Release Notes for Cisco IOS XRd, IOS XR Release 26.1.1

Contents

Cisco IOS XRd, IOS XR Release 26.1.1

Cisco IOS XR Release 26.1.1 is a new feature and hardware release for XRd. Key highlights include enhanced software reliability with strengthened SSH Host Key Generation with RSA 3072.

New software features

Table 1.   New software features for IOS XRd, Release 26.1.1

Product impact	Feature	Description
System Monitoring		
Software Reliability	Strengthened SSH Host Key Generation with RSA 3072	This update enhances device security by automatically generating RSA 3072-bit SSH host keys during system boot, replacing the previous default of RSA 2048-bit keys. The stronger key size aligns with industry best practices and provides improved cryptographic protection, ensuring secure SSH access and compliance with future security requirements.

Changes in behavior

- The default minimum syslog TLS version is now TLS 1.2 to enhance security. A one-time syslog warning will be generated if TLS 1.0 or TLS 1.1 is used, and a continuous warning will occur if the syslog minimum TLS version is configured as TLS 1.0 or 1.1.

- Starting with the Cisco IOS XR Software Release 26.1.1, if the route-policy applied to the eBGP neighbor includes the set next-hop unchanged command, the system preserves and advertises both the received remote SRv6 SID and the remote next-hop when advertising the leaked route from GRT to the VRF table. The local SRv6 SID is no longer always sent.

Open issues

There are no open issues in this release.

Known issues

There are no known issues in this release.

Compatibility

Supported deployments

This section details the supported XRd deployments in this release.

Table 2.   Supported deployments for Cisco IOS XRd, Release 26.1.1

Deployment	Reference
Amazon Elastic Kubernetes Service (AWS EKS)	[XRd vRouter or XRd Control Plane on AWS EKS](#)
XRd lab deployments	[XR docs virtual routing](#)

Related resource

Table 3.   Related resource

Resource	Description
Smart licensing	Provides information about Smart Licensing Using Policy solutions and their deployment on IOS XR routers.
Cisco XRd documentation	Provides CDC documentation for Cisco XRd.
XRd tools	Provides utilities to: - Apply bugfixes to XRd images - Verify the host is setup correctly to run XRd - Assist in launching XRd instances in a lab environment
XR docs virtual routing	Provides instructions for deploying XRd in lab settings, along with information on other deployment environments that are not yet officially supported.
Cisco IOS XR Error messages	Allows searching by release number, error strings, or comparing release numbers to view a detailed repository of error messages and descriptions.
Cisco IOS XR MIBs	Allows selecting the MIB of your choice from a drop-down to explore an extensive repository of MIB information.
Feature deprecation and removal details	Outlines the features currently supported by each operating system.
Feature deprecation phasing out insecure capabilities	Provides a list of insecure features and protocols that are scheduled for systematic deprecation and eventual removal from specified Cisco products.
Feature removal and suggested alternatives	Details the reasons why certain features or protocols are deemed insecure and offers secure alternatives when available.
Yang data models in GitHub	Provides yang data models introduced and enhanced in every IOS XR release.
Recommended release	Provides a general guide in case of upgrading IOS XR routers or new deployments that involve IOS XR routers.

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