HP OSS Software

HP Unified OSS Console V1.3.0

Release Notes

for the Red Hat Linux Operating Systems

July 2015

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Chapter 1
Preface

These Release Notes describe information related to HP Unified OSS Console V1.3.0 Please read this document before installing or using the OSS-Console.

1.1 Intended Audience

This document is intended for UOC users, who will use or administrate the HP Unified OSS Console platform.

1.2 Software Versions

Server:

Software	Version	OS	Database
UOC Server	1.3	Red Hat Linux 5.x or 6.x X86-64bit	Optional for topology maps or DB adaptor - Oracle 11.2.x - H2 1.4.180 - MySQL 5.1 + - Vertica 7.0.x - MS SQL Server 2012 with JDBC Driver 4.0 for DB adaptor

Web Browser:

Web Browser	Version	Web site
Microsoft Internet Explorer	10 or later	http://windows.microsoft.com/en-us/internet-explorer/download-ie
Mozilla Firefox	17 or later	https://www.mozilla.org/en-US/firefox
Google Chrome	23 or later	https://www.google.com/chrome

1.3 External Dependency

To allow user to view HP TeMIP/UCA alarms and use topology map features on UOC, below external software are required:

HP products:

- TeMIP V6.2
- TWS V6.1
- NOM V7.1 or 7.2

- TeMIP CA V2.1 or V2.2
- UCA-EBC 3.2
- UOC Core 2.1

External products:

- Tom Sawyer 6.3

1.4 Typographical Conventions

The following textual conventions are used in this document:

- Hyperlinks: Displayed as underlined text e.g.
  http://java.sun.com/javase/downloads/index.jsp

1.5 Associated Documents

- HP Unified OSS Console Version 1.3.0 -User Guide
- HP Unified OSS Console Version 1.3.0 -Installation and Configuration Guide

1.6 Support

Please visit our HP Software Web site at: https://softwaresupport.hp.com/for contact information, and details about HP Software products, services and support.

The Software support area of the Software Web site includes the following:

- Troubleshooting information
- Patches and updates
- Problem reporting
- Training information
- Support program information

Chapter 2
Functional overview

The HP Unified OSS Console (UOC) solution is a data visualization software platform, specialized for Operation Support Systems (OSS). It facilitates the integration of various OSS software systems, and provides state of art centralized web dashboards. It does not intend to replace existing legacy graphical user interfaces (GUIs) from underlying systems, even if it sometimes can. It aims more to present aggregated data, like high level statistics or key performance indicators (KPIs), coming from various sources, within the same web client (or page), with rich real-time and interactive graphics. The data displayed is "real-time" in that it can be updated automatically in matters of seconds or minutes, what makes it useful for Operations.

The HP Unified OSS Console supports business critical service operations and processes. Some typical use cases include:

- A single page real-time dashboard to represent the overall status of the network.
- A consolidated operations portal for an entire OSS solution.
- A Service Network Operations Center (SNOC).
- Executive dashboards.
- Personalized web dashboard, built through configuration with a graphical "drag-and-drop" designer.

Users/viewers can be diverse:

- Network operations teams
- Service quality monitoring teams
- Executives
- Customer care teams or help desk operators
- Whoever, through customized views and data sets

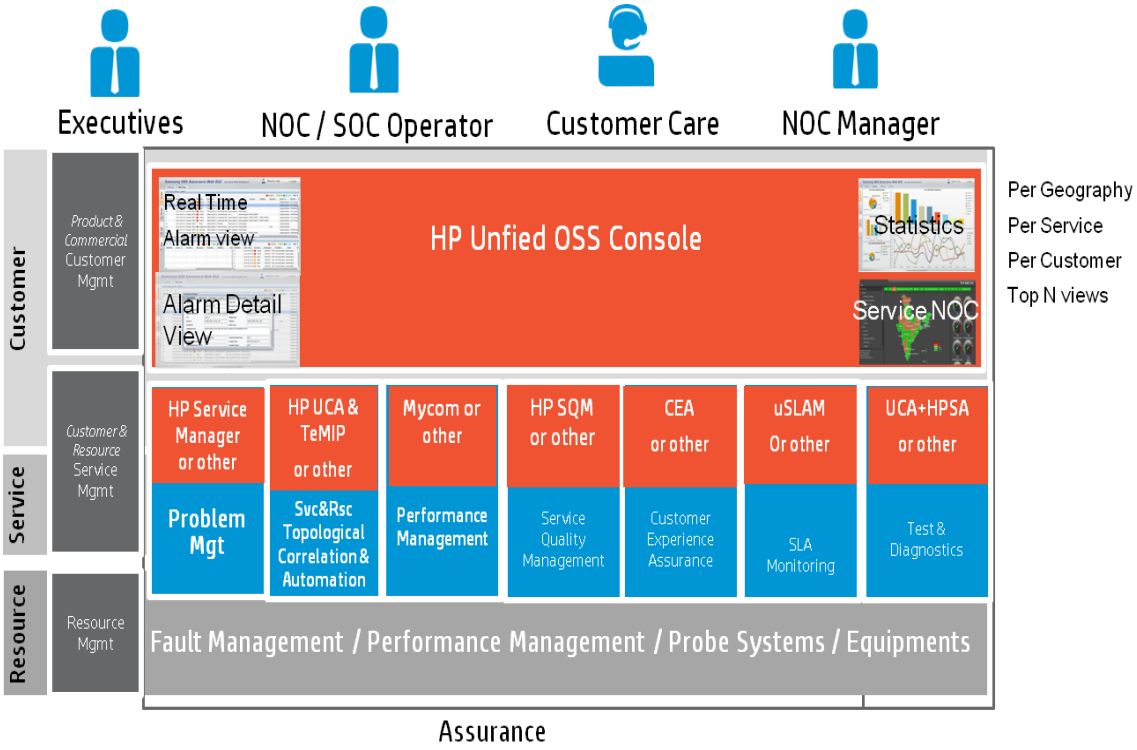

Figure 1: Unified OSS Console overview

The HP Unified OSS Console is a unified data analysis and rendering platform, able to collect data from many backend OSS systems:

- Fault Management Systems (e.g. HP TeMIP)
- Service Quality Management Systems (e.g. HP SQM)
- Performance Management Systems (e.g. Mycom)
- Any other OSS Sources (e.g. Network Inventory system, SLA Management System…)

Based on this data, one can:

- Improve service visibility for operations and business stakeholders—plus their customers—by offering real-time service scorecards and eye catching key performance indicators.
- Build specific and synthetic high level data able to alert for service failures in real time – including Faults, Performance, Service Quality and SLA.

Typically, the collected and aggregated data is presented as charts or tables in standard web browsers (e.g. Internet Explorer, Firefox, Google Chrome).
If there is a need for defining new personalized or precise presentation views, the user can decide either to use the web-based GUI design tool to create those new views or to extend the existing example views in order to meet the business demand.

The HP Unified OSS Console platform includes the following components:

- Desktop/Client: Views, System Management, Locale Resources Manager
- View Designer
- Dashboard Components: Label, Table, Form, Charts, etc…

- Dimension Manager
- Filter Manager
- Server Platform: Server Platform, Presenter, Configuration Management, etc…
- Topology map and GIS maps
- NOM TeMIP Adapter
- CSV adapter
- DB adapter

This user guide document describes all these components in more detail.

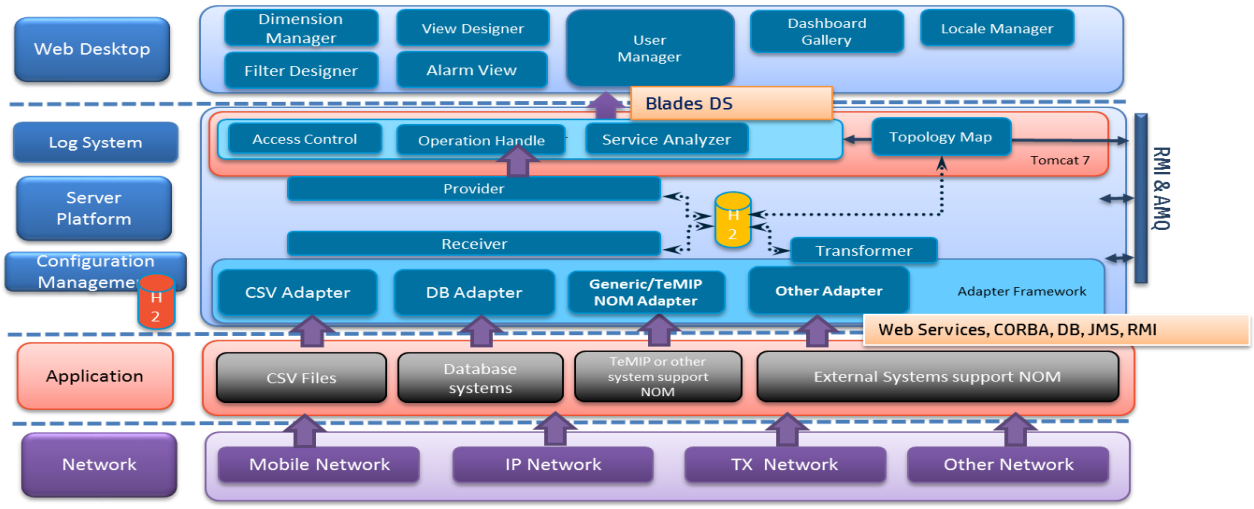

Figure 2: Overall UOC architecture and main components

Figure 3: OSS Console login page

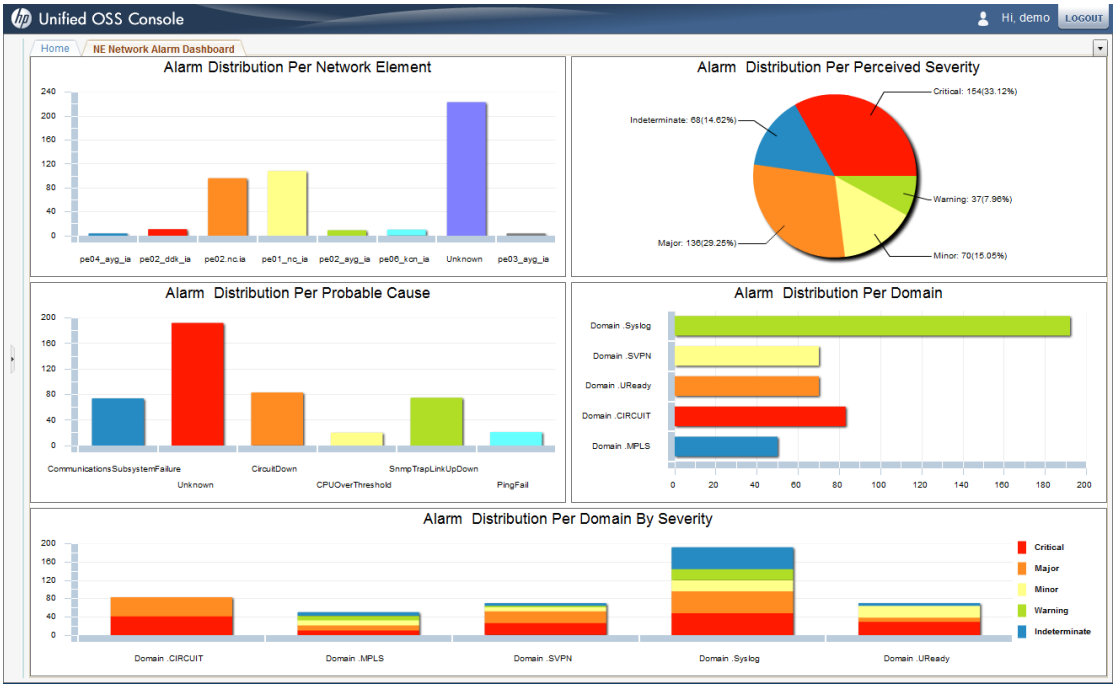

Figure 4: Example view

Figure 5: View designer

Chapter 3
Code Signing

This Software Product from HP is digitally signed and accompanied by Gnu Privacy Guard (GnuPG) key.

3.1 On Red Hat Enterprise Linux platforms

The below mentioned procedure* allows you to assess the integrity of the delivered Product before installing it, by verifying the signature of the software packages.

Pick the signature (.sig) file shipped along with the product and use the following GPG command:

gpg --verify <product.sig> <product>

Example:

gpg --verify uoc-server-package-1.3-linux.tar.sig uoc-server-package-1.3-linux.tar

Look for the comments shown below in the command output **Good signature from "Hewlett-Packard Company (HP Code signing Service)".**

If you are not familiar with signature verification using GPG and intended to verify HP Product signature, follow the steps given below.

1. Check whether gnupg gpg is installed on the system. If no, install gnupg gpg
2. Configure GPG for accepting HP signature. The steps are the following:
    a. Log as root on your system
    b. Get the hpPublicKey from following location: https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=HPLinuxCodeSigning and save it as hpPublicKey.pub
    c. Note that the hpPublicKey file will be located in the root's home directory.
    d. Follow the instruction found at above URL in the "Verification using GPG" section.

	HP strongly recommends using signature verification on its products, but there is no obligation. Customers will have the choice of running this verification or not as per their IT Policies.

Chapter 4
Installation, Uninstallation and Configuration

The HP Unified OSS Console V1.3.0 provides a dedicated Installation and Configuration Guide, please refer to the "HP Unified OSS Console Version - Installation and Configuration Guide" to know how to install, uninstall and configure the HP Unified OSS Console product.
The fully automated installation procedure just takes a few minutes.

Chapter 5
Main changes since last delivery

The previous version of this product was the HP Unified OSS Console V1.2.0

Along with many bug fixes and performance improvements, this new version brings the following features:

New Features:

- Single Sign On (SAML 2.0)
- LDAP integration
- License Check
- User Management Enhancement
    - RBAC model complaint , store in H2 DB
    - Display last login information
    - Strict security management
    - Support MD5 and PBKDF2
- Support Script adaptor
- Support NOM 7.1 and 7.2
- Support User-defined Filter in Topology Map
-

Enhancement:

- Customer logo customization
- Quick icon in menu bar customization
- Table background customization
- Statistic bar customization
- Quick search and filter panel
- Add duration field in filter and search
- Copy cell from alarm view
- Export up to 200K records from view
- Data loading filter in Topology Map

More details can be found in the User Guide document.

Chapter 6
Known Problems and Restrictions

6.1 Known Problems

This section lists problems discovered during the product test campaign and that still have to be fixed in a further version of the HP Unified OSS Console:

Reference	Severity	Problem Synopsis	Comments
CR#13249	High	Service NOC View out of memory when dealing with 60,000 KPI values	The patch will be released to redesign Service NOC view to deal with huge volume data