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# Additional License Authorizations

For Hybrid Cloud Management software products

## Additional License Authorizations

For Hybrid Cloud Management software products

This Additional License Authorizations document (“ALA”) set forth the applicable License Options and additional specific software license terms that govern the authorized use of the software products specified below, and are part of the applicable agreement (i.e., Micro Focus End User License Agreement; and/or any separate agreement that grants Licensee a license to such products (e.g., Customer Portfolio Terms or other Master Agreement); and/or Quotation) (the “Applicable Agreement”). Capitalized terms used but not defined herein shall have the meanings set forth in the Applicable Agreement.

## Products and Suites covered

| Products  | E-LTU or E-Media available* | Non-production software class (Perpetual and Subscription License) ** | Term License Non-production software class (if available) |
|---|-----------------------------|---|---|
| Cloud Service Automation                          | Yes                         | Class 1   | Class 3   |
| Codar   | Yes                         | Class 1 or 3 ****   | Class 3   |
| Enterprise Maps                                   | Yes                         | Class 1   | Class 3   |
| Hybrid Cloud Management Express Edition Version 2 | Yes                         | Class 1   | Class 3   |
| Hybrid Cloud Management X                         | Yes                         | Class 1   | Class 1   |
| IT Business Analytics                             | Yes                         | Class 1   | Class 3   |
| Systinet Express Edition                          | Yes                         | Class 2   | Class 3   |
| Systinet Premium Edition                          | Yes                         | Class 2   | Class 3   |

| Suites  | E-LTU or E-Media available* | Non-production software class (Perpetual and Subscription License) ** | Term License Non-production software class (if available) |
|---|-----------------------------|---|---|
| Cloud and Automation Suite Express Edition                              | Yes                         | Class 1   | Class 3   |
| Cloud and Automation Suite Premium Edition                              | Yes                         | Class 1   | Class 3   |
| Cloud and Automation Suite Ultimate Edition                             | Yes                         | Class 1   | Class 3   |
| Cloud Orchestration Suite Express Edition                               | Yes                         | Class 1 ***   | Class 3   |
| Cloud Orchestration Suite Premium Edition                               | Yes                         | Class 1 ***   | Class 3   |
| CloudSystem Enterprise Starter Suite                                    | Yes                         | Class 1   | Class 3   |
| CloudSystem Enterprise Add-on Platform Applications and Analytics Suite | Yes                         | Class 1   | Class 3   |
| Helion Cloud Suite Express Edition                                      | Yes                         | Class 3   | Class 3   |
| Helion Cloud Suite Premium Edition                                      | Yes                         | Class 3   | Class 3   |
| Helion Cloud Suite Ultimate Edition                                     | Yes                         | Class 3   | Class 3   |
| Hybrid Cloud Management Suite Express Edition                           | Yes                         | Class 1   | Class 3   |
| Hybrid Cloud Management Suite Premium Edition                           | Yes                         | Class 1   | Class 3   |
| Hybrid Cloud Management Suite Ultimate Edition                          | Yes                         | Class 1   | Class 3   |
| Hybrid Cloud Management Suite Express Edition Version 2                 | Yes                         | Class 1   | Class 3   |
| Hybrid Cloud Management Suite Premium Edition Version 2                 | Yes                         | Class 1   | Class 3   |

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| Suites   | E-LTU or E-Media available* | Non-production software class (Perpetual and Subscription License) ** | Term License Non-production software class (if available) |
|--|-----------------------------|---|---|
| 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](https://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  |
|-----------------------------|---|
| Agent                       | Means that portion of the software that manages and is required for each physical server, virtual server or container.  |
| Casual Named User           | Means a Named User that may occasionally access APIs, create and view requests, update only the requests the user created, view portals, and run/view reports.  |
| 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             | 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.  |
| Core                        | Means the server side component of software. Is typically complemented by an Agent component.   |
| 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 <ul style="list-style-type: none"> <li>▪ For Microsoft SQL Server, Database Instance is one SQL Server Service with its own port, logins and set of system and user Databases.</li> <li>▪ 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.</li> <li>▪ 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.</li> <li>▪ 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.</li> </ul> |
| Development System          | Means a non-production development system which has a software product installed and is to be used for developing software product add-on applications.   |
| Development and Test System | Means a Development System and a Test System.   |

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| Term  | Definition  |
|---|---|
| Device                                      | 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                                  | Means a single Instance of the core or primary components of a software application which enable its basic functionality, and without which the additional modules available for the application are unable to operate. Foundation software may be installed on one or multiple servers, depending on the specific architecture required to enable the functioning of the single Instance.  |
| 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.   |
| Managed Data Repository                     | Means a repository of data that provides data about managed resources (for example, application software, application interfaces, and processes) and the relationships between them.  |
| Named 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. |
| Server                                      | Means any designated computer system in which an Instance or Instances of the software is installed.  |
| 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 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.  |
| Test System                                 | Means a non-production test system which has a software product installed and is being used for a) software product migration testing; or b) software product pre-production staging.   |
| 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                                   | 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.   |

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# 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

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

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

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

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 data storage component with a limit of 20 TB for the sole use with Hybrid Cloud Management. An additional Vertica Expansion licenses is required for additional data capacity. End customer's third-party tools are permitted to access data stored in Vertica.

## Hybrid Cloud Management X

Hybrid Cloud Management X is licensed by Unit. One Unit equals:

- 1 Operating System Instance, or
- 1 Storage Nodes, or
- 2 Network Nodes, or
- 5 Database service or Middleware service, or
- 5 Containers, or
- 8 edge Device / IoT Nodes

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There is no separate entitlement to specific components inside the Product. Only specific capabilities provided by components in the context of the cloud management capabilities are part of the entitlement. Hybrid Cloud Management X (HCMX) includes the following capabilities and is licensed by HCMX 10 Unit Pack:

- Service portal
- Service design
- Service deployment automation using Operations Orchestration
- Cost governance and resource optimization
- Service catalog management
- Universal CMDB Foundation
- Service Asset and Configuration Management
- Studio – only for the out of the box provided workflows and entities
- Financial Management

Operations Orchestration that is bundled within HCMX can be used only through HCMX components and not as a standalone. This usage is restricted to cloud management capabilities. HCMX license includes entitlement to the Micro Focus supported Operations Orchestration content packs and capsules available under the Hybrid Cloud Management category in the ITOM Marketplace: <https://marketplace.microfocus.com/itom/category/hcm>.

HCMX Unit may only be provisioned and managed by HCMX components.

HCMX uses an internal Vertica data storage component with a limit of 20 TB. An additional Vertica Expansion license is required for additional data capacity. End customer's third-party tools are permitted to access data stored in Vertica.

Each Vertica Expansion Add-on license includes 5 TB of Vertica storage and permits ITOM suite license to divide the Add-on aggregate capacity as required within a single ITOM suite or ITOM product or across multiple ITOM products or across multiple ITOM products suites for a given Vertica cluster. The Vertica Expansion Add-on SKU for Micro Focus ITOM Products is only available for Vertica version 9.1 or higher. End-customer's third-party tools are permitted to access data stored in Vertica.

## IT Business Analytics

IT Business Analytics is licensed by Casual Named User or by Named User. IT Business Analytics includes a license to Anywhere limited edition software. Use of the remote access capabilities of the Anywhere limited edition software is restricted to the IT Business Analytics software only and cannot be used with any other Micro Focus product or third party products.

Except for the IT Business Analytics without Business Objects licenses, IT Business Analytics includes a license to use SAP Web Intelligence and SAP Xcelsius Enterprise ("SAP Software"). Use of the SAP Software is limited solely to connecting to data, universes, and Web Intelligence reports containing IT management data defined by IT Business Analytics. The use of the SAP Software to connect to any content, report, or universe which contains any data other than that described above is strictly prohibited. Without limiting the generality of the foregoing, you may not use the SAP Software to connect to: any Business Objects™ universes other than the universes supplied with the IT Business Analytics or Web Intelligence reports containing any data not related to IT Business Analytics. When using the SAP Software you will be prompted to confirm in a user interface your compliance with this license requirement.

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IT Business Analytics includes a license to use a Vertica Enterprise Edition Instance (“Vertica Instance”). Use of the Vertica Instance is limited solely to IT Business Analytics and cannot be used to integrate or host schemas for other software products.

## Systinet Express Edition

Systinet Express Edition is licensed by Managed Data Repository and requires either a Named User or Concurrent User license. Systinet Express Edition includes Repository Management and one SOA Registry OSI license. Additional SOA Registry OSI licenses can be purchased separately.

Systinet Express Edition Non-Production is licensed by Managed Data Repository and Unlimited Concurrent Users. Systinet Express Edition Non-Production only includes Repository Management.

## Systinet Premium Edition

Systinet Premium Edition is licensed by Managed Data Repository. Systinet Premium Edition includes Repository Management, Lifecycle Management, Policy Management, Contract Management and one SOA Registry OSI license. Additional SOA Registry OSI licenses can be purchased separately.

Systinet Premium Edition Non-Production is licensed by Managed Data Repository and Unlimited Concurrent Users. Systinet Premium Edition Non-Production includes Repository Management, Lifecycle Management, Policy Management and Contract Management.

## Systinet per RGIF Connector

Systinet per RGIF Connector is licensed by Connector limited to manage one Device through the RGIF compliant interface.

## Hybrid Cloud Management Suite offerings

| Suite   | Offering includes   | Additional terms (If any)  |
|---|---|--|
| Cloud and Automation Suite Express Edition<br>10 OS Instance Pack | <ul style="list-style-type: none"><li>1 Cloud Service Automation 10 OS Instance Pack</li><li>10 Operations Orchestration Server and Storage Node</li><li>1 IT Executive Scorecard Casual Named User</li><li>1 IT Executive Scorecard Named User</li></ul>   | <ul style="list-style-type: none"><li>N/A</li><li>Includes Virtual Machines and customer may combine the licenses – not to exceed 10 total.</li><li>For use only with Cloud Content.</li><li>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.</li></ul>   |
| Cloud and Automation Suite Premium Edition<br>10 OS Instance Pack | <ul style="list-style-type: none"><li>1 Cloud Service Automation 10 OS Instance Pack</li><li>10 Server Automation Ultimate Edition OS Instance</li><li>10 Operations Orchestration Server and Storage Node</li><li>1 IT Executive Scorecard Casual Named User</li><li>1 IT Executive Scorecard Named User</li></ul> | <ul style="list-style-type: none"><li>N/A</li><li>Excluding Multi-Master and Service Automation Visualizer functionality.</li><li>Includes Virtual Machines and customer may combine the licenses – not to exceed 10 total.</li><li>For use only with Cloud Content.</li><li>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.</li></ul> |

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| Suite  | Offering includes   | Additional terms (If any)   |
|--|---|---|
| Cloud and Automation Suite Ultimate Edition<br>10 OS Instance Pack | <ul style="list-style-type: none"> <li>▪ 1 Cloud Service Automation 10 OS Instance Pack</li> <li>▪ 10 Server Automation Ultimate Edition OS Instance</li> <li>▪ 10 Operations Orchestration Server and Storage Node</li> <li>▪ 1 Database &amp; Middleware Automation Database Module for Database Instance</li> <li>▪ 1 IT Executive Scorecard Casual Named User</li> <li>▪ 1 IT Executive Scorecard Named User</li> </ul>   | <ul style="list-style-type: none"> <li>▪ N/A</li> <li>▪ Full Multi-Master and Service Automation Visualizer functionality.</li> <li>▪ Includes Virtual Machines and customer may combine the licenses – not to exceed 10 total.</li> <li>▪ N/A</li> <li>▪ For use only with Cloud Content.</li> <li>▪ 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.</li> </ul>  |
| Cloud Orchestration Suite Express Edition<br>10 OS Instance Pack   | <ul style="list-style-type: none"> <li>▪ 1 Cloud Service Automation 10 OS Instance Pack</li> <li>▪ 10 Operations Orchestration Server and Storage Node</li> <li>▪ 1 IT Business Analytics Named User</li> <li>▪ 10 Virtualization Performance Viewer / Cloud Optimizer OS Instance</li> <li>▪ 1 Enterprise Maps Named User</li> <li>▪ 10 Operations Analytics Express Edition Operations Analytics Node</li> <li>▪ 1 Universal CMDB Foundation</li> </ul>   | <ul style="list-style-type: none"> <li>▪ N/A</li> <li>▪ N/A</li> <li>▪ For use only with Cloud Analytics Content, also includes 1 Power Named User per Order.</li> <li>▪ N/A</li> <li>▪ Limited to Cloud Assessment feature.</li> <li>▪ N/A</li> <li>▪ 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.</li> </ul>  |
| Cloud Orchestration Suite Premium Edition<br>10 OS Instance Pack   | <ul style="list-style-type: none"> <li>▪ 1 Cloud Service Automation 10 OS Instance Pack</li> <li>▪ 10 Operations Orchestration Server and Storage Node</li> <li>▪ 1 IT Business Analytics Named User</li> <li>▪ 10 Virtualization Performance Viewer / Cloud Optimizer OS Instance</li> <li>▪ 1 Enterprise Maps Named User</li> <li>▪ 10 Operations Analytics Premium Edition Operations Analytics Node</li> <li>▪ 1 Universal CMDB Foundation</li> <li>▪ 1 Data Center Automation Suite Premium Edition 10 OS Instance Pack</li> </ul> | <ul style="list-style-type: none"> <li>▪ N/A</li> <li>▪ N/A</li> <li>▪ For use only with Cloud Analytics Content, also includes 1 Power Named User per Order.</li> <li>▪ N/A</li> <li>▪ Limited to Cloud Transformation feature.</li> <li>▪ N/A</li> <li>▪ 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.</li> <li>▪ Includes: <ul style="list-style-type: none"> <li>- 10 Data Center Virtual Appliance OS Instance</li> </ul> </li> </ul> |



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| Suite   | Offering includes  | Additional terms (If any)   |
|---|--|---|
|   | <ul style="list-style-type: none"> <li>▪ 1 Operations Bridge Premium Edition Suite 10 Node Pack Node</li> <li>▪ 10 Operations Bridge System Collector OS Instance</li> </ul>   | <ul style="list-style-type: none"> <li>- 10 IT Operations Compliance Premium Edition OS Instance</li> <li>- 1 Database and Middleware Automation Premium Edition OS Instance</li> <li>- 1 Network Automation Premium Edition Node</li> <li>▪ Includes:               <ul style="list-style-type: none"> <li>- 1 Operations Manager i Event Management Foundation 10 Pack Operations Bridge Nodes</li> <li>- 1 Monitoring Automation for Composite Applications 10 Pack Operations Bridge Nodes</li> <li>- 1 Operations Bridge Reporter Standard Edition 10 Pack Operations Bridge Nodes</li> </ul> </li> <li>▪ N/A</li> </ul>   |
| CloudSystem Enterprise Starter Suite                                    | <ul style="list-style-type: none"> <li>▪ 5 Cloud Service Automation 10 OS Instance Pack</li> <li>▪ 50 Server Automation Ultimate Edition OS Instance</li> <li>▪ 50 Operations Orchestration Server and Storage Node</li> <li>▪ 5 Database &amp; Middleware Automation Database Module for Database Instance</li> </ul> | <ul style="list-style-type: none"> <li>▪ N/A</li> <li>▪ Excluding Multi-Master and Service Automation Visualizer functionality.</li> <li>▪ N/A</li> <li>▪ N/A</li> </ul>  |
| CloudSystem Enterprise Add-on Platform Applications and Analytics Suite | <ul style="list-style-type: none"> <li>▪ 10 Server Automation Ultimate Edition OS Instances</li> <li>▪ 1 Database Automation Database Module OS Instance</li> <li>▪ 1 IT Executive Scorecard Casual Named User</li> <li>▪ 1 IT Executive Scorecard Named User</li> </ul>   | <ul style="list-style-type: none"> <li>▪ Excluding Multi-Master and Service Automation Visualizer functionality.</li> <li>▪ Limited to 10 Database Instances.</li> <li>▪ For use only with Cloud Content.</li> <li>▪ 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.</li> </ul>   |
| Helion Cloud Suite Express Edition 10 OS Instance Pack *                | <ul style="list-style-type: none"> <li>▪ 1 Data Center Automation Suite Express Edition 10 OS Instance Pack</li> </ul>   | <ul style="list-style-type: none"> <li>▪ Does not include use of Data Center Automation Virtual Appliance Operations Portal cloud brokering, multi-tenancy, cloud analytics capabilities.</li> <li>▪ Resource provider support in the Data Center Automation Virtual Appliance Operations Portal excludes the use of public cloud and Helion OpenStack resource providers.</li> <li>▪ 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:               <ul style="list-style-type: none"> <li>- 10 Server Automation OS Instance (does not include the use of Audit &amp; Compliance, management of Solaris servers, Multi-Master, Service Automation Visualizer or High Availability functionality as a part of the Server Automation component)</li> <li>- 10 Operations Orchestration Server &amp; Storage Node (does not include the use of Operations Orchestration clustering functionality)</li> </ul> </li> </ul> |

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|   | <ul style="list-style-type: none"> <li>▪ Operations Bridge Premium Edition Suite 10 Operations Bridge Node Pack</li> <li>▪ Operations Analytics Express Edition 10 Operations Analytics Node Pack</li> <li>▪ Cloud Optimizer Premium Edition 10 OS Instance Pack</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Includes 1 Operations Manager i Event Management Foundation 10 Pack Operations Bridge Nodes</li> <li>▪ Limited to Virtual Machine and Baremetal</li> </ul>  |
| <p>Helion Cloud Suite Premium Edition 10 OS Instance Pack *</p> | <ul style="list-style-type: none"> <li>▪ 1 Data Center Automation Suite Express Edition 10 OS Instance Pack</li> <li>▪ IT Operations Compliance Premium Edition 10 OS Instance Pack</li> <li>▪ Database and Middleware Automation Premium Edition 1 OS Instance</li> <li>▪ Operations Bridge Premium Edition Suite 10 Operations Bridge Node Pack</li> <li>▪ Operations Analytics 10 Premium Edition Operations Analytics Node Pack</li> <li>▪ Cloud Optimizer Premium Edition 10 OS Instance Pack</li> <li>▪ 1 Cloud Service Automation 10 OS Instance Pack</li> <li>▪ 1 Operations Orchestration 10 OS Instance Pack</li> <li>▪ 1 IT Business Analytics Casual Named User and 1 IT Business Analytics Power Named User</li> <li>▪ 1 Universal Discovery 10 OS Instance Pack</li> <li>▪ 1 Enterprise Maps Named User</li> <li>▪ 1 Helion OpenStack 10 OS Instance Pack</li> <li>▪ 1 Codar 50 OS Instance Pack Starter Pack</li> </ul> | <ul style="list-style-type: none"> <li>▪ Does not include use of Data Center Automation Virtual Appliance Operations Portal cloud brokering, multi-tenancy, cloud analytics capabilities.</li> <li>▪ Resource provider support in the Data Center Automation Virtual Appliance Operations Portal excludes the use of public cloud and Helion OpenStack resource providers.</li> <li>▪ 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:               <ul style="list-style-type: none"> <li>- 10 Server Automation OS Instance (does not include the use of Audit &amp; Compliance, management of Solaris servers, Multi-Master, Service Automation Visualizer or High Availability functionality as a part of the Server Automation component)</li> <li>- 10 Operations Orchestration Server &amp; Storage Node (does not include the use of Operations Orchestration clustering functionality)</li> </ul> </li> <li>▪ Includes:               <ul style="list-style-type: none"> <li>- 1 Operations Manager i Event Management Foundation 10 Pack Operations Bridge Nodes</li> <li>- 1 Monitoring Automation for Composite Applications 10 Pack Operations Bridge Nodes</li> <li>- 1 Operations Bridge Reporter Standard 10 Pack Operations Bridge Nodes</li> <li>- 1 Business Value Dashboard per 1000 Operations Bridge Nodes (for Operations Manager i 10.10 and higher)</li> </ul> </li> <li>▪ Limited to IaaS Analytics</li> <li>▪ Limited to Cloud Analytics</li> <li>▪ Limited to Cloud Assessment</li> </ul> |

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|  | <ul style="list-style-type: none"> <li>▪ 1 Helion Stackato 20 GB Pack Starter Pack</li> </ul>   | <ul style="list-style-type: none"> <li>▪ Limited to 50 OS Instances total per Implementation of this Suite</li> <li>▪ Limited to 20 GB total per Implementation of this Suite</li> </ul>   |
| <p>Helion Cloud Suite Ultimate Edition 10 OS Instance Pack *</p> | <ul style="list-style-type: none"> <li>▪ 1 Data Center Automation Suite Express Edition 10 OS Instance Pack</li> <li>▪ IT Operations Compliance Ultimate Edition 10 OS Instance Pack</li> <li>▪ Database and Middleware Automation Ultimate Edition 1 OS Instance</li> <li>▪ Network Automation Ultimate Edition 1 Node</li> <li>▪ Operations Bridge Ultimate Edition Suite version 3 10 Operations Bridge Node Pack</li> </ul> | <ul style="list-style-type: none"> <li>▪ Does not include use of Data Center Automation Virtual Appliance Operations Portal cloud brokering, multi-tenancy, cloud analytics capabilities.</li> <li>▪ Resource provider support in the Data Center Automation Virtual Appliance Operations Portal excludes the use of public cloud and Helion OpenStack resource providers.</li> <li>▪ 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:               <ul style="list-style-type: none"> <li>- 10 Server Automation OS Instance (does not include the use of Audit &amp; Compliance, management of Solaris servers, Multi-Master, Service Automation Visualizer or High Availability functionality as a part of the Server Automation component)</li> <li>- 10 Operations Orchestration Server &amp; Storage Node (does not include the use of Operations Orchestration clustering functionality)</li> </ul> </li> <li>▪ Includes:               <ul style="list-style-type: none"> <li>- 1 Operations Manager i Event Management Foundation 10 Pack Operations Bridge Nodes</li> <li>- 1 Monitoring Automation for Composite Applications 10 Pack Operations Bridge Nodes</li> <li>- 1 Operations Bridge Reporter Advanced 10 Pack Operations Bridge Nodes</li> <li>- 1 Business Value Dashboard per 1000 Operations Bridge Nodes (for Operations Manager i 10.10 and higher)</li> <li>- 1 Operations Orchestration 10 Pack Operations Bridge Nodes</li> <li>- 1 Operations Bridge Topology Based Event Correlation Add-on 10 Pack Operations Bridge Nodes</li> <li>- 1 Operations Analytics Ultimate Edition 10 Pack Operations Bridge Nodes (limited to IaaS Analytics)</li> <li>- 1 Business Value Dashboard per 1000 Operations Bridge Nodes (for Operations Manager i 10.10 and higher)</li> <li>- 1 Cloud Optimizer Premium Edition 10 Pack Operations Bridge Nodes</li> </ul> </li> </ul> |

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|--|--|---|
|  | <ul style="list-style-type: none"> <li>▪ Operations Bridge System Collector Add-on 10 Operations Bridge Node Pack</li> <li>▪ 1 Cloud Service Automation 10 OS Instance Pack</li> <li>▪ 1 Operations Orchestration 10 OS Instance Pack</li> <li>▪ 1 IT Business Analytics Casual Named User and 1 IT Business Analytics Power Named User</li> <li>▪ 1 Enterprise Maps Named User</li> <li>▪ 1 Helion OpenStack 10 OS Instance Pack</li> <li>▪ 1 Codar 10 OS Instance Pack</li> <li>▪ 1 Helion Stackato 20 GB Pack Starter Pack</li> <li>▪ 1 Propel Portal Premium Edition 10 User Pack</li> </ul> | <ul style="list-style-type: none"> <li>- 1 Universal Discovery 10 Pack Operations Bridge Nodes</li> <li>- 1 Universal CMDB Automated Service Modeling Mapped Service</li> <li>▪ Limited to Cloud Analytics</li> <li>▪ Limited to Cloud Assessment</li> <li>▪ Limited to 20 GB total per Implementation of this Suite</li> </ul>   |
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| Hybrid Cloud Management Suite Ultimate Edition 10 Unit Pack ** | <ul style="list-style-type: none"> <li>▪ 1 Cloud Service Automation 10 OS Instance Pack</li> <li>▪ 1 Operations Orchestration Virtual Machine 10 Node Pack</li> <li>▪ 1 IT Business Analytics Casual Named User and 1 IT Business Analytics Power Named User</li> <li>▪ 1 Cloud Optimizer Premium Edition 10 OS Instance Pack</li> <li>▪ 1 Universal CMDB Foundation</li> <li>▪ 1 Codar 10 OS Instance Pack</li> </ul>   | <ul style="list-style-type: none"> <li>▪ For this Suite, 1 Unit equals:               <ul style="list-style-type: none"> <li>- 1 Operating System Instance, or</li> <li>- 5 Containers, or</li> <li>- 5 Public Cloud Service Instances, or</li> <li>- 10 Edge Devices / IoT Nodes</li> </ul> </li> <li>▪ 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.</li> <li>▪ Use of IT Business Analytics is limited to Cloud Analytics.</li> </ul>   |

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| Hybrid Cloud Management Suite Express Edition Version 2 10 Unit Pack ** | <ul style="list-style-type: none"> <li>▪ 1 Cloud Service Automation 10 OS Instance Pack</li> <li>▪ 1 Operations Orchestration Virtual Machine 10 Node Pack</li> <li>▪ 1 Universal CMDB Foundation</li> <li>▪ 2 Universal Discovery Units or 1 Universal Discovery Inventory 10 OS Instance Pack (limited to cloud discovery)</li> </ul> | <ul style="list-style-type: none"> <li>▪ For this Suite edition, 1 Unit equals:               <ul style="list-style-type: none"> <li>- 1 Operating System Instance, or</li> <li>- 5 Containers, or</li> <li>- 5 Public Cloud Service Instances, or</li> <li>- 10 Edge Devices / IoT Nodes.</li> </ul> </li> <li>▪ 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.</li> <li>▪ Use of Universal Discovery is limited to the environment managed by Hybrid Cloud Management Suite and Cloud Service Automation. The use of the Universal Discovery data is only to support the cloud server onboarding use case in HCM Suite. The discovered data resulting from this use case cannot be used for any other purpose, nor can it be independently replicated and used in any other Micro Focus or 3rd Party application, without support of a corresponding number of UD unit licenses.</li> <li>▪ Each ITOM Suite includes 20TB of Vertica storage. Storage is measured in Raw Data Size for data stored in Vertica and License is permitted to use with ITOM Suite data and any external data that is used in conjunction with ITOM data for customer insight. An additional Vertica Expansion license is required additional data capacity. End-customer's third-party tools are permitted to access data stored in Vertica.</li> <li>▪ Each Vertica Expansion Add-on license include 5TB of Vertica storage and permits ITOM suite license to divide the Add-on aggregate capacity as required within a single ITOM suite or across multiple ITOM product suites for a given Vertica cluster. The Vertica Expansion Add-on SKU for Micro Focus ITOM Products is only available for Vertica version 9.1 or higher. End-customer's third-party tools are permitted to access data stored in Vertica.</li> </ul> |
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