HP Universal CMDB, Universal Discovery, and UCMDB Configuration Manager Software Licensing and Configuration Guide

Document Summary

This document is intended for HP customers to clarify the different components of HP Universal Configuration Management Database (UCMDB), HP Universal Discovery (UD), and HP Universal CMDB Configuration Manager (UCMDB-CM) software, to define how to configure and license the products.

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Product Acronyms

Acronym	Expanded name	Comment
LTU	License to Use	What is received when a product SKU is purchased
UOM	Unit of Measure	Used to define how each product is licensed and to count the number of LTUs needed
OSI	Operating System Instance	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.
MDR	Managed Data Repository	A repository of data that can be a third party product or custom built and provides data about managed resources (for example, computer systems, application software, and buildings), process artifacts (for example, incident records and request for change forms), and the relationships between them.
UCMDB	HP Universal Configuration Management Database	
UD	HP Universal Discovery	
UDI	HP Universal Discovery Inventory	
UDA	Universal Discovery Agent	
UCMDB-CM	HP Universal CMDB Configuration Manager	
RUM	Real User Monitor	Passive (Real Time) Discovery
DDMA	HP Discovery and Dependency Mapping Advanced Edition software	
DDMI	HP Discovery and Dependency Mapping Inventory software	

Product Offering Overview

There are several offerings associated with these products.

Universal CMDB Foundation

The Universal CMDB provides a foundational capability for HP Universal Discovery Inventory (UDI), HP Universal Discovery full version (UD), HP Service Manager (SM), and HP Asset Manager (AM). The UCMDB contributes to the HP BSM suite as an embedded component – the Run-time Service Model (RTSM) – in HP Application Performance Manager (APM). It is also a core component of the HP Cloud Service Automation (CSA) solution.

Customers that have purchased UDI, UD, SM, AM, BSM or CSA receive specific rights under the UCMDB Foundation license:

- The right to install and use the UCMDB Server.
- The right to install and use the Data Flow Probe.
- The right to use the UCMDB UI.
- The right to install and use the standard edition of the UCMDB Browser.
- The right to integrate any HP product with UCMDB.
- The right to interface UCMDB with specialized systems like an LDAP server, an E-mail server or a Load Balancer.

Customers that have purchased UD, SM or AM, also receive:

- The right to install UCMDB Configuration Manager and the right to use its base capabilities.

These rights are granted at **no charge** and are governed by the following rules:

- There is no license restriction to the number of UCMDB Server instances or the number of Data Flow Probes that may be deployed in a customer environment for the purpose of implementing development, test, production, high availability and/or disaster recovery platforms[1].

- There is no license restriction to the number of users that may run the UCMDB UI or the standard edition of the UCMDB Browser for the purpose of managing UCMDB and/or accessing the data stored in UCMDB or federated by UCMDB[2].

- There is no license restriction to (a) the number of CIs that may be replicated or federated between UCMDB and other HP products, or (b) the number of CIs that may be stored in UCMDB[3].

- Integrations may use out-of-the-box HP adapters, the Generic Database adapter, the Generic Push adapter, the UCMDB Java API and the UCMDB Web Services API[4].

- Customers can develop custom Java adapters but not custom Jython adapters – unless they have a Universal Discovery license.

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[1] There is however a technical limit to the number of probes that can be attached to a single UCMDB Server instance.
[2] There is however a technical limit to the number of concurrent users who can interact with a single UCMDB Server instance.
[3] There is however a technical limit to the number of CIs that can be stored in and managed from a single UCMDB Server instance.
[4] Out of the box adapters support the exchange of data with other instances of UCMDB, HP Service Center/Service Manager, HP Asset Manager, HP DDM Inventory, HP NNMi, HP Storage Essentials (SE), HP Systems Insight Manager (SIM), HP Operations Orchestration (OO) and HP Server Automation (SA). Integration points for these HP products can all be configured from the Integration Studio in the UCMDB UI, except for the SA and OO products.

HP UCMDB 10.00+ Foundation Entitlement
HP UCMDB 10.00+ Foundation including Federation and CM Topology Entitlement

Universal CMDB Configuration Manager

The UCMDB Configuration Manager (UCMDB-CM) provides a base configuration management capability as well as advanced configuration management capabilities. The right to use the base capability is automatically granted to customers that purchase HP Universal Discovery (UD), Service Manager (SM), or Asset Manager (AM). As with the UCMDB Foundation, this right comes at no additional charge. The advanced capabilities of UCMDB-CM come in the form of two licensable modules: Advanced Configuration Manager (starting with UCMDB-CM version10.0) and Automation Risk Visualizer (which is available only to customers who purchased licenses for it in UCMDB-CM version 9.x).

The two chargeable modules for UCMDB-CM are licensed as follows:

- **Advanced Configuration Manager** is licensed by **Operating System Instance** (OSI). A minimum purchase of 100 OS Instances is required. Advanced Configuration Manager is offered as a perpetual license or as a one year term license. Licensees who purchase Advanced Configuration Manager (available starting in UCMDB-CM 10.0) are entitled to the following advanced functionality: environment segmentation analysis, similarity policies, topology policies, and pre-defined out-of-the-box policies. To leverage this functionality, licensee should license Advanced Configuration Manager for the number of OS Instances in HP Universal CMDB.

  Perpetual Licenses
  UCMDB Configuration Manager Advanced Configuration Manager per OS Instance*

  Term Based Licenses
  UCMDB Configuration Manager Advanced Configuration Manager per OS Instance – 1 year*

- **Automation Risk Visualizer** (available only to customers who purchased licenses for it in UCMDB-CM version 9.x) is licensed by **Transaction**: A transaction refers to a request the user initiates in the Automation Risk Visualizer module to assess the risk of executing a HP Operations Orchestration automation flow.

  Perpetual Licenses
  HP UCMDB Configuration Manager Automation Risk Visualizer 500 Transactions per month Software (available only to customers who purchased licenses for it in UCMDB-CM version 9.x).

  * Minimum initial purchase of 100 units

Universal CMDB Third Party Integration

Customers that have received the UCMDB Foundation as part of an HP product or solution can purchase a UCMDB Third Party Integration license to integrate third-party Managed Data Repositories (MDR) to the UCMDB. The data flows covered by this license include the population of CI data[5] from a third-party MDR to UCMDB, the push of CI data from UCMDB to a third-party MDR, federation of data to the UCMDB, and any form of programmatic interaction between UCMDB and a third-party MDR that leads to physical duplication of CI data. Starting with UCMDB v10.0, this "HP UCMDB Third Party Integration" offering is based on a set number of third party Managed Data Repository (MDR) tiers.

The following third-party MDRs (products) can be integrated with UCMDB out of the box: the BMC Atrium CMDB, the CA CMDB, Microsoft SMS/SCCM, Troux Technologies, Aperture Vista, ServiceNow, EMC Control Center, and Software AG [IDS Scheer] ARIS[6]. All these integrations require the UCMDB Third Party Integration license.

In addition, the following integration tools: Import from CSV file, Import from Database, Import from Excel, and Export to XML; can be activated from the UCMDB Integration Studio[7]. These tools require a UCMDB Third Party Integration license.

Universal CMDB Third Party Integration is available in three tiers based on the number of **Managed Data Repositories**:
- UCMDB Third Party Integration Entry License - Customers are entitled to integrate with up to 2 third party MDRs.
- UCMDB Third Party Integration Intermediate License - Customers are entitled to integrate with up to 7 third party MDRs.
- UCMDB Third Party Integration Enterprise License - Customers are entitled to integrate with up to 200 third party MDRs.

Perpetual Licenses
UCMDB Third Party Integration 2 MDR
UCMDB Third Party Integration 7 MDR
UCMDB Third Party Integration 200 MDR

Upgrade Licenses
UCMDB Third Party Integration - Upgrade from 2 MDR to 7 MDR
UCMDB Third Party Integration - Upgrade from 7 to 200 MDR
UCMDB Third Party Integration - Upgrade from 2 MDR to 200 MDR

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[5] CI = Configuration Item
[6] The integration points for these third-party products can all be configured from the Integration Studio in the UCMDB UI.
[7] The minimum required configuration is UCMDB 9.04 and Content Pack CP10.

Universal Discovery

Universal Discovery can be purchased with a perpetual license or with a three-month, six-month, or one-year term license. The term licenses for UD offerings deliver the same functionality as the UD perpetual license but they are time bound and intended to support Data Center Transformation projects or similar initiatives. HP Universal Discovery and HP Universal Discovery Term offerings are licensed by **Operating System Instance** (OSI) whether the OS Instance is hosted on physical or virtual computing devices in the environment, including, but not limited to laptops, PCs, servers, and virtual machines.

There are also SKUs for customers who currently have DDMA and DDMI and want to upgrade to UD, as well as for customers looking to migrate from DDM Standard, DDMI Standard, and DDMI Topology to Universal Discovery.

Universal Discovery is available in two versions:

UD (Inventory version) – Customers having inventory discovery, are limited to running discovery via the "Zone-Based Discovery" section using the "Infrastructure" and "Inventory Discovery" activities only. Discovery Modules/Jobs section is prohibited as well as the creation of any new custom discovery content.

UD Inventory capabilities include:
• 	Agentless / Agent-based Active Discovery
• 	Basic Network Discovery
• 	Scanner-based and Basic (remote scripting) Inventory Collection [Hardware and Software + Software Utilization]

Perpetual Licenses
Universal Discovery Inventory per OS Instance (sold in packs of 100 OSI)

Term Based Licenses
Universal Discovery Inventory per OS Instance - 1 year (sold in packs of 100 OSI)

Upgrade Licenses
HP DDM Inventory Standard to Universal Discovery Inventory per OS Instance (sold in packs of 100 OSI)
HP DDMI Topology to Universal Discovery (Full Version) per OS Instance*
Universal Discovery Inventory to Universal Discovery per OS Instance* (sold in packs of 100 OSI)

UD (Full version) – Customers having UD Full Version have all the capabilities of UD Inventory version plus:
• 	Use all the OOTB Discovery Activities in the "Zone-Based Discovery" to perform discovery [including Custom Activity].
• 	Use the Job/Modules section to perform any discovery.
• 	Customize, create and run your own discovery.
• 	The additional content includes (but not limited to): Cloud and Virtualization, Clustering and Load Balancers, Detailed DB/Middleware/Enterprise Applications/multi-tier interdependencies discovery. All content is geared toward configuration management and mapping of your data center environments.

Perpetual Licenses
Universal Discovery per OS Instance* (Full Version)

Term Based Licenses
Universal Discovery per OS Instance - 3 Month*
Universal Discovery per OS Instance - 6 Month*
Universal Discovery per OS Instance - 1 year*

Upgrade Licenses
HP DDM Standard Edition to Universal Discovery per OS Instance*

* Minimum initial purchase of 100 units

UD Passive Discovery Probe

The HP Real User Monitor (RUM) 9.20 is being used as the passive discovery probe to complement passive discovery capabilities. Universal Discovery integrates to the UD passive discovery probe (aka RUM Probe) that is plugged into a data center router/switch. The Passive Probe captures information through a SPAN (or mirror) port or a network tap to provide Just-In-Time discovery functionality. Administration and management of the passive probe integration is achieved through the Universal Discovery's User Interface, once again reducing the need for additional UIs when performing administration tasks for all of UD's functions and features.

Integration requires owning RUM Probe licenses. Only the BSM RUM Probe is necessary. The number of RUM probes needed is dependent upon actual monitored traffic.

Existing RUM customers are entitled to use this integration with no additional RUM licensing costs.

> ### Perpetual Licenses
> BSM Real User Monitoring Probe

Appendix

Additional License Authorizations (ALA)

Additional License Authorizations can be downloaded for products of from Software Support Online at
http://support.openview.hp.com/contracts_licensing.jsp