



Cisco Crosswork Data Gateway 4.0.1 Release Notes for Cloud Applications

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This document provides information about Cisco Crosswork Data Gateway 4.0.1 for Cloud applications, including features, compatibility information, known issues and limitations.

Product Overview

Cisco Crosswork Data Gateway is a model-driven scalable data collection platform that enables real-time data collection from multi-protocol capable devices, thereby reducing the need for multiple collection points for multiple applications requiring data from the network.

Cisco Crosswork Data Gateway offers central visibility into services collecting data and the type of data being collected.

Cisco Crosswork Data Gateway is not a standalone product and is expected to be used with Crosswork Cloud applications. There is no separate software license needed for Cisco Crosswork Data Gateway.

Release Details

Cisco releases updated builds of Crosswork Data Gateway on the [Cisco Support & Software Download](#) site.

Cisco Crosswork Data Gateway can be installed into a data center using any of the platforms listed in the following table. The file used for deployment is unique to each of these environments.

Table 1: Crosswork Data Gateway 4.0.1 Release Details

| Platform | Use |
|-------------------------------------|--|
| VMware | * .ova file. Note When using the latest Mozilla Firefox version to download the .ova image, if the downloaded file has the extension as .dms, change the extension back to .ova before installation. |
| Cisco Cloud Services Platform (CSP) | * .qcow2 UEFI file. |
| OpenStack Platform | * .qcow2 BIOS file. |



Note Direct upgrade from a previous Crosswork Data Gateway version is not supported. You must create a new VM with the same parameters that replaces the existing Crosswork Data Gateway.

What's New

This section lists the features and enhancements delivered in Crosswork Data Gateway 4.0.1 for Cloud Applications.

Table 2: New Features in Crosswork Data Gateway 4.0.1 for Cloud Applications

| Feature | Description |
|---|---|
| OpenStack Support | Provides the option to deploy Cisco Crosswork Data Gateway on OpenStack Platform (OSP 16). |
| Enhancements in the Interactive Console of the Base VM | Introduced the following options in the Interactive Console of the Crosswork Data Gateway Base VM: <ul style="list-style-type: none"> • Configure or modify an auditd server after deploying the VM. • Remove all rotated log files (*.gz or *.xz) in the <code>/var/log</code> and <code>/opt/dg/log</code> folders. |
| Introduced DHCP support in the QCOW image. | Support DHCP addressing when using the QCOW image for deployment. |

The following bug is resolved in this release:

- [CSCwa95058](#): Crosswork Downloading of Images to the Crosswork Data Gateway Fails for Large Files.

Compatibility Information

Cisco Crosswork Data Gateway 4.0.1 for Cloud applications has been validated for use with the following Crosswork Cloud applications:

- Cisco Crosswork Trust Insights is a cloud-based SaaS solution that reports on the integrity of devices and provides forensics for assured inventory.
- Cisco Crosswork Cloud Traffic Analysis service is a hosted application that provides rich analysis, visualization, and optimization recommendations for network traffic flows.

Cisco Crosswork Data Gateway must be deployed using the **Crosswork Cloud** profile for use with Crosswork Cloud applications. For information on deployment, see *Cisco Crosswork Data Gateway 4.0.1 Installation and Configuration Guide for Cloud Applications*.

[Table 3: Cisco Crosswork Data Gateway VM Requirements for Cloud Applications](#) shows software requirements for the supported virtualization platforms along with the physical and network resource requirements needed to support the Crosswork Data Gateway.

The resource requirements to install Crosswork Data Gateway are independent of the virtualization platform.



Note The values shown in the table are the defaults which we recommended using. Deviations from these values should not be made unless you are working with Cisco to determine the unique requirements of your deployment.

Table 3: Cisco Crosswork Data Gateway VM Requirements for Cloud Applications

| Requirement | Description |
|-------------|--|
| Data Center | VMware <ul style="list-style-type: none"> • VMWare vCenter 7.0, ESXi 7.0 installed on the hosts • VMWare vCenter Server 6.7 (Update 3g or later), ESXi 6.7 Update 1 installed on hosts Cisco CSP <ul style="list-style-type: none"> • Cisco CSP 2.8.0.276 or later <pre>Allowed_hardware_list = ['CSP-2100', 'CSP-2100-UCSD', 'CSP-2100-X1', 'CSP-2100-X2', 'CSP-5200', 'CSP-5216', 'CSP-5228', 'CSP-5400', 'CSP-5436', 'CSP-5444', 'CSP-5456']</pre> OpenStack <ul style="list-style-type: none"> • OpenStack OSP16 |
| Memory | 32 GB |
| Disk space | 74 GB |
| vCPU | 8 |

| Requirement | Description | | | | |
|--|--|--|---|---|-------|
| Interfaces | Minimum: 1 Maximum: 3 Crosswork Data Gateway can be deployed with either one, two or three interfaces as per the combinations below: | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="570 466 802 525">No. of NICs</th> <th data-bbox="802 466 1029 525">vNIC0</th> <th data-bbox="1029 466 1256 525">vNIC1</th> <th data-bbox="1256 466 1489 525">vNIC2</th> </tr> </thead> </table> | No. of NICs | vNIC0 | vNIC1 | vNIC2 |
| | No. of NICs | vNIC0 | vNIC1 | vNIC2 | |
| | 1 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="802 525 1029 795"> <ul style="list-style-type: none"> • Management Traffic • Control/Data Traffic • Device Access Traffic </td> <td data-bbox="1029 525 1256 795">—</td> <td data-bbox="1256 525 1489 795">—</td> </tr> </table> | <ul style="list-style-type: none"> • Management Traffic • Control/Data Traffic • Device Access Traffic | — | — |
| | <ul style="list-style-type: none"> • Management Traffic • Control/Data Traffic • Device Access Traffic | — | — | | |
| 2 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="802 795 1029 982"> <ul style="list-style-type: none"> • Management Traffic </td> <td data-bbox="1029 795 1256 982"> <ul style="list-style-type: none"> • Control/Data Traffic • Device Access Traffic </td> <td data-bbox="1256 795 1489 982">—</td> </tr> </table> | <ul style="list-style-type: none"> • Management Traffic | <ul style="list-style-type: none"> • Control/Data Traffic • Device Access Traffic | — | |
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| <ul style="list-style-type: none"> • Management Traffic | <ul style="list-style-type: none"> • Control/Data Traffic | <ul style="list-style-type: none"> • Device Access Traffic | | | |
| <ul style="list-style-type: none"> • Management traffic: for accessing the Interactive Console and troubleshooting the Crosswork Data Gateway VM. • Control/Data traffic: to receive configuration of collection jobs from the Crosswork Cloud and to forward collected data to the Crosswork Cloud. • Device access traffic: for device management and telemetry data. | | | | | |
| IP Addresses | One, two or three IPv4/IPv6 addresses based on the number of interfaces you choose to use. Note Crosswork does not support dual stack configurations. Therefore, ALL addresses for the environment must be either IPv4 or IPv6. | | | | |
| NTP Servers | The IPv4/IPv6 addresses or host names of the NTP servers you plan to use. If you want to enter multiple NTP servers, separate them with spaces. These should be the same NTP servers you use to synchronize devices, clients, and servers across your network. Note Confirm that the NTP server IP address or host name is reachable on the network or installation will fail. The Cisco Crosswork Data Gateway host and virtual machine must be synchronized to an NTP server or the enrollment with Crosswork Cloud may not go through. | | | | |

| Requirement | Description |
|-------------------------|--|
| DNS Servers | The IPv4/IPv6 addresses of the DNS servers you plan to use. If you want to enter multiple DNS servers, separate them with spaces. These should be the same DNS servers you use to resolve host names across your network. |
| DNS Search Domain | The search domain you want to use with the DNS servers (for example, cisco.com). You can only have one search domain. |
| (optional) Proxy Server | URL of an optional management network proxy server. If your environment requires an HTTP or HTTPS proxy in order to access URLs on the public Internet, you must configure a proxy server in order for the Cisco Crosswork Data Gateway to successfully connect to the Crosswork Cloud service. |

Product Documentation

The following table lists the guides provided for Cisco Crosswork Data Gateway for Cloud applications.

Table 4: Crosswork Data Gateway for Cloud applications Documentation

| Document Title | What is included |
|--|---|
| Cisco Crosswork Data Gateway 4.0.1 Release Notes for Cloud Applications | This document. Provides an overview of the product, compatibility information, and important information that should be considered before using the product. |
| Cisco Crosswork Data Gateway 4.0.1 Installation and Configuration Guide for Cloud Applications | <ul style="list-style-type: none"> • System requirements • Installation prerequisites • Installation instructions • Upgrade instructions • Uninstalling Crosswork Data Gateway • Configure Crosswork Data Gateway |
| API Documentation | Advanced users can extend the Cisco Crosswork functionality using the APIs. API documentation is available on Cisco Devnet . |

Related Product Documentation

This section provides links to additional related documentation for Cisco Crosswork Data Gateway.

- [Cisco Crosswork Trust Insights](#)

You can access documentation for all Cisco Crosswork products at <https://www.cisco.com/c/en/us/support/cloud-systems-management/crosswork-network-automation/tsd-products-support-series-home.html>.

Accessibility Features

For a list of accessibility features in Cisco Crosswork Network Controller, visit <https://www.cisco.com/c/en/us/about/accessibility/voluntary-product-accessibility-templates.html> (VPAT) website, or contact accessibility@cisco.com.

All product documents except for some images, graphics, and charts are accessible. If you would like to receive the product documentation in audio format, braille, or large print, contact accessibility@cisco.com.

Support and Downloads

The Cisco Support and Downloads website provides online resources to download documentation, software, and tools. Use these resources to install and configure the software and to troubleshoot and resolve technical issues with Cisco products and technologies.

Access to most tools on the Cisco Support and Downloads website requires a Cisco.com user ID and password.

For more information, see <https://www.cisco.com/c/en/us/support/index.html>.

Obtain Additional Information

Information about Cisco products, services, technologies, and networking solutions is available from various online sources.

- Sign up for Cisco email newsletters and other communications at:

<https://www.cisco.com/offer/subscribe>

- Visit the Cisco Customer Experience website for the latest technical, advanced, and remote services to increase the operational reliability of your network. Go to:

https://www.cisco.com/c/m/en_us/customer-experience

- Obtain general networking, training, and certification titles from Cisco Press publishers at:

<http://www.ciscopress.com>

