



Supplemental End User License Agreement

IMPORTANT: PLEASE READ CAREFULLY

Dear Customer,

This Supplemental End User License Agreement (“SEULA”) contains additional terms and conditions for the Software product(s) set forth herein and licensed under the End User License Agreement (“EULA”) between you and Cisco Systems, Inc. or its Affiliates (collectively, the “Agreement”). Please note that there may be terms in this SEULA that do not apply to You. Only those terms related to the specific Software product(s) You purchased apply to You. Except as otherwise set forth in this SEULA, capitalized terms will have the meanings as defined in the EULA. To the extent that there is a conflict between the EULA and this SEULA, this SEULA will take precedence.

By downloading, installing, or using the Software You agree to comply with the terms of this SEULA.

SUPPLEMENTAL LICENSE TERMS FOR: Cisco Crosswork Network Controller (“CNC”) Solution (each software title is individually a “Software” product)

Table 1. SOFTWARE ENTITLEMENT:

<u>Product</u>	<u>License Metric</u>	<u>License Duration</u>
Cisco Crosswork Network Controller Common User Interface	Server	Subscription
Cisco Crosswork Optimization Engine	Server, Node	Subscription
Cisco Network Services Orchestrator (NSO) Active Server license	Server	Subscription
Cisco Network Services Orchestrator (NSO) High Availability Server license	Server	Subscription
Cisco Network Services Orchestrator (NSO) IOS-XR NED license	NED	Subscription
Cisco Network Services Orchestrator (NSO) RTM license	Network Element	Subscription
Cisco Crosswork Data Gateway	Server, Node	Subscription
Cisco Segment Routing Computation Engine (SR-PCE)	Server, Node	Subscription
Crosswork Active Topology (CAT)	Server	Subscription
Cisco IOS® XRv 9000 Router (XRv9000)	Server, Node	Subscription

DEFINITIONS:

“**Manage**” means to Use the Software to manage, monitor, or otherwise exchange information with a Node.

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

“**NED**” means a “Network Element Driver”. A Network Element Driver enables the management of Network Elements running the same embedded software type; e.g., there is a NED for certain Cisco IOS devices, another NED for certain IOS XR devices, and NEDs for certain non-Cisco devices. NED licenses only authorize the use of NEDs in conjunction with the NSO Software to configure, manage, or interface with the devices identified by the NED.

“**Node**” means a physical or virtual router, switch, or server in Your network.

“**RTM**” means the right to Manage a Node.

“**Server**” means physical or virtual server where the right to use license is installed

“**Use Case**” means the use cases detailing the permitted use of the Software as provided in Table 1.

ADDITIONAL RIGHTS AND RESTRICTIONS:

- **CNC Solution Licensing Model Use Cases.** The Software titles in this Solution shall only be used in accordance with the defined Use Cases listed in Table 1 on an identified network. For purposes of this CNC Solution, no additional licenses, beyond the license entitlements in Table 1, need to be purchased, provided Your Use of the Software is in accordance with the Agreement.
- **Additional Supplemental End User License Agreement Terms.** Except as otherwise set forth in this SEULA, capitalized terms will have the meanings as defined in the EULA or one of the other SEULAs listed below, as applicable.
 - Crosswork Optimization Engine. Your Use of the CNC Solution NSO Software is also subject to the Supplemental End User License Agreement for the Cisco Crosswork Optimization Engine located at: <https://www.cisco.com/c/en/us/about/legal/cloud-and-software/software-terms.html>
 - Network Services Orchestrator. Your Use of the NSO Software is also subject to the Supplemental End User License Agreement for the Cisco Network Services Orchestrator located at: <https://www.cisco.com/c/en/us/about/legal/cloud-and-software/software-terms.html>. Cisco Crosswork Network Controller provides basic support for provisioning of Layer 2 and Layer 3 services. This support is enabled through the NSO sample function packs that are shipped with the product. The sample function packs provide baseline provisioning capabilities out-of-the-box, with the ability to extend and customize the functionality through the YANG extensions. The sample function packs are provided as-is and do not include any support.
- **Out of Scope Licenses.** The software image that contains a Software product that You have purchased may contain additional programs, features and functionality outside Your license scope. Out of scope items would require Your purchase of separate licenses. The programs, features, and functionality that are within Your license scope for Your Software purchase are identified in the applicable Documentation.

Allowed Use Cases

Use Case	Description
Service-Oriented Transport Provisioning	Provision segment routing traffic-engineering policies for services with Service Level Agreements ("SLA"s)
Service Provisioning	Provision Layer 2 VPN and Layer 3 VPN services
Bandwidth Optimization	Optimize the network bandwidth
Real time network optimization	Collect real-time performance information and optimize the network
Topology and Inventory	Collect information about network and services