



HPE Unified OSS Console

Release Notes

Release 2.2

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Hewlett Packard
Enterprise

Notices

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Preface

About this guide

These Release Notes describe critical information related to the HPE Unified OSS Console product.

Please read this document before installing or using this Software

Audience

Here are some recommendations based on possible reader profiles:

- Administrator
- Operators
- Value Pack Designer
- Dashboards / Views Designer
- Integrator and Delivery teams
- Add-ons Developers

Software Versions

The term UNIX is used as a generic reference to the operating system, unless otherwise specified.

Product Version	Supported Operating systems / pre-requisite
HPE Unified OSS Console V2.2.0	Red Hat Enterprise Linux Server release 6.5 <ul style="list-style-type: none"> • NodeJS 0.10.40 (pre-requisite – not supported by HPE) • CouchDB 1.6.0 (pre-requisite – not supported by HPE)
HPE Unified OSS Console V2.2.0 – Add-on OSS Analytics V1.1	Red Hat Enterprise Linux Server release 6.5 <ul style="list-style-type: none"> • NodeJS 0.10.40 (pre-requisite – not supported by HPE) • CouchDB 1.6.0 (pre-requisite – not supported by HPE)

Table 1: Software Versions

Associated Documents

The following documents contain useful reference information:

- HPE Unified OSS Console V2.2.0 – installation Guide
- HPE Unified OSS Console V2.2.0 – User Guide

Support

Please visit our HPE Software Support Online Web site at <https://softwaresupport.hp.com/>

For contact information, and details about HP and HPE Software products, services, and support.

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

- Downloadable documentation.
- Troubleshooting information.
- Patches and updates.
- Problem reporting.
- Training information.
- **Support program information.**

Security Alert

It is recommended to follow up the security alerts subscribing to dedicated newsletter. Do not forget that NodeJS and Apache CouchDB are pre-requisite not supported by HPE, and you are in charge of updating these products if needed.

Many security web sites may help you, including:

- NodeJS: <https://nodejs.org/en/security/> and <http://blog.nodejs.org>
- NodeSecurity Project (<https://nodesecurity.io/>)
- Node.js Security Twitter: <https://twitter.com/nodesecurity>
- Google Group : <http://groups.google.com/group/nodejs-sec>



NOTE: Node JS (<http://nodejs.org>) and Apache CouchDB (<http://couchdb.apache.org>) are pre-requisite not supported by HPE.

Please go to official web sites for details, documentation, patches, updates, security alerts... it is strongly recommended to subscribe to Node Security news to monitor the security issues. If you cannot find the right package to install, please contact the support team that will help you.



IMPORTANT: The customer is responsible for installing OS Security patches to secure the Unified OSS Console products. It is strongly recommended to subscribe to the Security Bulletins. Please check the Security Guide chapter in the Installation and Configuration Guide.

Chapter 1

New features in V2.2

Many enhancements and new features have been integrated in this version since V2.1:

- **Open Sources upgrade.** See Installation and Configuration Guide to get the latest version.
- **Guidelines and recommendation to integrate an open source Load Balancer** in the solution (HAProxy) – See Installation & configuration Guide.
- **Multi Tenancy Support** (integration of Tenant Identifier in the UOC unified security model (roles, permissions, users, workspaces, views, categories, launches).
- **Security certification and Security Improvement.** Secure the UOC Server with additional security setting and middleware (Content Security Policy middleware, secure HTTP headers, CSRF token middleware, validators...)
- **Configure HTTP POST Body Parser** setting
- Support **automatic import of local multiple data file** (directory DATA) for users, roles, permissions, launches, categories, launch categories... to ease add-ons installation and platform customization.
- **View Management** page are now available to
 - o Manage views of the platform
 - o Browse views by package, domains, state and sort by name or last modification date
 - o Create new views or edit existing ones through the View Designer
 - o Export a view as a JSON file
 - o Delete a view
 - o Clone a view
- **View Designer.** New tool View Designer (WYSIWYG Editor) to let you build your view in minutes.
- **Generic Plugin Simulator.** The Plugin Simulator uses existing packages (based on the Unified Format), and is able to simulate data for dimensions, facts or object types (CRUD operation). It definitively eases Demo/PoC, training, development and prototyping. Two samples packages are provided with their associated Views and workspaces. Several generation rules can be used: Play data sample over the time or generate new set of data (smart random generation +/-)
- **HPE Rebranding**
 - o **HPE Light Add-on Theme** is now replacing the legacy hp Theme and obsolete demo theme have been removed.
 - o **New advanced theming mechanism** integrated in the UOC SDK for add-ons developers. More consistent add-ons theme structures. All UOC Components can be customized on demand.
 - o **Updated the User Documentations with HPE guidelines**
- **Relooking of the look & feel** to get a more homogenous views.
- **UOC Start Time improvement** optimizing the loading of small files at startup (in the runtime kit only)
- **User Management has new administration operations: Lock / Unlock** a User in the local Authentication mode only.
- **New gallery of icons for layouts and widgets.**
- **New Launch Keywords** (HPE Data Exchange Services Launch Keyword)
- **All latest fixes** have been integrated since UOC V2.0.x, V2.1.x
- **Core Server: Extend cookies with user information** (id, roles, themes, language...) at plugin level.
- **Migration Script to migrate from UOC V2.1 to UOC V2.2** – See Installation & configuration Guide.
- **Unified OSS Console SDK for Windows.** It contains the development environment and tools useful to write your own add-ons: Plugin, layout, menus, widgets, modules, themes... and setup the automatic tests environment, code quality check, build tasks to speed up add-ons

development and make sure that you follow the mandatory guidelines from development to packaging.

- **New Widgets in charge of the interaction** with the end user like: **Action Button, Action Radio-Button, Action List, Action Menu, Action Menu Grid, Action Dropdown, Action Tree, Action Accordion** to handle in a user friendly way to input action of operators and communicate information to other widgets and define landing pages after login.
- **Integration of HPE Action widgets with unified actions** like workspace/view navigation, launches, request filtering, forms and dialog boxes...
- **Enhanced Widget Map:** It supports Navigation in a hierarchy of maps, Map initialization and area selection driven by input parameter, thresholds definition extension...
- **Enhanced Widget Table:** It is possible to select and export data selection (WIDGET_SELECTIONS) based on a cell of the table
- **Enhanced Widget Gauge:** Support multiple facts and multiple instance. It is also possible to filter invalid values and display set of valid gauges.
- **Widget Charts:** Support click event on series to navigate or export data selection (WIDGET_SELECTIONS). Provide options to have button "Select all / Unselect All" in legend to select/unselect all legend items.
- **Export Report enhancement** to integrate now a date/time of the generation in header.
- **Localization language** can be customized by configuration
- **Add-on OSS Analytics** has been migrated to the new version of UOC and leverage the capabilities from an OSS Analytics Server (OSSA).

Chapter 2

Getting Started

2.1 Pre-requisites

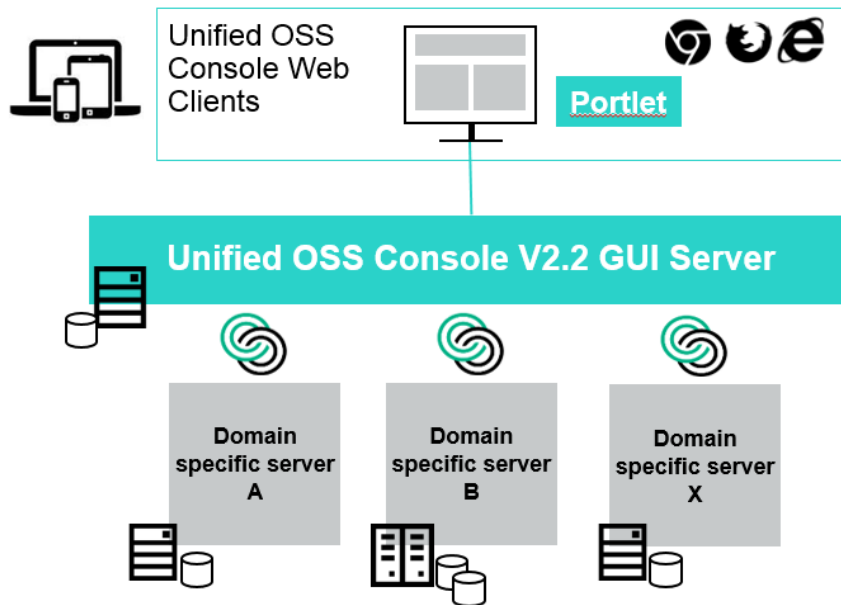


Figure 1 - UOC V2.2 pre-requisites

Simple UOC V2 installation require an installation on a Linux Server (UOC V2 Server), and web browsers as client to this server. It could be a PC, laptop or mobile device.

For complex installation, please refer to the Installation and configuration Guide.

NOTE: The UOC V2 Server supports virtual machine.

It is strongly recommended to read carefully the Installation and Configuration Guide for deployment scenario (small, medium, and large) and check the Load Balancer need in your solution.

2.1.1 UOC Server

The table below lists the recommended hardware requirements for a UOC server installation.

Recommended hardware is: HP ProLiant BL465c or DL360p Gen8

Appropriate sizing is of course subject to real volume of data, throughput and/or number of concurrent users. For an optimum sizing exercise, please contact the product manager.



NOTE: Node JS (<http://nodejs.org>) and Apache CouchDB (<http://couchdb.apache.org>) are pre-requisite not supported by HPE.

Please go to official web sites for details, documentation, patches, updates, security alerts... it is strongly recommended to subscribe to Node Security news to monitor the security issues. If you cannot find the right package to install, please contact the support team that will help you.



IMPORTANT: The customer is responsible for installing OS Security patches to secure the Unified OSS Console products. It is strongly recommended to subscribe to the Security Bulletins. Please check the Security Guide chapter in the Installation and Configuration Guide.

Hardware	Recommended	Optimum
CPU	1x Intel® Xeon® E5-2640 2.5GHz/6-core	Needs sizing
RAM	16 GB	Needs sizing
Hard disk Size	100 GB	Needs sizing
Hard Disk Size	1x 10 Gbps Ethernet Ports on board/Dual Port FC HBA	Needs sizing

Table 2 –Hardware requirements for UOC V2.1 on Linux Redhat 6.5



CAUTION: Hardware requirement will also be driven by the list of domain servers associated to the UOC Server.

2.1.2 Web Browser

Only the following web browser are supported:

Web Browser	Version	Web site
Microsoft Internet Explorer	10 or later	http://windows.microsoft.com/en-us/internet-explorer/download-ie
Mozilla Firefox	V32 or later	https://www.mozilla.org/en-US/firefox
Google Chrome	V37 or later	https://www.google.com/chrome

Table 3: Supported Web browsers

2.1.3 Client PC / Laptop

UOC is fully compliant with mobile device and provide responsive screens.

Requirements	Minimal	Recommended
CPU	2 cores	4 cores
RAM	1 GB	2 GB
WIFI	802.11b/g/n	802.11ac
Display Size	14"	24"

Table 4: Hardware requirements for client PC

2.1.4 Mobile Device

UOC is fully compliant with mobile device and provide responsive screens.

Requirements	Minimal	Recommended
CPU	2 cores	4 cores
RAM	1 GB	2 GB
WIFI	802.11b/g/n	802.11ac
Display Size	Any	Tablet 10"

Table 5: Hardware requirements for mobile devices



NOTE: Tooltip may be not visible on some mobile device. These tooltips are usually not well supported by mobile web browser, especially the touch devices.

[See 5.2 Lack of support for tooltip on mobile devices for detailed information.](#)

2.2 Start UOC

Using a web browser, you can start the Unified OSS Console with the following URL:

```
<Protocol>:<host>:<port>
```

NOTE: These parameter depends on the install and configuration done by the platform administrator. Protocol can be http or https (recommended)

Ex: <http://myhost.mydomain.com:3000>

The locale of the web browser will be detected and use for the UOC if this locale is available. If not, the platform preference set by an administrator will be used, and if non language are supported, English (En-us) will be used.

NOTE: Port 3000 is the default production setting and can be changed. Please refer to the installation and configuration guide to customize the UOC Server Protocol, port, and certificates

NOTICE: It is normal that the first time, it can take longer than usual to display the login. A lot of remote files will be cached for the next launch of the application.

The first page is the authentication page. If you setup the authentication mode with SAML, your identity provider will display the login page.

If you used the built-in local authentication (without SSO support), you will have the internal login page.

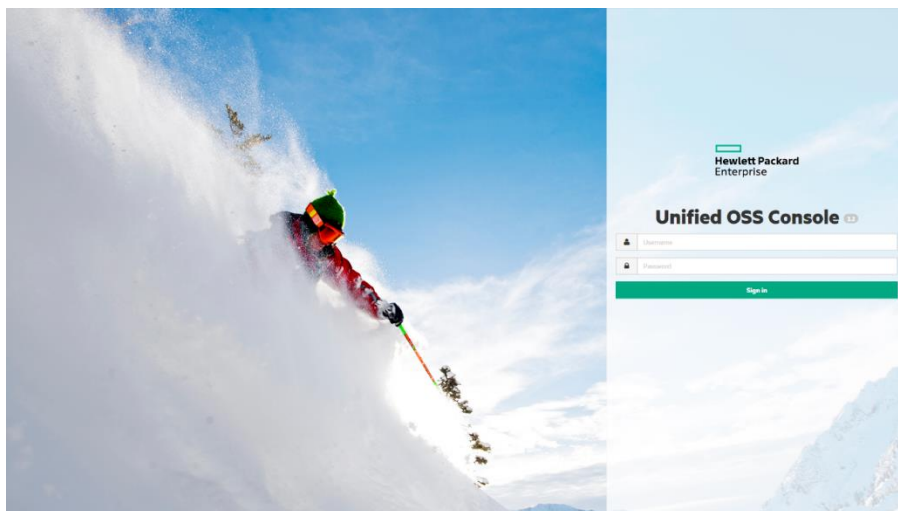


Figure 2 – Sign in page with the local authentication mode

After entering the user name and your password, the user is authenticated and the UOC application uses the list of associated roles to customize the user interface with the appropriate rights.

Chapter 3

Fixed Problems

This section lists the customer's visible problems that have been fixed since the last release.

Reference / Severity	Component	Description	Comment
657 Medium	Top Table widget	Top table does not support completely L10N for auto-title feature	
681 Medium	Core	URL protection for services accessing CouchDB (create/update/delete)	
688 Medium	Drill up/down Widget	Drilldown up/does not support completely L10N for auto-title feature	
694 Medium	Chart Widgets	Full page mode lose data and require a refresh request	
748 Low	Menu items	Some items in the Administration menu should be moved to a dedicated menu (+ rework the access to the View Designer)	
826 Medium	Widget	Widget configuration cannot be changed if the widget has never had a configuration properly defined in its view JSON definition	
827 Low	Core / Menu bar	Improve UOC's top bar bug fix avoiding the top bar to be displayed on several lines	
835 Low	Core	Language define in the URL is not recognized successfully due to the extension of the user preferences.	
937 Low	Scripts	uoc2 tool with no argument is silent, should report usage instead	
953 High	Core / Startup	Could not connect to OSS Console from IE with new version 2.1.2 (or later)	
962 Medium	Core	Managers (users, roles, launches, ...) must protect their operations with fine grained permissions	
978 Low	Table Widget	hp-ng-table widget displays "nullN/A" instead of "N/A"	
982 Medium	Table Widget	hp-ng-table widget : external sorting broken with server pagination	
986 Medium	Core	userLanguage and theme not always present in cookies send to the plugin server	

989 High	Core	Need a way to configure express options (e.g. bodyParser limit)	
998 Medium	Core	RBAC: User with permission "browse_role" and "edit_role" but without "delete_role" can see the button "DELETE_ROLE"	
1023 High	Core	UOC2 server should reply with http 404 for non-existing routes	
1036 Low	Aggregation table Widget	Aggregation table - data display issue (object/object)	
1071 Medium	Highcharts Widgets	The clear chart button does not work properly	
1075 Medium	Top table Widget	Multi query does not work when clicking on a header of the top table or a header of a row	
1076 Low	Aggregation table Widget	The button "show as group" does not work properly	
1080 Medium	Core	Widget toolbar template is injected even if no button is displayed causing excess margin	

Table 6: Fixed Problems

Chapter 4

Known Problems

This section lists problems discovered during the product test campaign and that still have to be fixed.

Reference / Severity	Component	Description	Solution/Suggested workaround
Medium 672	Chart Widgets	<p>Highcharts is unable to refresh properly chart configuration change in the case a property was deleted.</p> <p>How to reproduce:</p> <ul style="list-style-type: none"> - choose a workspace with a basic hp-ng-highcharts line chart. - click on the configure widget button, and edit its title color (e.g. pink) - apply - click on the configure widget button again - click on "Reset" button in the bottom of the modal window - apply - the title color should be black, but is in fact pink 	<p>Force a refresh of the page to apply correctly the configuration changes if the issue occurs.</p> <p><i>Note: Bug from Highcharts graphical toolkit library</i></p>
745 Medium	Add-ons Theme	<p>Dynamic theme switch is not supported by charts widget based on highcharts</p> <p>While dynamically switching the theme using the theme selector, the chart widgets do not dynamically their highcharts theme</p> <p>It is a limitation from the</p>	<p><i>Use the platform preference setting to predefine themes for the end user</i></p> <p><i>Note: Limitation from Highcharts graphical toolkit library</i></p>
760 Low	Time Selector	<p>Time Selector - short date format does not work with Firefox.</p> <p>The selected date is not always the correct one</p>	<i>Use a different browser if you see such issue</i>
768 Low	Widget	<p>The export option does not allow the CSV export</p> <p>This issue exist only on Internet Explorer</p>	<i>Do not use Internet Explorer to enable this option</i>

777 Low	Hp-table Widget	Menu used to customize the column visibility / order /... does nto overlap correctly the widget toolbar below when there is few result. It is only a graphical effect. The feature is fully functional.	
806 Low	Widget Time Selector	TimeSelector - Date/Time selection with Start / From could be improved Automatic synchronization between FROM / TO could be supported to ease the user experience	
818 Medium	Core / Startup	OSS Console can be slow the first time after installation. Multiple http requests are done at stratup to initialize all the dynamic librariries on the client side. These requests can beslow the startup of the web browser.	<i>Try to install all the components on a fast network and try to minimize the network lag.</i> Note: UOC V2.2 integrate an optimization to download at startup all dependencies using a big file, instead of multiple download of small files to raise lap issues (see Error! Reference source not found.)
948 Medium	Widget	Widget hp-table does not support localization. the "displayName" of a column cannot take a localization key	<i>Customize each column title with the right text if needed</i>
977 Medium	Widget	TimeSelector - default date format is not driven by language	
964 Medium	User Management (local)	User management page should be hidden in SAML mode	<i>Do not use this administration page. It will not impact your user list.</i>
1048 Medium	Authentication	Logout in SAML mode requires to login twice	

Table 7: Known Problems

Chapter 5

Known Limitations

This section lists potential issue discovered during the product test campaign and seen as limitation and may not be fixed in the final kit.

5.1 Theme Support on widget

Themes are supported by the UOC global theme, and the charts and map widgets (based on Highcharts / Highmaps).

All other widgets may not support completely the theme to apply. Support of all core widgets will be done in a future version.

All widgets that follows the implementation guidelines will leverage the support of the theme.



NOTE: It is strongly recommended to remove or configure correctly **advertising blockers** from the web browser (AdBlock...). They can impact the loading of external modules like Highcharts graphical toolkit

5.2 Lack of support for tooltip on mobile devices

Attribute HTML title (widely used to display information as tooltips) is not very well supported by mobile web browser that do not expose this attribute in an accessible manner as required by the HTML5 specification. So, it may be not useful and not visible due to a lack of support (especially by touch devices).

See <http://www.w3.org/html/wg/drafts/html/master/dom.html#the-title-attribute>

As a limitation in Unified OSS Console, people can have different experience with user interfaces based on the web browser they are currently using and the pointing devices used (mouse, touch...). This is a limitation of current web browser implementation.