Additional License Authorizations

For Cloud Center and Helion Cloud Suite
software products

Micro Focus

Products and suites covered

Products	E-LTU or E-Media available [*]	Perpetual License Non-production use category [**]	Term License Non-production use category (if available)
Cloud Service Automation (previously called HPE Cloud Service Automation)	Yes	Class 1	Class 3
Codar (previously called HPE Codar)	Yes	Class 1 or 3 [****]	Class 3
Enterprise Maps (previously called HPE Enterprise Maps)	Yes	Class 1	Class 3
Hybrid Cloud Management Express Edition Version 2 (previously called HPE Hybrid Cloud Management Express Edition Version 2)	Yes	Class 1	Class 3
Operations Orchestration (previously called HPE Operations Orchestration)	Yes	Class 1	Class 3
Operations Orchestration Content for SAP Process Automation (previously called HPE Operations Orchestration Content for SAP Process Automation)	Yes	Class 1	Class 3

Suites	E-LTU or E-Media available [*]	Perpetual License Non-production use category [**]	Term License Non-production use category (if available)
Cloud and Automation Suite Express Edition (previously called HPE Cloud and Automation Suite Express Edition)	Yes	Class 1	Class 3
Cloud and Automation Suite Premium Edition (previously called HPE Cloud and Automation Suite Premium Edition)	Yes	Class 1	Class 3
Cloud and Automation Suite Ultimate Edition (previously called HPE Cloud and Automation Suite Ultimate Edition)	Yes	Class 1	Class 3
Cloud Orchestration Suite Express Edition (previously called HPE Cloud Orchestration Suite Express Edition)	Yes	Class 1 [***]	Class 3
Cloud Orchestration Suite Premium Edition (previously called HPE Cloud Orchestration Suite Premium Edition)	Yes	Class 1 [***]	Class 3
CloudSystem Enterprise Starter Suite (previously called HPE CloudSystem Enterprise Starter Suite)	Yes	Class 1	Class 3
CloudSystem Enterprise Add-on Platform Applications and Analytics Suite (previously called HPE CloudSystem Enterprise Add-on Platform Applications and Analytics Suite)	Yes	Class 1	Class 3
Helion Cloud Suite Express Edition (previously called HPE Helion Cloud Suite Express Edition)	Yes	Class 3	Class 3
Helion Cloud Suite Premium Edition (previously called HPE Helion Cloud Suite Premium Edition)	Yes	Class 3	Class 3
Helion Cloud Suite Ultimate Edition (previously called HPE Helion Cloud Suite Ultimate Edition)	Yes	Class 3	Class 3
Hybrid Cloud Management Suite Express Edition (previously called HPE Hybrid Cloud Management Suite Express Edition)	Yes	Class 1	Class 3

Suites	E-LTU or E-Media available [*]	Perpetual License Non-production use category [**]	Term License Non-production use category (if available)
Hybrid Cloud Management Suite Premium Edition (previously called HPE Hybrid Cloud Management Suite Premium Edition)	Yes	Class 1	Class 3
Hybrid Cloud Management Suite Ultimate Edition (previously called HPE Hybrid Cloud Management Suite Ultimate Edition)	Yes	Class 1	Class 3
Hybrid Cloud Management Suite Premium Edition Version 2 (previously called HPE Hybrid Cloud Management Suite Premium Edition Version 2)	Yes	Class 1	Class 3
Hybrid Cloud Management Suite Ultimate Edition Version 2 (previously called HPE Hybrid Cloud Management Suite Ultimate Edition Version 2)	Yes	Class 1	Class 3

[*] 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 **software.microfocus.com/legal/software-licensing.**
[***] Determined by individual component product's Non-Production classification.
[****] See software specific license terms.

Definitions

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

Term	Definition
Administrative User	Means a specific individual authorized to execute the workflow.
Agent	Means that portion of the software that manages and is required for each physical server, virtual server or container.
Application Model	Means software solution designed to help users perform specific tasks. Examples of Application Models include portals, financial management systems, retail POS software, human and customer relationship management software etc. The Application Model can consist of one more individual programs including Databases, Application Servers and the infrastructure on which the platform and application run. Every Application Model can have multiple versions which don't add to the Application Model count.
Application Server	Means software that can be deployed standalone or clustered and has the sole purpose of acting as a container that hosts and executes one or more applications. Application Servers are typically J2EE application servers or .NET application servers.
Client	Means any application or systems which provide functionality separate from that of the Software while providing for the facility to connect to and interact with the Software.
Cloud Content	Means IT Executive Scorecard Cloud Content Acceleration Pack (CAP). Cloud CAP provides a set of items (Dashboard pages, Scorecards, Contexts, KPIs, and more) that automatically gathers information from across your cloud deployment to build key performance indicators (KPIs), metrics, pages and show back information related to Cloud provisioning issues.
Concurrent User *or* CC User	Means the software is licensed by the amount of users that simultaneously Use the software at any one point in time. The software can be installed on any number of computers, provided that the actual usage of the software does not exceed the number of licenses purchased.
Connector	Means an integration element to a certain software, Device format or function through use of the Micro Focus software.
Content Pack	Means the pre-packaged programs, utilities and data included with the application.
Core	Means the server side component of software. Is typically complemented by an Agent component.

Term	Definition
Database	Means application data including table structure, stored procedures, and other functionality that runs on a Database Instance.
Database Instance	Means a software application that has the sole purpose of acting as a container that hosts and executes one or more Databases ▪ For Microsoft SQL Server, Database Instance is one SQL Server Service with its own port, logins and set of system and user Databases. ▪ For an Oracle database, Database Instance is one SID (Oracle system ID) in a database environment, including the RDBMS software, table structure, stored procedures and other functionality. For Oracle RAC, each Instance referencing a database environment is a Database Instance. ▪ For DB2 databases, Database Instance is one DB2 Database Instance as identified by a DB2 Instance with its User, TCP/IP service port on a given system. ▪ For Sybase and Informix Server, Database Instance is one Server (SAP Sybase Adaptive Server) with its own login, Dataserver port and set of system and user Databases.
Device *or* Dev	Means an addressable entity, physical or virtual, including but not limited to router, switch, bridge, hub, server, PC, laptop, handheld device or printer that resides within the range defined for interrogation and asset tracking.
E-LTU *and* E-Media	Means products which are electronically delivered only, and as such any references 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.
Foundation *or* Foundation Server	Means the server side component of software that is required in order to get an operational Implementation as specified in the software specific license terms below.
Implementation	Means an installation of the software on a single Server or installed on a cluster of Servers which work together as a single installation of the software.
Instance	Means each Implementation of the application installed on a Server.
LTU	Means License To Use.
Named User *or* Nmd User	Means a specific individual authorized by you to access the software regardless of whether they are actively using the software.
Node	Means a specific Node that is further defined in the Software Specific Terms below.
Operating System Instance *or* OS Inst *or* OSI	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.
Points	Means the numerical tracking system representing the total number of metrics you are authorized to execute.
SAP Instance	Means a standalone SAP basis unit which provides services used by clients connected to the SAP system. Among these services are the message server and the enqueue server, which run only on the single SAP Central Instance.
Server	Means any designated computer system in which an Instance or Instances of the software is installed.
Shift User	Means a user that has the right to use the product on each of three(3) shifts, It is the equivalent of one(1) shift worker regardless of shift and supports three(3) specific individuals working non-overlapping shifts.
Suite	Means two or more software products combined into a single license offering or a single software product which includes two or more licenses. The specific software products included in a Suite are specified in the software specific license terms below. Software products included in a Suite are

Term	Definition
	governed by the individual authorizations and use restrictions associated with each software product, except where specified in the specific Suite software specific license terms below.
Term License to Use *or* Term LTU	Means a software License To Use (LTU) which indicates in its license description that the license is valid for a specific period of time such as One Month (1M), One Year (1Y) etc. Term LTU's are not perpetual licenses.
Term Support	Means a fixed period support offering that is only valid during the time period of the associated Term LTU.
Unit	Means a rationalized unit of licensing that provides entitlement to multiple metrics in a pre-defined ratio. This licensing Unit enables a customer to purchase entitlement as Units and apply it to any of the underlying metrics defined by the Unit. See software specific license terms for the definition of Unit for products and suites that are licensed by Unit.
Unlimited *or* Unl	Means without restrictions in terms of number of systems, Devices or media, depending on the context.
User	Means a user whose Use is restricted to the type of software that is being licensed.
Virtual Machine(s) *or* VM(s)	Means a computer that does not physically exist but is simulated by another computer.
Workflow Author Named User	Means a specific administrator who is authorized to create and edit process automation workflows.

Software specific license terms

For software products with software specific license terms, these terms are described below. Software products covered by this ALA document (as listed above) and not covered in this section do not have software specific license terms.

Cloud Service Automation (previously called HPE Cloud Service Automation)

Cloud Service Automation is licensed by a pack of 10 Operating System Instances. Cloud Service Automation 10 OS Instance pack includes a limited Universal CMDB (UCMDB) Foundation license which provides the right to use the UCMDB Server, the Data Flow Probe infrastructure, the UCMDB Admin UI, and the UCMDB Browser only in conjunction with Cloud Service Automation. The rights to use Universal Discovery, Configuration Manager, and UCMDB adapters for third-party repositories must be licensed separately.

Codar (previously called HPE Codar)

Codar is licensed by a pack of 10 Operating System Instances. When Codar is used with Cloud Service Automation, the number of OS Instance licenses must be the same. The Codar 10 OS Instance Pack version 2 license introduced in April 2017 is classified as Non-Production Use Category Class 1, the Codar 10 OS Instance Pack license is classified as Non-Production Use Category Class 3.

Enterprise Maps (previously called HPE Enterprise Maps)

Enterprise Maps is licensed by Named User, Concurrent User and Connector. This Connector license authorizes bi-directional integration.

Hybrid Cloud Management Express Edition Version 2 (previously called HPE Hybrid Cloud Management Express Edition Version 2)

Hybrid Cloud Management Express Edition Version 2 is licensed by Unit. One Unit equals:

▪ 1 Operating System Instance, or

- 5 Containers, or

- 5 Public Cloud Service Instances, or

- 10 Edge Devices / IoT Nodes

There is no separate entitlement to specific components inside the Edition. Only specific capabilities provided by components in context of the Edition's use-cases are part of the entitlement.

Hybrid Cloud Management uses an internal Vertica datastore component with a limit of 2 TB for the sole use with Hybrid Cloud Management. Storage of any data other than that of Hybrid Cloud Management, is not allowed and requires separate purchases of the appropriate Vertica licenses.

Operations Orchestration (previously called HPE Operations Orchestration)

Operations Orchestration is licensed by Node. The license includes the Core Server, central Server, remote access Server, entire standard content library, all 3rd party integration components and Unlimited users and administrators/authors.

- For Operations Orchestration Server and Storage Node (previously called HPE Operations Orchestration Server and Storage Node and HPE Operations Orchestration Enterprise Orchestrated Node) the Node can represent OS Instances on a physical Device or a Virtual Machine, a physical Device hosting multiple VMs where there are multiple OS Instances, and storage arrays.

- For Operations Orchestration Network Node (previously called HPE Operations Orchestration Network Node and HPE Operations Orchestration Network Orchestrated Node) the Node can represent network Devices such as a switch, router or hub.

- For Operations Orchestration Edge Device Node the Node can represent end user Devices such as Clients, laptops/desktops, handhelds, smart Devices, and SOHO Devices such as low cost Wi-Fi routers, switches, cable boxes.

- For Operations Orchestration Virtual Machine 10 Node (previously called HPE Operations Orchestration Virtual Machine 10 Node and HPE Operations Orchestration CloudFlex 10 Orchestrated Node) each Node represents a Virtual Machine.

Operations Orchestration Platform is only licensed to customers who purchased Operations Orchestration Platform prior to September 1, 2011. Operation Orchestration Platform license includes the Core Server, central Server, remote access Server, entire standard content library and all 3rd party integration components. Operations Orchestration Platform allows software architecture independent of the number of Core Servers and can be installed on any number of computers, provided that the actual usage of the software does not exceed the number of licenses purchased as per the Device tier package.

Operations Orchestration Platform for Integration Only is only licensed to customers who purchased Operations Orchestration Platform for Integration Only prior to September 1, 2011. Operations Orchestration Platform for Integration Only license is restricted to integration of Server Automation or Network Automation with ticketing or monitoring systems, and may not be used for alert/incident resolution automation or other broader Run Book Automation use cases.

Operations Orchestration Content for SAP Process Automation (previously called HPE Operations Orchestration Content for SAP Process Automation and HP Operations Orchestration SAP Process Automation) is licensed per 5 SAP Instances.

An Operations Orchestration license is not required where Operations Orchestration is used to provide integration to a Micro Focus domain manager. A 10:1 ratio for licensing calculations for Operations Orchestration is applicable where an Operations Orchestration flow is orchestrating entities behind a Micro Focus domain manager such as Server Automation. For example, if there are 1,000 servers being managed by Server Automation through an orchestrated flow, then a 100 Enterprise Operations Orchestration Node license would be required.

Cloud Center Suite and Helion Cloud Suite offerings

Suite	Offering includes	Additional terms (If any)
Cloud and Automation Suite Express Edition 10 OS Instance Pack (previously called HPE Cloud and Automation Suite Express Edition 10 OS Instance Pack)	▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 10 Operations Orchestration Server and Storage Node ▪ 1 IT Executive Scorecard Casual Named User ▪ 1 IT Executive Scorecard Named User	▪ N/A ▪ Includes Virtual Machines and customer may combine the licenses – not to exceed 10 total. ▪ For use only with Cloud Content. ▪ For use only with Cloud Content. Additional purchases of this Suite will not include additional IT Executive Scorecard Named Users. Entitlement is limited to 1 Named User per Implementation of CloudSystem Enterprise Add-on Platform Applications and Analytics Suite.
Cloud and Automation Suite Premium Edition 10 OS Instance Pack (previously called HPE Cloud and Automation Suite Premium Edition 10 OS Instance Pack and HP Cloud Service Automation Enterprise Suite 10 OS Instance Pack)	▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 10 Server Automation Ultimate Edition OS Instance ▪ 10 Operations Orchestration Server and Storage Node ▪ 1 IT Executive Scorecard Casual Named User ▪ 1 IT Executive Scorecard Named User	▪ N/A ▪ Excluding Multi-Master and Service Automation Visualizer functionality. ▪ Includes Virtual Machines and customer may combine the licenses – not to exceed 10 total. ▪ For use only with Cloud Content. ▪ For use only with Cloud Content. Additional purchases of this Suite will not include additional IT Executive Scorecard Named Users. Entitlement is limited to 1 Named User per Implementation of CloudSystem Enterprise Add-on Platform Applications and Analytics Suite.
Cloud and Automation Suite Ultimate Edition 10 OS Instance Pack (previously called HPE Cloud and Automation Suite Ultimate Edition 10 OS Instance Pack)	▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 10 Server Automation Ultimate Edition OS Instance ▪ 10 Operations Orchestration Server and Storage Node ▪ 1 Database & Middleware Automation Database Module for Database Instance ▪ 1 IT Executive Scorecard Casual Named User ▪ 1 IT Executive Scorecard Named User	▪ N/A ▪ Full Multi-Master and Service Automation Visualizer functionality. ▪ Includes Virtual Machines and customer may combine the licenses – not to exceed 10 total. ▪ N/A ▪ For use only with Cloud Content. ▪ For use only with Cloud Content. Additional purchases of this Suite will not include additional IT Executive Scorecard Named Users. Entitlement is limited to 1 Named User per Implementation of CloudSystem Enterprise Add-on Platform Applications and Analytics Suite.
Cloud Orchestration Suite Express Edition 10 OS Instance Pack (previously called HPE Cloud Orchestration Suite Express Edition 10 OS Instance Pack)	▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 10 Operations Orchestration Server and Storage Node ▪ 1 IT Business Analytics Named User ▪ 10 Virtualization Performance Viewer / Cloud Optimizer OS Instance ▪ 1 Enterprise Maps Named User ▪ 10 Operations Analytics Express Edition Operations Analytics Node ▪ 1 Universal CMDB Foundation	▪ N/A ▪ N/A ▪ For use only with Cloud Analytics Content, also includes 1 Power Named User per Order. ▪ N/A ▪ Limited to Cloud Assessment feature. ▪ N/A ▪ Includes one limited Universal CMDB (UCMDB) Foundation license per order, which provides the right to use the UCMDB Server, the Data Flow Probe infrastructure, the UCMDB Admin UI, and

Suite	Offering includes	Additional terms (If any)
		the UCMDB Browser only in conjunction with Cloud Orchestration Suite. The rights to use Universal Discovery, Configuration Manager, and UCMDB adapters for third-party repositories must be licensed separately.
Cloud Orchestration Suite Premium Edition 10 OS Instance Pack (previously called HPE Cloud Orchestration Suite Premium Edition 10 OS Instance Pack)	▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 10 Operations Orchestration Server and Storage Node ▪ 1 IT Business Analytics Named User ▪ 10 Virtualization Performance Viewer / Cloud Optimizer OS Instance ▪ 1 Enterprise Maps Named User ▪ 10 Operations Analytics Premium Edition Operations Analytics Node ▪ 1 Universal CMDB Foundation	▪ N/A ▪ N/A ▪ For use only with Cloud Analytics Content, also includes 1 Power Named User per Order. ▪ N/A ▪ Limited to Cloud Transformation feature. ▪ N/A ▪ Includes one limited Universal CMDB (UCMDB) Foundation license per order, which provides the right to use the UCMDB Server, the Data Flow Probe infrastructure, the UCMDB Admin UI, and the UCMDB Browser only in conjunction with Cloud Orchestration Suite. The rights to use Universal Discovery, Configuration Manager, and UCMDB adapters for third-party repositories must be licensed separately.

	▪ 1 Data Center Automation Suite Premium Edition 10 OS Instance Pack	▪ Includes:
		  - 10 Data Center Virtual Appliance OS Instance
		  - 10 IT Operations Compliance Premium Edition OS Instance
		  - 1 Database and Middleware Automation Premium Edition OS Instance
		  - 1 Network Automation Premium Edition Node

	▪ 1 Operations Bridge Premium Edition Suite 10 Node Pack Node	▪ Includes:
		  - 1 Operations Manager i Event Management Foundation 10 Pack Operations Bridge Nodes
		  - 1 Monitoring Automation for Composite Applications 10 Pack Operations Bridge Nodes
		  - 1 Operations Bridge Reporter Standard Edition 10 Pack Operations Bridge Nodes
		▪ N/A

	▪ 10 Operations Bridge System Collector OS Instance	
CloudSystem Enterprise Starter Suite (previously called HPE CloudSystem Enterprise Starter Suite)	▪ 5 Cloud Service Automation 10 OS Instance Pack ▪ 50 Server Automation Ultimate Edition OS Instance ▪ 50 Operations Orchestration Server and Storage Node ▪ 5 Database & Middleware Automation Database Module for Database Instance	▪ N/A ▪ Excluding Multi-Master and Service Automation Visualizer functionality. ▪ N/A ▪ N/A
CloudSystem Enterprise Add-on Platform Applications and Analytics Suite	▪ 10 Server Automation Ultimate Edition OS Instances ▪ 1 Database Automation Database Module OS Instance ▪ 1 IT Executive Scorecard Casual Named User ▪ 1 IT Executive Scorecard Named User	▪ Excluding Multi-Master and Service Automation Visualizer functionality. ▪ Limited to 10 Database Instances. ▪ For use only with Cloud Content.

Suite	Offering includes	Additional terms (If any)
(previously called HPE CloudSystem Enterprise Add-on Platform Applications and Analytics Suite)		▪ For use only with Cloud Content. Additional purchases of this Suite will not include additional IT Executive Scorecard Named Users. Entitlement is limited to 1 Named User per Implementation of CloudSystem Enterprise Add-on Platform Applications and Analytics Suite.

Helion Cloud Suite Express Edition 10 OS Instance Pack * (previously called HPE Helion Cloud Suite Express Edition 10 OS Instance Pack)	▪ 1 Data Center Automation Suite Express Edition 10 OS Instance Pack
	
	▪ Operations Bridge Premium Edition Suite 10 Operations Bridge Node Pack
	
	▪ Operations Analytics Express Edition 10 Operations Analytics Node Pack
	▪ Cloud Optimizer Premium Edition 10 OS Instance Pack
		▪ Does not include use of Data Center Automation Virtual Appliance Operations Portal cloud brokering, multi-tenancy, cloud analytics capabilities.
		▪ Resource provider support in the Data Center Automation Virtual Appliance Operations Portal excludes the use of public cloud and Helion Openstack resource providers.
		▪ Includes 1 Data Center Automation Virtual Appliance, including the following as embedded components of the Virtual Appliance that may represent OS Instances on a physical Device, a Virtual Machine or a storage array:
		  - 10 Server Automation OS Instance (does not include the use of Audit & Compliance, management of Solaris servers, Multi-Master, Service Automation Visualizer or High Availability functionality as a part of the Server Automation component)
		  - 10 Operations Orchestration Server & Storage Node (does not include the use of Operations Orchestration clustering functionality)
		▪ Includes 1 Operations Manager i Event Management Foundation 10 Pack Operations Bridge Nodes
		▪ Limited to Virtual Machine and Baremetal

Helion Cloud Suite Premium Edition 10 OS Instance Pack * (previously called HPE Helion Cloud Suite Premium Edition 10 OS Instance Pack)	▪ 1 Data Center Automation Suite Express Edition 10 OS Instance Pack	▪ Does not include use of Data Center Automation Virtual Appliance Operations Portal cloud brokering, multi-tenancy, cloud analytics capabilities. ▪ Resource provider support in the Data Center Automation Virtual Appliance Operations Portal excludes the use of public cloud and Helion Openstack resource providers. ▪ Includes 1 Data Center Automation Virtual Appliance, including the following as embedded components of the Virtual Appliance that may represent OS Instances on a physical Device, a Virtual Machine or a storage array: - 10 Server Automation OS Instance (does not include the use of Audit & Compliance, management of Solaris servers, Multi-Master, Service Automation Visualizer or High

Suite	Offering includes	Additional terms (If any)
		Availability functionality as a part of the Server Automation component) - 10 Operations Orchestration Server & Storage Node (does not include the use of Operations Orchestration clustering functionality)
	▪ IT Operations Compliance Premium Edition 10 OS Instance Pack ▪ Database and Middleware Automation Premium Edition 1 OS Instance ▪ Operations Bridge Premium Edition Suite 10 Operations Bridge Node Pack	▪ Includes: - 1 Operations Manager i Event Management Foundation 10 Pack Operations Bridge Nodes - 1 Monitoring Automation for Composite Applications 10 Pack Operations Bridge Nodes - 1 Operations Bridge Reporter Standard 10 Pack Operations Bridge Nodes - 1 Business Value Dashboard per 1000 Operations Bridge Nodes (for Operations Manager i 10.10 and higher) ▪ Limited to IaaS Analytics
	▪ Operations Analytics 10 Premium Edition Operations Analytics Node Pack ▪ Cloud Optimizer Premium Edition 10 OS Instance Pack ▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 1 Operations Orchestration 10 OS Instance Pack ▪ 1 IT Business Analytics Casual Named User and 1 IT Business Analytics Power Named User ▪ 1 Universal Discovery 10 OS Instance Pack ▪ 1 Enterprise Maps Named User ▪ 1 Helion OpenStack 10 OS Instance Pack ▪ 1 Codar 50 OS Instance Pack Starter Pack ▪ 1 Helion Stackato 20 GB Pack Starter Pack	 ▪ Limited to Cloud Analytics ▪ Limited to Cloud Assessment ▪ Limited to 50 OS Instances total per Implementation of this Suite ▪ Limited to 20 GB total per Implementation of this Suite
Helion Cloud Suite Ultimate Edition 10 OS Instance Pack* (previously called HPE Helion Cloud Suite Ultimate Edition 10 OS Instance Pack)	▪ 1 Data Center Automation Suite Express Edition 10 OS Instance Pack	▪ Does not include use of Data Center Automation Virtual Appliance Operations Portal cloud brokering, multi-tenancy, cloud analytics capabilities. ▪ Resource provider support in the Data Center Automation Virtual Appliance Operations Portal excludes the use of public cloud and Helion Openstack resource providers. ▪ Includes 1 Data Center Automation Virtual Appliance, including the following as embedded components of the Virtual Appliance that may represent OS Instances on a physical Device, a Virtual Machine or a storage array: - 10 Server Automation OS Instance (does not include the use of Audit & Compliance, management of Solaris servers, Multi-Master, Service Automation Visualizer or High Availability functionality as a part of the Server Automation component)

Suite	Offering includes	Additional terms (If any)
		- 10 Operations Orchestration Server & Storage Node (does not include the use of Operations Orchestration clustering functionality)
	▪ IT Operations Compliance Ultimate Edition 10 OS Instance Pack ▪ Database and Middleware Automation Ultimate Edition 1 OS Instance ▪ Network Automation Ultimate Edition 1 Node ▪ Operations Bridge Ultimate Edition Suite version 3 10 Operations Bridge Node Pack	▪ Includes: - 1 Operations Manager i Event Management Foundation 10 Pack Operations Bridge Nodes - 1 Monitoring Automation for Composite Applications 10 Pack Operations Bridge Nodes - 1 Operations Bridge Reporter Advanced 10 Pack Operations Bridge Nodes - 1 Business Value Dashboard per 1000 Operations Bridge Nodes (for Operations Manager i 10.10 and higher) - 1 Operations Orchestration 10 Pack Operations Bridge Nodes - 1 Operations Bridge Topology Based Event Correlation Add-on 10 Pack Operations Bridge Nodes - 1 Operations Analytics Ultimate Edition 10 Pack Operations Bridge Nodes (limited to IaaS Analytics) - 1 Business Value Dashboard per 1000 Operations Bridge Nodes (for Operations Manager i 10.10 and higher) - 1 Cloud Optimizer Premium Edition 10 Pack Operations Bridge Nodes - 1 Universal Discovery 10 Pack Operations Bridge Nodes - 1 Universal CMDB Automated Service Modeling Mapped Service
	▪ Operations Bridge System Collector Add-on 10 Operations Bridge Node Pack ▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 1 Operations Orchestration 10 OS Instance Pack ▪ 1 IT Business Analytics Casual Named User and 1 IT Business Analytics Power Named User ▪ 1 Enterprise Maps Named User ▪ 1 Helion OpenStack 10 OS Instance Pack ▪ 1 Codar 10 OS Instance Pack ▪ 1 Helion Stackato 20 GB Pack Starter Pack ▪ 1 Propel Portal Premium Edition 10 User Pack	▪ Limited to Cloud Analytics ▪ Limited to Cloud Assessment ▪ Limited to 20 GB total per Implementation of this Suite
Hybrid Cloud Management Suite Express Edition 10 Unit Pack **	▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 1 Operations Orchestration Virtual Machine 10 Node Pack	▪ For this Suite, 1 Unit equals: - 1 Operating System Instance, or - 5 Containers, or - 5 Public Cloud Service Instances, or

Suite	Offering includes	Additional terms (If any)
(previously called HPE Hybrid Cloud Management Suite Express Edition 10 Unit Pack)	▪ 1 IT Business Analytics Casual Named User and 1 IT Business Analytics Power Named User ▪ 1 Cloud Optimizer Premium Edition 10 OS Instance Pack ▪ 1 Universal CMDB Foundation	- 10 Edge Devices / IoT Nodes ▪ There is no separate entitlement to specific components inside the Suite. Only specific capabilities provided by components in context of the Suite's use-cases are part of the entitlement.
Hybrid Cloud Management Suite Premium Edition 10 Unit Pack ** (previously called HPE Hybrid Cloud Management Suite Premium Edition 10 Unit Pack)	▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 1 Operations Orchestration Virtual Machine 10 Node Pack ▪ 1 IT Business Analytics Casual Named User and 1 IT Business Analytics Power Named User ▪ 1 Cloud Optimizer Premium Edition 10 OS Instance Pack ▪ 1 Universal CMDB Foundation ▪ 1 Codar 10 OS Instance Pack	▪ For this Suite, 1 Unit equals: - 1 Operating System Instance, or - 5 Containers, or - 5 Public Cloud Service Instances, or - 10 Edge Devices / IoT Nodes ▪ There is no separate entitlement to specific components inside the Suite. Only specific capabilities provided by components in context of the Suite's use-cases are part of the entitlement. ▪ Use of IT Business Analytics is limited to Cloud Analytics. ▪ Use of Cloud Optimizer is limited to the environment managed by Hybrid Cloud Management Suite and Cloud Service Automation. ▪ Database and Middleware Automation Premium Edition capability is available as applied content within the Suite and not as a standalone product.
Hybrid Cloud Management Suite Ultimate Edition 10 Unit Pack ** (previously called HPE Hybrid Cloud Management Suite Ultimate Edition 10 Unit Pack)	▪ 1 Cloud Service Automation 10 OS Instance Pack ▪ 1 Operations Orchestration Virtual Machine 10 Node Pack ▪ 1 IT Business Analytics Casual Named User and 1 IT Business Analytics Power Named User ▪ 1 Cloud Optimizer Premium Edition 10 OS Instance Pack ▪ 1 Universal CMDB Foundation ▪ 1 Codar 10 OS Instance Pack ▪ Propel Portal Premium Edition 100 Named Users (only with Hybrid Cloud Management Suite Ultimate Edition version 2017.01) ▪ 1 IT Operations Compliance Ultimate Edition 10 OS Instance Pack ▪ 1 Universal Discovery 10 OS Instance Pack	▪ For this Suite, 1 Unit equals: - 1 Operating System Instance, or - 5 Containers, or - 5 Public Cloud Service Instances, or - 10 Edge Devices / IoT Nodes ▪ There is no separate entitlement to specific components inside the Suite. Only specific capabilities provided by components in context of the Suite's use-cases are part of the entitlement. ▪ Use of IT Business Analytics is limited to Cloud Analytics. ▪ Use of Cloud Optimizer is limited to the environment managed by Hybrid Cloud Management Suite and Cloud Service Automation. ▪ Use of Universal Discovery is limited to the environment managed by Hybrid Cloud Management Suite and Cloud Service Automation. ▪ Database and Middleware Automation Premium Edition capability is available as applied content within the Suite and not as a standalone product.

Suite	Offering includes	Additional terms (If any)

Hybrid Cloud Management Suite Premium Edition Version 2 10 Unit Pack ** (previously called HPE Hybrid Cloud Management Suite Premium Edition Version 2 10 Unit Pack)	▪ 1 Cloud Service Automation 10 OS Instance Pack
	▪ 1 Operations Orchestration Virtual Machine 10 Node Pack
	▪ 1 Cloud Optimizer Premium Edition 10 OS Instance Pack
	▪ 1 Universal CMDB Foundation
	▪ 2 Universal Discovery Units or 1 Universal Discovery Inventory 10 OS Instance Pack (limited to cloud discovery)
		▪ For this Suite, if deployed in container deployment foundation mode, 1 Unit equals:
		  - 1 Operating System Instance, or
		  - 5 Containers, or
		  - 5 Public Cloud Service Instances, or
		  - 10 Edge Devices / IoT Nodes.
		▪ If the suite is deployed in classic (individual product installations) mode, 1 Unit equals 1 Operating System Instance.
		▪ There is no separate entitlement to specific components inside the Suite. Only specific capabilities provided by components in context of the Suite's use-cases are part of the entitlement.
		▪ Use of Universal Discovery is limited to the environment managed by Hybrid Cloud Management Suite and Cloud Service Automation.
		▪ Use of Cloud Optimizer is limited to the environment managed by Hybrid Cloud Management Suite and Cloud Service Automation.
		▪ Database and Middleware Automation Express Edition capability is available as applied content within the Suite and not as a standalone product.
		▪ The Hybrid Cloud Management suite uses an internal Vertica datastore component with a limit of 2 TB for the sole use with Hybrid Cloud Management. Storage of any data other than that of Hybrid Cloud Management, is not allowed and requires separate purchases of the appropriate Vertica licenses.

Additional License Authorizations

For Cloud Center and Helion Cloud Suite software products

Suite	Offering includes	Additional terms (If any)

Hybrid Cloud Management Suite Ultimate Edition Version 2 10 Unit Pack ** (previously called HPE Hybrid Cloud Management Suite Ultimate Edition Version 2 10 Unit Pack)	▪ 1 Cloud Service Automation 10 OS Instance Pack
	▪ 1 Operations Orchestration Virtual Machine 10 Node Pack
	▪ 1 Cloud Optimizer Premium Edition 10 OS Instance Pack
	▪ 1 Universal CMDB Foundation
	▪ 2 Universal Discovery Units or 1 Universal Discovery Inventory 10 OS Instance Pack (limited to cloud discovery)
	▪ 1 Codar 10 OS Instance Pack
		▪ For this Suite, if deployed in container deployment foundation mode, 1 Unit equals:
		  - 1 Operating System Instance, or
		  - 5 Containers, or
		  - 5 Public Cloud Service Instances, or
		  - 10 Edge Devices / IoT Nodes.
		▪ If the suite is deployed in classic (individual product installations) mode, 1 Unit equals 1 Operating System Instance.
		▪ There is no separate entitlement to specific components inside the Suite. Only specific capabilities provided by components in context of the Suite's use-cases are part of the entitlement.
		▪ Use of Cloud Optimizer is limited to the environment managed by Hybrid Cloud Management Suite and Cloud Service Automation.
		▪ Use of Universal Discovery is limited to the environment managed by Hybrid Cloud Management Suite and Cloud Service Automation.
		▪ Database and Middleware Automation Express Edition capability is available as applied content within the Suite and not as a standalone product.
		▪ The Hybrid Cloud Management suite uses an internal Vertica datastore component with a limit of 2 TB for the sole use with Hybrid Cloud Management. Storage of any data other than that of Hybrid Cloud Management, is not allowed and requires separate purchases of the appropriate Vertica licenses.

* The Helion Cloud Suite OS Instances licensed by customer ("HCS OSIs") may only be provisioned and managed by Helion Cloud Suite product components. In addition, all Helion Cloud Suite product components must be used solely with regard to the HCS OSIs and may not be used across different OSIs.

** The Hybrid Cloud Management "Unit" licensed by customer ("HCM Units") may only be provisioned and managed by Hybrid Cloud Management product components. In addition, all Hybrid Cloud Management Suite product components must be used solely with regard to the HCM Units and may not be used across different Units.

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