Release Notes for Cisco Crosswork Planning, Release 7.2.1-SP

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Cisco Crosswork Planning, Release 7.2.1-SP

In alignment with Cisco's ongoing commitment to proactive security and product quality, the Crosswork Planning engineering team has conducted a comprehensive internal security review. This software hardening release incorporates the findings from that assessment and addresses multiple internally discovered vulnerabilities.

We strongly encourage you to upgrade to this new release to take advantage of this strengthened security posture and ensure your environment remains protected by our latest standards. For information about Cisco's approach to security vulnerability disclosure and software hardening releases, refer to Cisco's Transition to a Risk-Based Vulnerability Disclosure Model.

To review security advisories that apply to this release, refer to Cisco Crosswork Security Hardening Release: August 2026.

Release relationship and upgrade guidance

Cisco Crosswork Planning 7.2.1-SP is the latest release in the 7.2.x release family. This release includes the features and enhancements previously introduced in 7.2.0, in addition to the updates delivered with 7.2.1-SP.

If you are currently running release 7.2.0, we recommend that you upgrade to ri-SP. For more information, refer to Installation and upgrade instructions.

The feature information in these Release Notes is cumulative. Features identified as introduced in 7.2.0 continue to be supported in 7.2.1-SP.

Cisco Crosswork Planning 7.2.1-SP installation files

This section provides an overview of the installation files related to the Cisco Crosswork Planning 7.2.1-SP release. Review the list and download the required installation file from the Cisco Software Download page to a local machine. Ensure that this machine can be accessed via scp by Crosswork.

Table 1. Installation files

Filename	Use
crosswork-planning-single-node-deployment-7.2.1.ova	Use this file for installation using the vCenter vSphere UI
crosswork-planning-single-node-docker-deployment-7.2.1.tar.gz	Use this file for installation using the Docker installer.
crosswork-planning-single-node-deployment-7.2.1-qcow2.tar.gz	Use this file for installation on KVM.
crosswork-planning-single-node-cft-7.2.1.tar.gz	Use this file for installation on Amazon EC2.

Installation and upgrade instructions

Cisco Crosswork Planning 7.2.1-SP can be installed as a new deployment, or upgraded directly from versions 7.2.0 and 7.1.2.

This section provides documentation links for installing and upgrading Cisco Crosswork Planning version 7.2.1-SP using various methods and tools. Use these references to access details, procedures, and parameter descriptions for each deployment or upgrade option. For more information on installation and upgrade requirements and procedures, refer to the Cisco Crosswork Planning 7.2.x Installation Guide.

Table 2. Install and upgrade instructions

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Activity	Documentation link
Install Cisco Crosswork Planning 7.2.1-SP using the vCenter vSphere UI	Install Cisco Crosswork Planning using the vCenter vSphere UI
Install Cisco Crosswork Planning 7.2.1-SP using the OVF tool	Install Cisco Crosswork Planning using the OVF tool
Install Cisco Crosswork Planning 7.2.1-SP using the Docker installer	Install Cisco Crosswork Planning using the Docker installer tool **Note**: Ensure that you use the *crosswork-planning-single-node-deployment-7.2.1.ova* file.
Install Cisco Crosswork Planning 7.2.1-SP on KVM	Installation workflow for Cisco Crosswork Planning on KVM **Note**: Ensure that you use the *crosswork-planning-single-node-deployment-7.2.1-qcow2.tar.gz* file.
Installation parameter descriptions	Installation parameters
Upgrade to Cisco Crosswork Planning 7.2.1-SP from version 7.2.0 or 7.1.2	Upgrade Cisco Crosswork Planning
Upgrade Cisco Crosswork Planning applications independently	Upgrade Cisco Crosswork Planning applications (standalone activity)
Installing Cisco Crosswork Planning 7.2.1-SP on Amazon EC2	Installing Cisco Crosswork Planning on Amazon EC2 **Note**: Ensure that you use the *crosswork-planning-single-node-cft-7.2.1.tar.gz* file.

Upgrade process considerations

Before upgrading, backup your data. Additionally, ensure that the server being patched has sufficient space to unarchive and copy the files.

- at least 5 GB of free space in the /home/cw-admin/ directory
- at least 1 GB of free space in the /tmp/ directory

The upgrade process is disruptive and must be performed during a maintenance window. When upgrading, some processes may temporarily report as unhealthy or degraded. The system status typically updates and applications restart within 30 minutes per application.

Note: Wait until the system status reflects "Healthy" before proceeding to install the next patch file.

Note: If the system status does not return to "Healthy" within 30 minutes, or if you encounter any error while installing the patch, contact the Cisco Customer Experience team before attempting to move forward with the next step.

New software features

This section describes the software features introduced in releases 7.2.0. These features are also available in 7.2.1-SP. No new software features are introduced in 7.2.1-SP.

Table 3. New software features for Cisco Crosswork Planning, Release 7.2.0

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Product impact	Feature	Description
Ease of use	Add-ons support	Cisco Crosswork Planning now supports add-ons, which are customizable components designed to extend the functionality of the Cisco Crosswork Planning Design UI. Add-ons enable you to address specific requirements by providing additional features and integrations beyond the base installation. Key features include: • The ability to run scripts in the same manner as other tools, with generated output plan files and reports available for review. • Invocation of Python executable scripts that can modify network models. These scripts are executed as asynchronous jobs, with results viewable within the Cisco Crosswork Planning Design interface. For more information on configuring add-ons, see the *"Manage Add-ons" chapter in the "Cisco Crosswork Planning Design 7.2.x User Guide".*
	Support for importing .db plan files	You can now import plan files with a .db extension into user space.
	Topology view enhancements	• **Utilization color profiles**: Crosswork Planning now allows you to edit link colors for different traffic utilization ranges. You can now define multiple link utilization coloring threshold profiles. For more information, see the *"Utilization color profiles" section in the "Cisco Crosswork Planning Design 7.2.x User Guide"*. • **Enhanced topology plot visualization**: You now have the option to bring the selected objects to the foreground in the topology plot, making it easier to view while de-emphasizing other objects. Additionally, you now have the option to completely hide unselected items for a clearer and more focused visualization.
	Network Design page enhancements	• **Filter to selection**: This feature enables you to display only the selected objects within the network summary tables. • **Bulk action enhancements**: You can now select multiple objects simultaneously and apply a range of actions to all selected items at once. You can perform actions such as Edit, Delete, Fail, and Recover, with no limit on the number of entities selected. • **Cross table filters**: Multiple cross table filters have been added in Cisco Crosswork Planning 7.2.0. For a complete list of cross table filters supported in Cisco Crosswork Planning, see the *"Cross Table Filters" appendix in the "Cisco Crosswork Planning Design 7.2.x User Guide".* • **User-defined columns**: Cisco Crosswork Planning now allows you to add custom columns to standard plan tables. Each user-defined column provides an efficient way to group columns under a single identifier and prevents conflicts with existing plan table names or columns. For more information, see the *"User-defined columns" section in the "Cisco Crosswork Planning Design 7.2.x User Guide"*. • **Traffic display standardization**: Traffic, Capacity, and Bandwidth units are now consistently displayed as (Mbps) in table header tooltips across all relevant network summary tables for improved clarity.

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Product impact	Feature	Description
	Cisco Crosswork Planning Collector component enhancements	• **Startup script support**: You can now configure an external script as a first step in the collection configuration chain instead of the existing mandatory IGP/SRPCE collectors. For more information, see the *"Run an external script as a startup script" section in the "Cisco Crosswork Planning 7.2.x Collection Setup and Administration" document.* • **Dynamic data file access at external script**: You can now upload data files directly to the Cisco Crosswork Planning Collector. External scripts can access these files at run time, without requiring script repackaging or redeployment. This enables scripts in the Cisco Crosswork Planning Collector to use up-to-date, user-uploaded files during execution, supporting more efficient customization. • **Node filter enhancement**: You can now upload a CSV file in the node filter configuration with the list of nodes to be filtered. • **Enable password support**: Cisco Crosswork Planning now includes the **Enable password** field on the device authentication credentials configuration page. • **Download collector logs and record files**: You can now download the logs and record files specific for a collector. For more information, see the *"Download data, logs, and record files" section in the "Cisco Crosswork Planning 7.2.x Collection Setup and Administration" document*.
	Access to plan table schema	All aspects of a plan file are defined using a collection of tables. You can now access all the plan tables from the **Schema Definition** page in the Cisco Crosswork Planning UI. For more information, see the *"Plan tables" section in the "Cisco Crosswork Planning Design 7.2.x User Guide"*.
	Dark mode support	Cisco Crosswork Planning now offers a dark theme option alongside the default light theme. The dark mode is designed to reduce eye strain and enhance comfort in low-light environments by minimizing glare and blue light exposure. Additionally, dark mode may help conserve battery life on compatible devices. For more information, see the *"Enable dark mode" section in the "Cisco Crosswork Planning Design 7.2.x User Guide"*.
	In-product listening for Customer Satisfaction (CSAT) surveys	Cisco products now feature integrated CSAT survey functionality. This allows users to provide immediate feedback via short surveys presented directly within the product interface. All input is delivered straight to Cisco teams, which helps accelerate improvements and streamlines the feedback process compared to previous methods like email and web surveys.
Ease of setup	AWS EC2 support	You can now deploy Cisco Crosswork Planning on the AWS EC2 platform. For information on deploying Cisco Crosswork Planning on AWS EC2, see the *"Installing Cisco Crosswork Planning on Amazon EC2" section in the "Cisco Crosswork Planning 7.2.x Installation Guide"*.

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Product impact	Feature	Description
Software reliability	ASLA delay and ASLA TE metrics	Cisco Crosswork Planning now supports Application-Specific Link Attribute (ASLA) delay and ASLA TE metrics in the FlexAlgo calculation. For more information, see the *"Application-Specific Link Attribute (ASLA)" section in the "Cisco Crosswork Planning Design 7.2.x User Guide"*.
	Asymmetric delay support	Each interface in a circuit can now have its own delay metric instead of there being a single delay value for the circuit as a whole.
	Representative plan file creation	Cisco Crosswork Planning now includes the **Create representative plan** tool which allows you to generate a representative plan file. Representative plan files are network plans that better reflects the overall network state by combining multiple snapshots from an archive. Each representative plan includes multiple traffic levels, each corresponding to a specific time interval, offering a more accurate basis for long-term design and planning. This approach is particularly valuable for analyzing networks where peak utilization occurs at varying times across different interfaces. The topology is derived from a chosen base plan, and you can specify the desired time intervals for traffic levels, such as hourly segments. For more information, see the *"Representative plan files" section in the "Cisco Crosswork Planning 7.2.x Collection Setup and Administration" document*.
	Global traffic level and QoS selection	You can now create and manage several traffic levels that are globally available for each opened plan file. The selected traffic level determines the information displayed in the topology graph and network summary table calculations. Additionally, you can select QoS settings globally for each opened plan file. You can configure service classes, interface queues, and undifferentiated traffic, as well as add or edit service classes, assign service classes to queues, and add or edit service policies. For more information on how to apply QoS settings globally for an opened plan file, see the *"Apply QoS settings globally" section in the "Cisco Crosswork Planning Design 7.2.x User Guide"*.
API experience	L1-related tools and API usage	Cisco Crosswork Planning now supports the execution of L1-related tools and initializers directly from the Job Manager page as CLI jobs. It also supports the execution of L1-related RPC and OPM APIs as scripts.

Resolved issues

This section lists the resolved issues in the Crosswork Planning 7.2.0 and 7.2.1-SP releases.

Table 4. Resolved issues for Cisco Crosswork Planning, Release 7.2.1-SP

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Bug ID	Description
CSCwu44715	LSP traffic measurements in generated plan files may grow exponentially under certain collection conditions, causing incorrect capacity reports

Table 5. Resolved issues for Cisco Crosswork Planning, Release 7.2.0

Bug ID	Description
CSCwp21367	Unable to edit the IP address in the Interfaces table because of a UI issue
CSCwq23198	The CS RSVP Optimizer API is not exposed to end users
CSCws33050	Links with zero utilization show in grey, making it hard to see on the geographical view

Note: This software release may contain bug fixes first introduced in other releases. To see additional information, click the bug ID to access the Cisco Bug Search Tool.

Open issues

Cisco Crosswork Planning 7.2.1-SP

There are no open issues in the Cisco Crosswork Planning 7.2.1-SP release.

Cisco Crosswork Planning 7.2.0

Table 6. Open issues for Cisco Crosswork Planning 7.2.0

Bug ID	Description
CSCwk83659	External Collector Collection configuration should support enabling and disabling
CSCws84455	Cross-table filter from Nodes to Flex Algorithms and vice versa is inconsistent with Node-FlexAlgo mappings
CSCws98272	IGP Metric is set to 0 and IPv6 IGP Metric value is set to null when the field is left blank in GUI
CSCws98252	The interface's Edit IP Address functionality becomes unresponsive in a rare scenario during editing and saving

Note: This software release may contain open bugs first identified in other releases. To see additional information, click the bug ID to access the Cisco Bug Search Tool.

Known issues

This section describes the known issues and limitations that should be considered before starting to work with Cisco Crosswork Planning.

Table 7. Known issues in Cisco Crosswork Planning Collector

Issue	Description
Plan file download format	The Cisco Crosswork Planning Collector application allows you to download plan files only in the .db format. Downloading plan files in the .txt format is not supported.
Archiving and aggregation	You can configure the archiving or aggregation of plan files only by running a collection. It is not possible to set up archive or aggregation of plan files independently.

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Issue	Description
Chart readability	When a large number of collectors are included in a configuration, the chart content displayed on the Preview page becomes difficult to read.

Table 8. Known issues in Cisco Crosswork Planning Design

Issue	Description
Table export options	Some CLI tools have the option to select specific tables (for example, <Nodes> table, <Interfaces> table, and so on). You cannot use this option because there is no option to export these tables from the Network Summary tables.
Distinguishing link types	There is no way to easily distinguish between Inter-AS and Intra-AS links in the network plot, as both are displayed similarly.

Table 9. Other known issues in Cisco Crosswork Planning

Issue	Description
Report log page	Cisco Crosswork Planning does not have a report log page which can assist in identifying basic errors.
Alarms and events	The alarms and events associated with the Cisco Crosswork Planning applications are not supported in Cisco Crosswork Planning.

Compatibility

Supported software versions

Table 10. Supported software versions

Software	Supported version
Operating system	• Cisco IOS XR: 25.4.2, 25.3.2, 25.2.2 • Cisco IOS XE: 17.16.2
Hypervisor and vCenter	• VMware vCenter Server 8.0 (U2c or later) and ESXi 8.0 (U2b or later) • VMware vCenter Server 7.0 (U3p or later) and ESXi 7.0 (U3p or later) • Red Hat Enterprise Linux 8.10 KVM
Cisco Segment Routing Path Computation Element (SR-PCE)	Cisco IOS XR: 25.4.2

Browser compatibility

Table 11. Supported browser versions

Browser	Supported version
Google Chrome	131 or later
Mozilla Firefox	136 or later

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Related resources

Documentation

A User Content Collection Page is available for Cisco Crosswork Planning 7.2.x. Information is categorized per functional area, making it easy to find and easy to access.

You can also access the most current Cisco Crosswork Planning documentation, including these release notes, online at https://www.cisco.com/c/en/us/support/routers/crosswork-planning-7/model.html.

These documents are provided for Cisco Crosswork Planning 7.2.x.

Table 12. Cisco Crosswork Planning 7.2.x documentation

Document	Description
Release Notes for Cisco Crosswork Planning, Release 7.2.1-SP	This document
Cisco Crosswork Planning 7.2.x Installation Guide	• System requirements • Installation instructions • Migrate configurations
Cisco Crosswork Planning 7.2.x Collection Setup and Administration	Using Cisco Crosswork Planning Collector application to: • Configure collections • Configure network models • Configure various collectors for discovery and collection • Install licenses • Manage administrative tasks
Cisco Crosswork Planning Design 7.2.x User Guide	Using Cisco Crosswork Planning Design application to: • Visualize your network • Model, simulate, and analyze failures, design changes, and impact of traffic growth • Optimize your network for maximum efficiency • Generate reports that compare traffic
Open Source Documentation	List of licenses and notices for open-source software used in Cisco Crosswork Planning 7.2.x.

Cisco Bug Search Tool

You can use the Cisco Bug Search Tool to search for bugs.

1. Go to the Cisco Bug Search Tool.
2. Enter your registered Cisco.com username and password, and click **Log In**.

   The Bug Search page opens.

   Note: If you do not have a Cisco.com username and password, you can register on the registration page.
3. From the **Product** drop-down list, select **Series/Model**.
4. Click **Select from List** and select **Routers** > **Service Provider Infrastructure Software** > **Cisco Crosswork Planning** > **Cisco Crosswork Planning 7** and click **Select**.

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5. From the **Release** drop-down list, choose the appropriate filter as, Affecting or Fixed in Releases, Affecting Releases, or Fixed in Releases and enter the release version in the search field.
6. (Optional) You can enter additional criteria (such as bug ID, problem description, a feature, or a product name) in the search field.
7. Click **Search**. When the search results are displayed, use the filter tools to narrow the results. You can filter the bugs by status, severity, and so on.
8. To export the results to a spreadsheet, click **Export Results to Excel**.

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