



Offer Description – Product

Cisco Crosswork Network Controller

This Offer Description is part of the [General Terms](#) or similar terms existing between You and Cisco (e.g., the End User License Agreement) (the “**Agreement**”). Capitalized terms, unless defined in this document, have the meaning in the Agreement. Any references to the Supplemental End User License Agreement or SEULA mean Offer Description.

1. Summary

Cisco Crosswork Network Controller (the “**Product**”) is an on-premises solution comprised of multiple individual software components to simplify and automate intent- based network service provisioning, monitoring, assurance and optimization in a multivendor environment with a common user interface and API.

2. Support and Other Services

Your purchase of the Product includes [Cisco Solution Support for Service Providers](#) for Software or other support as described in Your Order. Sample function packs that may be shipped with the Product are not supported except as set forth in the Documentation.

3. Data Protection

Please see [The Trust Center](#) for information on how Cisco uses and protects Personal Data, Systems Information and Customer Content collected and processed by Cisco through use of Cisco products and services.

4. Special Terms

4.1 The Product includes the individual software components listed in Exhibit A, which contain additional programs, features, and functionality outside Your license scope. You are only entitled to use such components as part of the Product (tiers and add-ons), limited in scope to the use cases set forth below (the “**Use Cases**”) and in the Documentation, on an identified network. If you wish to use out of scope items, You will need to purchase separate licenses.

Use Case	Description
Service-Oriented Transport Provisioning	Provision traffic-engineering policies for services with Service Level Agreements (SLAs) (SR-MPLS, SRv6, RSVP-TE)
Service Provisioning	Provision Layer 2 VPN and Layer 3 VPN services (includes sample Function Packs)
Path Control	Compute optimal path conforming to the defined objectives and constraints based on IGP metric, TE metrics, path diversity, or affinity rules
Realtime Network Optimization	Collect real time performance information and optimize the network as needed to maintain the SLA

Topology	Visualize logical layers related to network and services.
Local Congestion Mitigation (LCM)	Implement tactical TE policies to effectively handle link congestion in a localized manner. Available in release 3.0 and above.
Segment Routing Flexible Algorithm	Enhance traffic engineering utilizing flexible algorithms that allows customization of IGP shortest path computation according to specific service needs. Available in release 3.0 and above.
SR Tree-SID topology discovery and visualization	Controller- Implement based architecture for SR-based multicast deployment. Available in release 4.1 and above.
SR Circuit Style	Bandwidth reservation with bidirectional co-routed paths with path backup and protection channels. Available in release 5.0 and above.
Device Management	Get deeper visibility into Managed Devices with deeper inventory details and alarms. Available in release 5.0 and above.
Service Health Monitoring and troubleshooting*	Monitor and troubleshoot health of Layer 2 VPN and Level 3 VPN services by combining empirical data plane verification with infrastructure health to realize true service impact. Available in release 4.1 and above.

* Available only based upon license tier purchased (Advantage).

For purposes of the Product, no additional licenses, beyond the license entitlements in Exhibit A, need to be purchased, provided Your use of the software is in accordance with the Agreement and the Use Cases described above.

4.2 **NEDs.** Certain NED versions have been qualified by Cisco for use with the Product as set forth in the Documentation for the applicable Product release. Use of other NEDs may not be supported.

4.3 **Lab License.** You may purchase a license to a lab version of the Product. The lab version of the Product is strictly limited to non- production use only.

4.4 Optional Add-on Features

Add-on Feature	Description
Programmable Closed Loop Automation (Health Insights and Change Automation)	Programmatically link observations to actions in order to implement remediation, or maintenance workflows
Secure ZTP	Provision and onboard network Devices at a mass scale: <ul style="list-style-type: none"> Secure ZTP support for RFC 8572 compliance Devices (Cisco or third party) Classic ZTP support for service provider Cisco IOS XE Devices

4.5 Definitions

“**Device**” means, as applicable, a single, physical, or virtual router, switch, or network function in Your network.

“**Manage**” means to use the Product to manage, monitor, or otherwise exchange information with a Device.

“**Network Element**” means, as applicable, a virtual router, switch, server, or network function in Your network.

“**NED**” means a Network Element Driver, which enables the management of Network Elements running the same embedded software type. For example, there is a NED for certain Cisco IOS Devices, another NED for certain IOS XR Devices, and NEDs for certain non-Cisco Devices.

“**RTM**” means the right to Manage.

“**Server**” means a computing Device that uses the Product to Manage and exchange data with other Devices.



Exhibit A: Individual Crosswork Network Controller Software Components

Product Components
Cisco Crosswork Network Controller Common User Interface
Cisco Crosswork Optimization Engine (COE) Software
Cisco COE RTM License
Crosswork Active Topology Essential Right-to-Use License
Cisco Crosswork Network Services Orchestrator (NSO) Active Server License
Cisco Crosswork NSO High Availability Server License
Cisco Crosswork NSO IOS-XR NED License
Cisco Crosswork NSO RTM License
Cisco Crosswork Data Gateway
Cisco Segment Routing Computation Engine ("SR- PCE")
Cisco IOS XRv9000 Router (XRv9000)