



**Hewlett Packard**  
Enterprise

# Additional License Authorizations

## For HPE CMS OSS Fulfillment products

### Products and suites covered

PRODUCTS	E-LTU OR E-MEDIA AVAILABLE *	NON-PRODUCTION USE CATEGORY **
HPE Trueview Inventory	Yes	
HPE Trueview Discovery Reconciliation	Yes	
HPE Trueview Discovery Adapter	Yes	
HPE Trueview Configuration mgt	Yes	
HPE Trueview Config Adapter	Yes	
HPE Trueview Discov & Config Adapter	Yes	
HPE Service Activator	Yes	
HPE Service Activator Activation Function	Yes	
HPE Service Activator Extension Function	Yes	
HPE Service Activator Utility	Yes	
HPE Service Provisioner	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>



5 2 0 0 - 0 7 3 9

<i>E-LTU and E-Media</i>	<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>
<i>Instance</i>	<i>means each implementation of the application installed on a Server.</i>
<i>Low end platform</i>	<i>means platform for licensees with limited functionality such as no cluster support and only 32 bits Java runtime environment.</i>
<i>Internal Use</i>	<i>means access and Use of the software for purposes of supporting your internal operations or functions.</i>
<i>LTU</i>	<i>means License To Use</i>
<i>Mobile Subscriber</i>	<i>means an individual receiving a service for a given mobile device.</i>
<i>NFV</i>	<i>means Network Function Virtualization</i>
<i>Operating System Instance or OS Inst or OSI</i>	<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>
<i>PAYG or "Pay as you grow"</i>	<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>
<i>Capacity Based License model</i>	<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. Once a capacity level has been reached, it is not possible for the customer to go back below this capacity. Detailed conditions need to be agreed in the commercial agreement.</i>
<i>Production System</i>	<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>
<i>RTU or Right To Use</i>	<i>Right to Use is used when there is no license key required to enable the product use.</i>
<i>Server</i>	<i>means any designated computer system in which an Instance or Instances of the software is installed.</i>
<i>Solution</i>	<i>means a collection of software to address a specific business issue.</i>
<i>Solution Pack</i>	<i>means a collection of software within a business solution, to implement a sub function.</i>
<i>Unlimited or Unltd</i>	<i>means without restrictions in terms of number of systems, devices, or media depending on the context.</i>
<i>Use</i>	<i>means to install, store, load, execute and display one copy of the software.</i>

## Software specific license terms

Software products with software specific license terms are described below.

### **HPE Trueview Inventory / HPE Trueview Discovery Reconciliation**

HPE Trueview provides following functions from the eTOM map: Inventory (HPE Trueview Inventory) Discovery and Reconciliation (HPE Trueview Discovery Reconciliation) and device configuration management (HPE Trueview Configuration Management).

HPE Trueview Inventory can be used separately or combined with HPE Trueview Discovery Reconciliation to implement resource inventory solution HPE Trueview Discovery Reconciliation can be used to populate HPE Trueview Inventory or any other external Inventory System that is capable to fully receive/read/process the data from HPE Trueview Reconciliation.

HPE Trueview Configuration Management can be used separately or combined with a resource inventory solution.

HPE Trueview Inventory supports the life-cycle management of both network resources and network service instances. Leveraging both physical and logical information, HPE Trueview Inventory builds the connectivity model and then creates the end-to-end view of each service across all Layers for multiple network technologies and equipment vendors. HPE Trueview Inventory is built with an understanding of each of the technologies and services it supports, leveraging industry standards such as MEF's Carrier Ethernet and TMF SID Model, for example. HPE Trueview Inventory (and Discovery) are designed to support services such as SONET/SDH, DWDM, ROADM, VCAT, Ethernet, VLANs, MPLS, VPLS, L3VPN, etc.

HPE Trueview Inventory is sold as LTU per Server and requires one separate license per Production System Server. The license key will be tied to Customer Name.

An HPE Trueview Inventory production license allows to deploy non-production system (development, test, pre-production) irrespective of the number and type of Servers deployed, including high-availability.

An HPE Trueview Inventory license is not restricted in its use by the number of users. However, if the number of active concurrent users results in the need for new hardware resources, an additional production instance of HPE TV Inventory may be required.

HPE Trueview Discovery Reconciliation capabilities augment the HPE Trueview Inventory with automated "active" inventory synchronization with the network. HPE Trueview Discovery Reconciliation capabilities focus on management of discrepancies by reconciling network information at the service level. HPE Trueview Reconciliation includes capabilities to use discovered network topology and configuration information and "stitch" together a service path across vendors, technologies and all Layer 1/2/3 service layers. If discrepancies exist against the service configuration defined in HPE Trueview Inventory, then a new version of the service is created to reflect the correct configuration. HPE Trueview Discovery Reconciliation module can be configured to manually or automatically update this configuration within HPE Trueview Inventory.

HPE Trueview Discovery Reconciliation is sold as LTU per Server and requires one separate license per Production System Server. The license key will be tied to Customer Name.

An HPE Trueview Discovery Reconciliation production license allows to deply non-production system (development, test, pre-production) irrespective of the number and type of Servers deployed, including high-availability.

An HPE Trueview Discovery Reconciliation license is not restricted in its use by the number of equipment to discover. However, if the number of active equipment results in the need for new hardware resources, an additional production instance of HPE Trueview Discovery Reconciliation may be required. HPE Trueview Discovery Reconciliation includes core Discovery and Reconciliation framework for service stitching, scheduling and configuration capabilities and "SNMP Sweep" (i.e. capabilities to automatically identify NEs within the customer's network, via SNMP protocol). SNMP Sweep capabilities do not include upload of NE configuration. If upload of NE configuration is required, then an NE Upload Adapter must be licensed.

HPE Trueview Discovery Adapters are device specific implementing interfaces between HPE Trueview Discovery and Reconciliation and the network device(s), HPE Trueview Discovery Adapters connect to network devices, using a wide range of communication protocols (as per HPE TV Product Specifications/Roadmap). HPE Trueview Discovery Adapters contain and apply a series of vendor specific discovery rules for the purposes of automated network discovery. These adapters then translate and auto-load discovered network data into HPE TV Inventory common and vendor-agnostic data model. Once loaded, HPE Trueview Discovery Reconciliation can use this network data to perform customer and network service reconciliation.

HPE Trueview Discovery Adapter is sold as RTU and requires one separate license for each different combination of NE Type and NE Interface version. Support of a new NE Type or update to an existing HPE Trueview Discovery Adapter to support more recent interface version requires a new HPE Trueview Discovery Adapter.

An HPE Trueview Discovery Adapter can be re-deployed multiple times within a specific solution/deployment without the need of an additional license.

HPE Trueview Configuration Management provides centralized, multi-vendor device configuration management of IP Devices.

HPE Trueview Configuration Management is sold as LTU per Server and requires one separate license per Production System Server. The license key will be tied to Customer Name.

An HPE Trueview Configuration Management production license allows to deploy non-production system (development, test, pre-production) irrespective of the number and type of Servers deployed, including high-availability.

An HPE Trueview Configuration Management license is not restricted in its use by the number of equipment to configure. However, if the number of active equipment results in the need for new hardware resources, an additional production instance of HPE Trueview Configuration Management may be required.

HPE Trueview Configuration adapters implement dialogue with specific Network element HPE Trueview Configuration Adapter need to be purchased to complement HPE Trueview Configuration Management.

HPE Trueview Configuration Adapter is sold as RTU and requires one separate license for each different combination of NE Type and NE Interface version. Support of a new NE Type or update to an existing HPE Trueview Configuration Adapter to support more recent interface version requires a new HPE Trueview Configuration Adapter.

An HPE Trueview Configuration Adapter can be re-deployed multiple times within a specific solution/deployment without the need of an additional license.

HPE Trueview Discov & Config adapter license combines for a specific network element both HPE Trueview Discovery adapters license and HPE Trueview Config adapter license. It can be sold to replace the equivalent HPE Trueview Discovery adapter and HPE Trueview Configuration adapter purchased concurrently.

## **HPE Service Activator**

The HPE Service Activator software is licensed using the Capacity Based license model, unless explicitly licensed using a different model in a separate commercial agreement.

HPE Service Activator is sold as LTU. The license key will be tied to Customer Name.

HPE Service Activator is licensed using the Capacity Based license model and is measured by the number of tokens. A minimum configuration of 15 tokens is defined. In the event of growth of the solution, additional capacity needs to be purchased.

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 HPE).

To ensure license auditing, the Customer shall provide a regular audit report to HPE listing the usage of Service Activator for all its production platforms.

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). Specific capacity is either a number of transactions or a number of users.

The purchase of HPE Service Activator 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 Activator 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 Activator token licenses.

A transaction is defined as a Service Request (Create, Update, Delete, and Query) received by HPE Service Activator 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.

A user is defined as a specific individual or entity authorized by you to access the software regardless of whether he/she is actively using the software.

A Number Portability transaction is defined as a port in, port out and port over operation.

HPE Service Activator 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 activation solution

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

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

APPLICATION DOMAIN	SOFTWARE COMPONENTS	MAPPING	COMMENT
Business Solution for VPN (Corporate Products)	HPE SA Core / HPE SAVPN	Transaction per Unit of time: <b>1 TPD (*) = 8 tokens</b>	Applicable for L2 and L3 corporate VPNs (**)
Business Solution for VPN (Retail products)	HPE SA Core/ HPE SAVPN	Transaction per Unit of time: <b>5 TPD (*) = 1 token</b>	Applicable for L2 and L3 retail VPNs
Business Solution for Mobile (MSA)	HPE SA Core / SOSA / MSA	Transaction per Unit of time: <b>1 TPS(*) = 2 token</b>	Applicable for Mobile only (2/3G, LTE, 4G)
		Transaction per Subscriber <b>10,000 subscribers = 1 token</b>	Applicable for Mobile only (2/3G, LTE, 4G)
Customer (CFS) Activation	HPE SA Core	Transaction per Unit of time: <b>1 TPS (*) = 1 token</b>	None
Test and diagnosis – customer care automation	HPE SA T&D console + HPE SA T&D platform	<b>1 T&amp;D process = 5 tokens</b> <b>1 T&amp;D action = 1 token</b> <b>1 T&amp;D interface = 5 tokens</b>	T&D Process = description of a business process for a given scope T&D action = particular test or command executed toward an external system T&D interface = specific integration with an external system or application
Number Portability base platform	HPE SA Core	<b>100 TPD (*) = 1 token</b>	Important: License only entitles the customer to use the Service Activator platform to run a NP solution. It does NOT cover the NP solution itself.

(\*): TPS means Transactions per second, TPD means Transaction per day

## HPE Service Activator Activation Function

A target is a network element, element manager or service platform which is needed to be configured to provide services (HLR, AuC, EIR, etc.).

An HPE SA adaptor is the component which knows how to interact with a specific target (login and logout, activation commands, error codes, etc). Only one HPE SA adaptor is built for each target type. An adaptor may evolve with additional functions over time.

An HPE SA Activation Function is associated with only one capability offered by the target (resource service). Each adaptor will support one or more activation functions (e.g. activation of voice, activation of data, and activation of L2/L3 connectivity) implemented in the HPE SA adaptor.

The HPE SA Activation Function is sold as RTU and requires an HPE Service Activator Core installation, which must be ordered separately.

The HPE SA Activation Function license is valid for the use of one activation function.

The HPE SA Activation 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 SA Activation Function license may be used for a single legal entity only.

## **HPE Service Activator Utility Solution**

HPE Service Activator Utility solution is licensed using the Capacity Based license model and is measured by the number of subscriber meters (MU – Meter Units) used within the utility company network. A minimum configuration of 30,000 (30K) Meter Units is defined. In the event of growth of the solution, additional capacity needs to be purchased.

The HPE Service Activator Utility solution is comprised of a Utility base LTU and several RTUs depending on the number of subscriber meters (MU – Meter Units) used within the utility company network.

The Utility base must always be purchased. HPE Service Activator Utility Solution Base is sold as LTU. The license key will be tied to Customer Name and cannot be reused for any other project.

When the capacity of the allowed MU for the utility based is exceeded, additional utility tiers must be purchased. The summed number of allowed MU for all the utility tiers must exceed the actual number of MU in the network.

HPE Service Activator Utility Tier A RTU: Requires a Utility Base LTU. One Utility Tier A RTU is required for every 10,000 (10K) MUs, where the number of MUs exceeds 30,000 (30K) MUs. The maximum number of MUs supported in this tier is 500,000 (500K) MUs.

HPE Service Activator Utility Tier B RTU: Requires a Utility Base LTU and 47 Utility Tier A RTUs. One Utility Tier B RTU is required for every 100,000 (100K) MUs, where the number of MUs exceeds 500,000 (500K) MUs. The maximum number of MUs supported in this tier is 2,000,000 (2M) MUs.

HPE Service Activator Utility Tier C RTU: Requires a Utility Base LTU, 47 Utility Tier A RTUs, and 15 Utility Tier B RTUs. A Utility Tier C RTU is required for every 100,000 (100K) MUs, where the number of MUs exceeds 2,000,000 (2M). The maximum number of MUs supported in this tier is 5,000,000 (5M) MUs.

HPE Service Activator Utility Tier D RTU: Requires a Utility Base LTU, 47 Utility Tier A RTUs, 15 Utility Tier B RTUs, and 30 Utility Tier C RTUs. A Utility Tier D RTU is required for every 100,000 (100K) MUs, where the number of MUs exceeds 5,000,000 (5M). The maximum number of MUs supported in this tier is 10,000,000 (10M) MUs.

HPE Service Activator Utility Tier E RTU: The HPE Service Activator Utility Tier E is required on top of the Utility Base LTU, 47 Utility Tier A RTUs, 15 Utility Tier B RTUs, 30 Utility Tier C RTUs, and 50 Utility Tier D. A Utility Tier E RTU is required for every 1,000,000 (1M) MUs, where the number of MUs exceeds 10,000,000 (10M).

## HPE Service Provisioner

HPE Service Provisioner enables Communications Service Providers to automate provisioning of multi-vendor, multi-technology products and services. It provides functionality for service order decomposition, streamlines the execution of the order provisioning flow, and facilitates service order lifecycle management. It includes the following key functions:

- Service catalog – it implements dynamic products and services specification (Product only includes technical definition of Customer Facing Services (CFS) with all their characteristics). It also includes rules to translate product instances into underlying services instances with mapping of characteristics
- Dynamic service order management – It covers design and assign process, service decomposition (both catalog driven and through manual interactions), mapping of product and service characteristics throughout hierarchical structure, and order orchestration.
- Service inventory – It maintains all instances of service request, offering full text search, reporting, versioning and history of data.

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

HPE Service Provisioner is sold as LTU. The license key will be tied to Customer Name.

HPE Service Provisioner is licensed using the PAYG model and is measured by the number of tokens. In the event of growth of the solution, additional capacity needs to be purchased.

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 HPE).

To ensure license auditing, the Customer shall provide a regular audit report to HPE listing the usage of Service Provisioner for all its production platforms

Generic tokens have been introduced to keep the product structure simple for a given solution. The mapping between token and capacity is defined in a separate mapping table (see Table 3). Specific capacity is either a number of transactions or a number of users.

The purchase of HPE Service Provisioner token licenses entitles licensee to Use the HPE Unified OSS Console software by any number of Users only in connection with the HPE Service Provisioner solution it was sold with (refer to Table 3). The Use of HPE Unified OSS Console software for different capabilities, products and/or solutions is not permitted under the HPE Service Provisioner token licenses.

A transaction is defined as a Service Request (Create, Update, Delete, and Query) received by HPE Service Provisioner from the CRM 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.

A user is defined as a specific individual or entity authorized by you to access the software regardless of whether he/she is actively using the software.

HPE Service Provisioner 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 solution.

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

**Table 2: HPE Service Provisioner Token License Capacity Mapping Table**

APPLICATION DOMAIN	MAPPING	COMMENT
Mobile – Entry	Transaction per Subscriber: 100,000 subs=1 token	Total number of subscriber below 5 Million
Mobile – Mid / Large	Transaction per Subscriber: 1,000,000 subs=1 token	Total number of subscriber is above 5 million Prerequisite - license for 5 million subs using entry based mapping is purchased first
CPE Retail - Entry	Transaction per Subscriber: 10,000 subs=1 token	Total number of subscriber below 500,000
CPE Retail – Mid/Large	Transaction per Subscriber: 100,000 subs=1 token	Total number of subscriber is above 500,000 Prerequisite - license for 500,000 subs using entry based mapping is purchased first
VPN Commercial - Entry	Transaction per VPN sites: 400 sites=1 token	Total number of sites below 5,200
VPN Commercial – Mid/Large	Transaction per VPN sites: 4,000 sites=1 token	Total number of sites is above 5,200 Prerequisite - license for 5,200 sites using entry based mapping is purchased first

## Additional license terms

### TERM

---

- 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.
- 

**[www.hpe.com/software/SW Licensing](http://www.hpe.com/software/SW Licensing)**

Latest version of software licensing documents

---

© Copyright 2018 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for HPE products and services are set forth in the express warranty statements accompanying such products and services or in your mutually executed license and/or consulting services agreement(s) with HPE. Nothing herein should be construed as constituting an additional warranty. HPE shall not be liable for technical or editorial errors or omissions contained herein.

Unix is a registered trademark of The Open Group.

Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation.

5200-0739, May 2018; replaces 5200-0675 (January 2017)