Release Notes for Cisco Crosswork Data Gateway for Cloud Applications, Release 7.0.0

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This document provides information about Cisco Crosswork Data Gateway 7.0 for Cloud applications, including features, compatibility information, known issues, and limitations.

Product Overview

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: Supported Virtualization Platforms

Platform	Image Format
VMware	OVA `(*.ova)` **Note** Some versions of Mozilla Firefox may change the .ova installer file extension to .dms during the download. After the file is downloaded, change the file extension to .ova.
OpenStack	QCOW2 `(*.qcow2)`
Amazon EC2	AMI

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

What's New

There are no new features introduced in Crosswork Data Gateway 7.0 for Cloud Applications.

Compatibility Information

Cisco Crosswork Data Gateway 7.0 for Cloud applications is 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 is a cloud-based SaaS solution that provides rich analysis, visualization, and recommended optimizations 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 7.0 Installation and Configuration Guide for Cloud Applications*.

The following tables list the software requirements for the supported virtualization platforms along with the physical and network resource requirements needed to support the Crosswork Data Gateway.

Note The resource requirements to install Crosswork Data Gateway are the same for all platforms.

Table 2: VM Requirements for Cloud applications

Requirement	Description
Virtualization Platform	**VMware** • VMware vCenter server 6.7, ESXi 6.5 • VMware vCenter Server 7.0.3, ESXi 6.5 and 6.7 **OpenStack** • OpenStack OSP16 **Amazon** • Amazon Elastic Cloud Compute (Amazon EC2)
Memory	32 GB
Total Disk space (Boot disk + Data disk)	74 GB (50 GB + 24 GB)
vCPU	8

Table 3: Supported Interface Configurations

<table>
<tr><th>Interface</th><th>Description</th></tr>
<tr><td>Interfaces</td><td>
Minimum: 1
Maximum: 3
Crosswork Data Gateway can be deployed with either 1, 2, or 3, interfaces as per the following combinations:
<table>
<tr><th>No. of NICs</th><th>vNIC0</th><th>vNIC1</th><th>vNIC2</th></tr>
<tr><td>1</td><td>• Management traffic
• Control/Northbound External Data traffic
• Southbound Data traffic</td><td>—</td><td>—</td></tr>
<tr><td>2</td><td>• Management traffic</td><td>• Control/Northbound External Data traffic
• Southbound Data traffic</td><td>—</td></tr>
<tr><td>3</td><td>• Management traffic</td><td>• Control/Northbound External Data traffic</td><td>• Southbound Data traffic</td></tr>
</table>
• Management traffic: for accessing the Interactive Console and troubleshooting the Crosswork Data Gateway VM.
• Control/Northbound External Data traffic: to receive configuration of collection jobs from the Crosswork Cloud and to forward collected data to the Crosswork Cloud.
Important
Crosswork Data Gateway can connect to the Cloud only when the Control/Data interface has access to the Internet. For more information on the ports used and how to secure the interface, see Cisco Crosswork Data Gateway 7.0 Installation and Configuration Guide for Cloud Applications.
• Southbound Data traffic: for device management and telemetry data.
</td></tr>
</table>

Table 4: Configuration Options

Option	Description
IP Addresses	One, two, or three IPv4 or 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 or 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 IP address or host name is reachable on the network or installation fails. The Crosswork Data Gateway host and virtual machine must be synchronized to an NTP server or the enrollment with Crosswork Cloud may not go through.
DNS Servers	The IPv4 or 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 for the Cisco Crosswork Data Gateway to successfully connect to the Crosswork Cloud service.
(Optional) Syslog Server	Hostname, IPv4, or IPv6 address of an optional syslog server.
(Optional) Auditd Server	Hostname, IPv4, or IPv6 address of an optional Auditd server.

Product Documentation

The following table lists the documentation available for Cisco Crosswork Data Gateway for Cloud applications.

Table 5: Crosswork Data Gateway for Cloud applications Documentation

Document Title	What is included
Cisco Crosswork Data Gateway 7.0 Release Notes for Cloud Applications	Provides an overview of the product, compatibility information, and important information that should be considered before using the product.

Document Title	What is included
Cisco Crosswork Data Gateway 7.0 Installation and Configuration Guide for Cloud Applications	• 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
- Cisco Crosswork Cloud

Security

Cisco takes great strides to ensure that all our products conform to the latest industry recommendations. We firmly believe that security is an end-to-end commitment and are here to help secure your entire environment. Please work with your Cisco account team to review the security profile of your network.

For details on how we validate our products, see Cisco Secure Products and Solutions and Cisco Security Advisories.

If you have questions or concerns regarding the security of any Cisco products, please open a case with the Cisco Customer Experience team and include details about the tool being used and any vulnerabilities it reports.

Accessibility Features

For a list of accessibility features in Cisco Crosswork, 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 are 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

- Access the Crosswork Cloud documentation to understand the concepts and workings:

  https://www.cisco.com/c/en/us/td/docs/cloud-systems-management/crosswork-cloud/Docs-Landing-Page/CrossworkCloud_Info_Center.html

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