



Attachment A: Product Terms

Cisco Network Service Orchestration Software (NSO Software)

Additional Product Terms

Service Provider's use of NSO Software covered by the MSLA is subject to these Product Terms. These terms take precedence over any conflicting terms in the MSLA. Capitalized terms used but not defined in this document will have the definition as in the MSLA or in the Master Agreement.

Product Description

NSO for MSLA includes the following licenses:

| NSO Licenses |
|-----------------------------|
| NSO Device Orchestration |
| NSO NFVO VNFM Orchestration |

License Limitations

1. An NSO License is required for each network element managed by the NSO Software.
 - 1.1. Each physical device requires one NSO Device Orchestration license per device.
 - 1.2. Each virtual network function (VNF) which needs full orchestration and management by NSO (Day 0, 1 & 2) requires one NSO Virtual Device Orchestration license per VNF.
 - 1.3. Each virtual network function (VNF) which only needs Day 0 management by NSO only requires one NSO NFVO VNFM Orchestration license per VNF.
2. In order to use the NSO Licenses purchased under MSLA, Service Provider must purchase the following additional licenses from the Cisco Global Price List. Such licenses are not provided under the MSLA.
 - 2.1. An "Active Server" license is required for each copy of the NSO Software loaded into memory;
 - 2.2. A NED license is required for each NED running on each Active Server. A "NED" or "Network Element Driver" enables the management of physical or virtual devices or other systems (together, "**Network Elements**") running the same embedded software type. For example, there are NED's for certain Cisco IOS devices, IOS XR devices, and 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.

License Fees

NSO License Fees are based on the quantity of physical devices and virtual network functions orchestrated with the NSO Software.

Net Pricing

For clarity, the fees for NSO Software are the net fees agreed upon by the Parties and are not subject to any discounts, rebates or other similar incentives.

Definitions

1. **Day 0** - Covers VNF on-boarding and instantiation only, with configuration handed to the VNF at boot time. Normally this configuration includes bringing up of a management interface, so it can be managed by an EMS or a network service orchestrator.
2. **Day 0, 1 & 2** - Covers VNF On-boarding and instantiation, as described above, plus any Day 1 base configuration handed to the VNF after boot. This is used to extend or update basic connectivity of the VNF beyond what was given in Day 0. Day 2 configuration includes specific configuration handed to the VNF for service creation, update or deletion operations.