signatures to detect Flash, OLE, or PDF, we recommend you rewrite your signatures to use the new, simpler contexts.

**Table 1: IDP Detector Engine Features and Resolved Issues by Release (*Continued*)**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
February 11, 2014	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110140207</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160140207</li> <li>• 12.6.150140207</li> <li>• 12.6.140140207</li> <li>• 12.6.130140207</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.140407</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.
November 26, 2013	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110131122</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160131122</li> <li>• 12.6.150131122</li> <li>• 12.6.140131122</li> <li>• 12.6.130131122</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.140347</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.

**Table 1: IDP Detector Engine Features and Resolved Issues by Release (Continued)**

Release Date	Detector Engine Version	Signature Package Version	Features and Resolved Issues
July 25, 2013	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110130715</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160130715</li> <li>• 12.6.150130715</li> <li>• 12.6.140130715</li> <li>• 12.6.130130715</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.140185</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.
April 16, 2013	IDP OS <ul style="list-style-type: none"> <li>• 5.1.110130325</li> </ul> Junos OS <ul style="list-style-type: none"> <li>• 12.6.160130325</li> <li>• 12.6.150130325</li> <li>• 12.6.140130325</li> <li>• 12.6.130130325</li> </ul> ScreenOS <ul style="list-style-type: none"> <li>• 3.5.140032</li> </ul>	-	Service release for IDP OS, Junos OS, and ScreenOS platforms.

# IDP Detector Engine Overview

The IDP detector engine is a dynamic protocol decoder that includes support for decoding more than 60 protocols and more than 500 service contexts. The IDP detector engine is used by the IDP process engine in packet analysis.

The detector engine and application signature code base is packaged and released separately from the Junos OS code base. Juniper Networks Security Intelligence Center releases IDP detector engine updates more frequently in order to ensure that IDP products protect your network against recently discovered vulnerabilities.

**NOTE:** We recommend you subscribe to the IDP Signature Updates technical bulletin to be notified when the Security Intelligence Center releases IDP detector engine updates. Go to <https://www.juniper.net/alerts/subscribe.jsp?actionBtn=Modify> (login required). We also suggest you subscribe to the RSS feed to follow signature update announcements. Go to <http://rss.juniper.net/p/subscribe> (no login required).

## Understanding IDP Detector Engine Version Numbers

The IDP detector engine versions that are compatible with your system vary by product family and operating system version. The following table summarizes IDP detector engine version compatibility.

**Table 2: IDP Detector Engine Version Compatibility**

Hardware	Operating System	IDP Detector Engine Version
IDP Series: IDP8200, IDP800, IDP250, IDP75	IDP 5.1.x	5.1.110YYMMDD
SRX Series (branch): SRX650, SRX550, SRX380, SRX345, SRX340, SRX320, SRX300, SRX240, SRX210, SRX100	Junos OS 9.4 and later	12.6.160YYMMDD
M/MX Series	Junos OS 9.4 and later	12.6.150YYMMDD



**Table 2: IDP Detector Engine Version Compatibility (Continued)**

Hardware	Operating System	IDP Detector Engine Version
SRX Series (high end): SRX5800, SRX5400, SRX5600, SRX3600, SRX3400, SRX1400	Junos OS 9.2 and later	12.6.140YYMMDD
vSRX, SRX1500, SRX4100, SRX4200, SRX4600	Junos OS 9.5 and later	12.6.130YYMMDD
vSRX 3.0	Junos OS 18.4 and later	12.6.180YYMMDD

## Displaying the IDP Detector Engine Version Number

### IN THIS SECTION



[Using the IDP OS CLI to Display the Detector Engine Version | 15](#)

[Using the Junos OS CLI to Display the Detector Engine Version | 16](#)

[Using Security Director Application to Display the Detector Engine Version | 17](#)

The following topics give procedures for displaying the IDP detector engine version number:

## Using the Junos OS CLI to Display the Detector Engine Version

To display the IDP detector engine version on a Junos OS device:

1. Log in to the Junos OS CLI and enter operational mode. For details, see the Junos OS documentation.
2. Enter the command shown in the following example:

```

user@host> show security idp security-package-version
Attack database version:1651(Wed May 21 16:42:03 2010)
Detector version :10.4.140100513
Policy template version :N/A

```

In this example, the detector version number is 10.4.140100513.

## Using the IDP OS CLI to Display the Detector Engine Version

To display the IDP detector engine version number on an IDP OS device:

1. Connect to the CLI as the user admin and switch to the user root.
2. Run the `scio getsystem` command as shown in the following example:

```

login as: admin
admin's password:

Last login: Thu May  9 17:31:47 2010 from 10.150.99.42

[admin@idp ~]$ su -
Password:

[root@idp ~]# scio getsystem
Product Name: NS-IDP-8200
Serial Number: 0254092008000019
Software Version: 5.0.127636
IDP Mode: transparent
HA Mode: Disabled
Detector Version: 5.0.110100517
Software License: Evaluation

```

```
Software Expiration Date: 4/25/2011  
[root@idp ~]#
```

In this example, the version is 5.0.110100517.

## Using Security Director Application to Display the Detector Engine Version

To view the version of the latest IDP detector engine that has been downloaded to the Junos Space:

- Log in to the Security Director application.
- In the Security Director application, click Administration and click Signature Database.

The wizard displays the IDP detector engine versions that have been downloaded.

To view version information for the IDP detector engine installed on an IDP Series device:

- In the Security Director application, click the Install Signatures button. This displays the IDP detector version for each managed device.

## Updating the IDP Detector Engine

### IN THIS SECTION



- Using the Junos OS CLI to Update the Detector Engine Software | 18
- Using J-Web to Update the Detector Engine Software | 19

The following topics give procedures for updating IDP detector engine software:

## Using the Junos OS CLI to Update the Detector Engine Software

To update a Junos OS device using the Junos OS CLI:

1. Download the security package. The security package includes the detector and the latest attack objects and groups.

```
user@host> request security idp security-package download full-update
```

2. Update the attack database, the active policy, and the detector with the new package.

```
user@host> request security idp security-package install
```

3. Check the attack database update status with the following command. The command output displays information about the downloaded and installed versions of attack database versions.

```
user@host> request security idp security-package install status
```

4. Commit the configuration.

For additional information, see the Junos OS security configuration [documentation](#).

## Using J-Web to Update the Detector Engine Software

To update a Junos OS device using J-Web Quick Configuration:

1. Select Configuration > Quick Configuration > Security Policies > IDP Policies.
2. From the IDP policies page, click Security Package Update.
3. From the IDP page, click Signature/Policy Update.
4. Complete the configuration as described in the online help.
5. Click Apply.

For additional information, see the Junos OS security configuration [documentation](#).

# Reverting the IDP Detector Engine Version

In most cases, your use of the IDP feature set will not benefit from reverting the IDP detector engine version. In some cases, however, you might be required to revert. If you encounter an issue and need to revert, contact Juniper Networks Technical Assistance Center (JTAC).

## Resolved Issues

This release improves security efficacy and contains fixed issues.

## Revision History

June 25, 2025 —Revision 1—IDP Detector Engine Release Notes.

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