



**Hewlett Packard**  
Enterprise

# Additional License Authorizations

## For HPE CMS OSS orchestration products

### Products and suites covered

PRODUCTS	E-LTU OR E-MEDIA AVAILABLE *	NON- PRODUCTION USE CATEGORY **
HPE Service Director	Yes	
HPE Service Director vCPE provisioning	Yes	
HPE Service Director vCPE closed loop	Yes	
HPE NFV Director	Yes	
HPE NFV Director Adapter Function	Yes	

\* Any product sold as E-LTU or E-Media shall be delivered electronically regardless of any contrary designation in a purchase order.

\*\* Non-production use rights, if any, can be found at [www.hpe.com/go/SWlicensing](http://www.hpe.com/go/SWlicensing).

### Definitions

Capitalized terms not otherwise defined in this ALA document are defined in the governing agreement.

TERM	DEFINITION
<i>Cluster Node</i>	<i>means a Server installed in a cluster</i>
<i>Fulfillment Cluster/Dev/Test</i>	<i>The Cluster/Dev/Test LTU is a cluster Server or test Server license for high-end platforms. The Cluster/Dev/Test LTU may only be used in one production system cluster or one test environment when a HPE Service Activator LTU has been purchased.</i>
<i>Cold Standby System</i>	<i>means a non-production standby system which is NOT up and running. If the production system breaks down, or needs to be taken out of service, You are required to switch on and start the Cold Standby System in order to take over for the Production System.</i>



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Core	<i>means the sub-component of the CPU that actually performs the reading and executing of the instruction. Single-core processors can only process one instruction at a time. Multiple-core processor a processing system composed of two or more independent cores.</i>
Device or Dev	<i>means an addressable entity, physical or virtual, including but not limited to router, switch, bridge, hub, server, PC, laptops, handheld device or printer that resides within the range defined for interrogation and asset tracking.</i>
E-LTU and E-Media	<i>means products which are electronically delivered only, and as such any reference to FOB Destination or delivery methods that are stated on your purchase order other than electronic shall be null and void with respect to these E-LTU or E-Media products.</i>
Instance	<i>means each implementation of the application installed on a Server.</i>
Low end platform	<i>means platform for licensees with limited functionality such as no cluster support and only 32 bits Java runtime environment.</i>
Internal Use	<i>means access and Use of the software for purposes of supporting your internal operations or functions.</i>
LTU	<i>means License To Use</i>
Mobile Subscriber	<i>means an individual receiving a service for a given mobile device.</i>
NFV	<i>means Network Function Virtualization</i>
Operating System Instance or OS Inst or OSI	<i>means each implementation of the bootable program that can be installed onto a physical system or a partition, such as system Virtual Machines, virtual environments, virtual private servers, containers, guests and zones within the physical system. A physical system can contain multiple Operating System Instances. A container means a system partition based on software rather than hardware. Guests means a VM system running on a host system where the host runs its own complete OS Instance (as opposed to a hypervisor), like VMware Workstation. Zone means Oracle®/Sun Solaris specific nomenclature for a software partition which can run a virtual OS instance including but not limited to Sparse, native, and ipkg</i>
PAYG or "Pay as you grow"	<i>means a perpetual license scheme based on evolution of a specific usage criterion with pre-defined thresholds. As threshold is reached, the customer is required to purchase additional license as part of jointly agreed monitoring process involving HPE and customer. Detailed PAYG conditions need to be agreed in the commercial agreement.</i>
Production System	<i>means a system which has a HPE software product installed and is running some or all of the product's processes to be used for collecting data, executing product logic, or sending/receiving messages.</i>
RTU or Right To Use	<i>Right to Use is used when there is no license key required to enable the product use.</i>
Server	<i>means any designated computer system in which an Instance or Instances of the software is installed.</i>
Solution	<i>means a collection of software to address a specific business issue.</i>
Solution Pack	<i>means a collection of software within a business solution, to implement a sub function.</i>

Transaction	<i>means a Service Request (Create, Update, Delete, and Query) received by HPE Service Director from the Order Management system or any northbound system requesting services. A Service Request which consists of a bulk request for transactions is counted as the sum of all sub-requests in the request.</i>
Unlimited or Unltd	<i>means without restrictions in terms of number of systems, devices, or media depending on the context.</i>
Use	<i>means to install, store, load, execute and display one copy of the software.</i>
User	<i>Means a specific individual or entity authorized by you to access the software regardless of whether he/she is actively using the software</i>
vCPE	<i>means virtual customer premises equipment</i>
Virtual Machine(s) or VM(s)	<i>means a computer that does not physically exist but is simulated by another computer.</i>

## Software specific license terms

Software products with software specific license terms are described below.

### **HPE Service Director**

The HPE Service Director software is licensed using the PAYG model, unless explicitly licensed using a different model in a separate commercial agreement.

HPE Service Director is sold as LTU. The license key will be tied to tokens.

HPE Service Director is licensed using the PAYG model and is measured by the number of tokens. A minimum configuration of 20 tokens is defined.

In the event of growth of the solution, additional capacity needs to be purchased. No minimum configuration is required for upsell. The license is based on maximum number reached (and will not go down if the capacity decreases).

Purchase of extra capacity needs to happen as soon as limit of current system is reached (and not as a result of verification by HP)

Generic tokens have been introduced to keep the product structure simple for a given solution. The mapping between token and a specific capacity is defined in a separate mapping table (See Table 1)

The purchase of HPE Service director token licenses entitles licensee to Use the HPE Unified OSS Console software by any number of Users only in connection with to the HPE Service Director solution it was sold with (refer to Table 1). This right to use does not include the HPE Unified OSS Console View Designer software which must be ordered separately. The Use of HPE Unified OSS Console software for different capabilities, products and/or solutions is not permitted under the HPE Service Director token licenses.

HPE Service Director license can be used for production or non-production system (development, test, pre-production) irrespective of the number and type of Servers deployed, including high-availability.

HPE may decide in its sole discretion to include certain HPE CMS software components in orchestration solution

HPE Service Director license may be used for a single legal entity only and a specified purpose.

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**Table 1: HPE Service Director Token License Capacity Mapping Table**

APPLICATION DOMAIN	SOFTWARE CAPABILITY	MAPPING	COMMENT
vCPE (Business)	Provisioning (SD.P)	1 token = 250 service instances	A service instance is a service that is delivered to an enterprise customer either on a site (aka distributed service) or in a POP (aka centralized service).
	Closed Loop (SD.CL)	1 token = 500 service instances	Idem
	Quality Management (SD.QM)	1 token = 250 service instances	Idem
vCPE (Retail)	Provisioning (SD.P)	1 token = 1,000 service instances	A service instance is a service that is delivered to a retail customer either on a site (aka distributed service) or in a POP (aka centralized service).
	Closed Loop (SD.CL)	1 token = 2,000 service instances	Idem
	Quality Management (SD.QM)	1 token = 1,000 service instances	Idem

## HPE NFV Director

HPE Service Provisioner components need to be configured for each given network technology.

The HPE NFV Director software is licensed using the PAYG model, unless explicitly licensed using a different model in a separate commercial agreement.

HPE NFV Director is sold as LTU. The license key will be tied to Customer Name.

HPE NFV Director is licensed using a combination of a mandatory Base platform license and a PAYG model measured by the number of tokens. No minimum configuration is defined. In the event of growth of the solution, additional capacity needs to be purchased.

The HPE NFV Base platform license can be used for production or non-production system (development, test, pre-production) irrespective of the number and type of Servers deployed.

The HPE NFV Director Base platform license includes the following common base adapter functions that do not need to be purchased separately: Helion, Openstack and Cloud OS adapters (for configuration and monitoring), generic SNMP adapter (for monitoring), generic CLI, http, LDAP adapters (for configuration)

The purchase of HPE NFV Director Base platform license(s) entitles licensee to Use the HPE Unified OSS Console software on its HPE NFV Director platform by any number of Users only in connection with the capabilities exposed by the HPE NFV Director platform. The Use of HPE Unified OSS Console software for different capabilities, products and/or solutions is not permitted under the HPE NFV Direct Base platform license(s).

The PAYG license is based on maximum number reached (and will not go down if the capacity decreases).

Purchase of extra capacity needs to happen as soon as limit of current system is reached (and not as a result of verification by HP)

The PAYG license applies only to production environment.

Generic tokens have been introduced to keep the product structure simple. The mapping between token and capacity is defined in a separate mapping table (See Table 4)

HPE may decide in its sole discretion to include certain HPE CMS software components in the NFV Director solution

HPE NFV Director License may be used for a single legal entity only and a specified purpose.

**Table 2: Capacity Mapping Table**

COMPONENT	TOKEN USAGE	COMMENT
VM	0.2 token (1 token for 5 VMs)	A VM component is a VM on which a Virtual Network Function instance has been deployed by NFV Director and registered in its instance production database
vCPE VM	0.05 token (1 token for 20 VMs)	A vCPE VM component is a VM on which a Virtual Network Function instance part of a vCPE has been deployed by NFV Director and registered in its instance production database
Physical server or physical device	0.01 token (1 token for 100 servers/devices)	A Physical server or physical device instance stored in NFV Director instance production database

## HPE NFV Director Adapter Function

HPE Service Provisioner components need to be configured for each given network technology.

A target is a VNF manager, Virtual Infrastructure manager (VIM), network element, element manager or application which is needed to be configured, monitored or automated for orchestration with NFV Director.

A HPE NFV Director adaptor is the component which knows how to interact with a specific target. Only one HPE NFV Director adaptor is built for each target type. An adaptor may evolve with additional functions over time.

A HPE NFV Director Adapter Function is associated with only one orchestration capability associated with the target. The capabilities currently supported are configuration, monitoring and automation.

The HPE NFV Director Adapter Function is sold as RTU and requires an HPE NFV Director Base platform installation, which must be ordered separately

The HPE NFV Director Base platform license includes the following common base adapter functions that do not need to be purchased separately: Helion, Openstack and Cloud OS adapters (for configuration and monitoring), generic SNMP adapter (for monitoring), generic CLI, http, LDAP adapters (for configuration)

The HPE NFV Director Adapter Function license is valid for the use of one orchestration capability per target.

The HPE NFV Director Adapter Function license can be used for production or non-production systems (development, test, pre-production) irrespective of the number and type of Servers deployed.

The HPE NFV Director Adapter Function license may be used for a single legal entity only

## Additional license terms

### TERM

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| A. | Software contains software and associated specifications licensed from third parties that are confidential to, and trade secrets of, such parties. You will not take any action other than to Use it as authorized under the agreement as part of the software products and will not disclose it to third parties. |
| B. | You shall install and use the software as authorized in the applicable agreement only as a complete product and may not use portions of such software on a standalone basis separate from the complete software unless expressly authorized in the Supporting Material, specifications or an applicable agreement. |
| C. | Unless stated otherwise, you are authorized to Use one Device at a time for your Internal Use.   |

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5200-0672, July 2016