hp Unified OSS Console

Unified OSS Console
V2.1

Release Notes

Edition: 1.0

For the Linux (RHEL 6.5)

June 2015

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Preface

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

Please read this document before installing or using this Software.

Intended Audience

Here are some recommendations based on possible reader profiles:

- Administrator
- Operators
- Value Pack Designer
- Dashboards / Views Designer
- Integrator and delivery teams
- Add-ons developper

Software Versions

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

The software versions referred to in this document are as follows:

Product Version	Supported Operating systems / Dependencies
Unified OSS Console V2.1 .0	Red Hat Enterprise Linux Server release RHEL 6.5 NodeJS 0.10.38 CouchDB 1.6.0
Unified OSS Console V2.1.0 – Addon OSS Analytics V1.1	Red Hat Enterprise Linux Server release RHEL 6.5 NodeJS 0.10.38 CouchDB 1.6.0

Table 1 - Software versions

Typographical Conventions

Courier Font:

- Source code and examples of file contents.
- Commands that you enter on the screen.
- Pathnames
- Keyboard key names

Italic Text:

- Filenames, programs and parameters.
- The names of other documents referenced in this manual.

Bold Text:

- To introduce new terms and to emphasize important words.

Associated Documents

- HP Unified OSS Console V2.1.0 - Installation Guide
- HP Unified OSS Console V2.1.0 – User Guide

Support

Please visit our HP Software Support Online 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:

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

Chapter 1

Unified OSS Console V2.1 Features

The HP Unified OSS Console (UOC) solution powered by a modern web architecture to provide a data visualization software platform, specialized for Operation Support Systems (OSS). It is a generic web framework that facilitates the integration of various OSS software systems, and provides modern, responsive and dynamic web dashboards that are able to run on any devices (tablet, phone, desktop…) to represent synthetic, highly summarized views.

It does not intend to replace existing legacy graphical user interfaces (GUIs) from underlying systems. It aims more to present aggregated data or dimensions, like high level statistics or metrics , coming from various sources, various data server within the same web client (or page), with rich real-time and interactive graphics. The data is displayed in “real-time” in that it can be updated automatically in matters of seconds or minutes, what makes it useful for Operations and Analysis dashboards. A lot of features help end user to analyze and navigation through information to fast focus on the right information and help the decision makers.

1.1 Overview

This new version of Unified OSS Console enhance the core product with new features to accelerate new domains integration: Fault analytics Statistics (FAS), NFV Director (NFV-D), NFV Analytics (NFV-A), Test Diagnosis (T&D) and UOC V1.x .

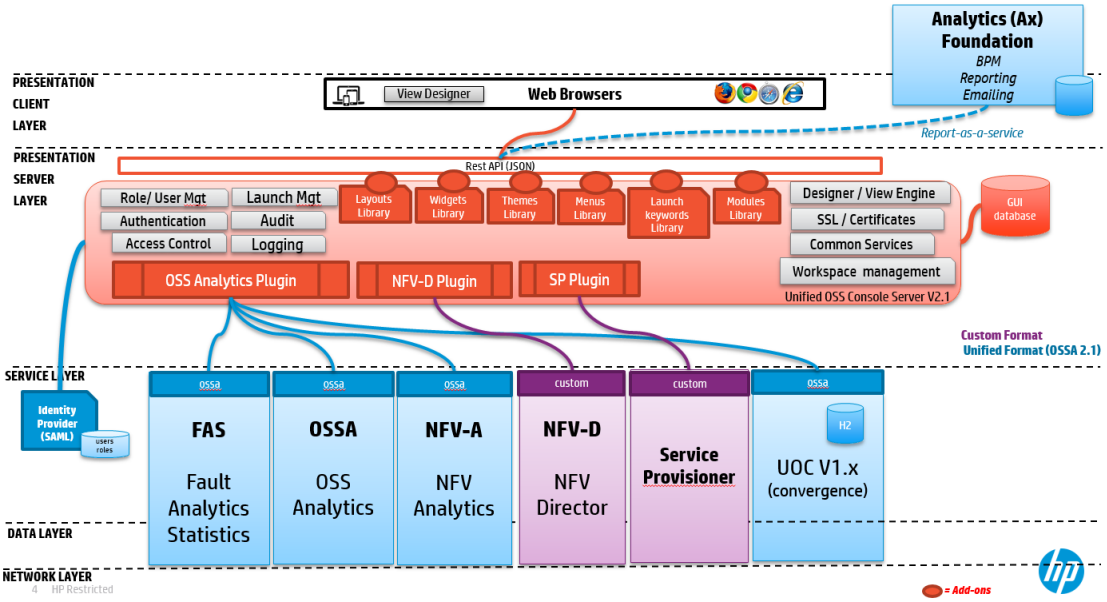


Figure 1 – UOC V2.1 High level architecture

Here are the features provide by this new version:

- Package (or value pack) Enhancement
- OSS Analytics Plugin Enhancement
- Export Report & Report as a Service
- Workspace Look & Feel Enhancement
- New Add-ons Modules
- Launch Management User Interfaces
- Add-ons Theme Enhancement
- New Widgets : Table, Form, Menu Bar, Breadcrumb, TreeMap, Knob Gauge, Launch Tree…
- Advanced features for charts : Multiple charts by series / Multiple data requests / widget selection to ease navigation
- Authentication token to access the REST API (report as service,…)

1.2 Package (value pack) Format Enhancement

Unified format to define packages (value packs) have been extended. The metadata can now associate objects (CUSTOMER, SUBSCRIPTION,…) and also define available operations (CRUD + custom operations).

Note: Object definitons and operations still apply the RABC Security (role based security)

The definition of these objects are requested from the plugin (official RESTAPI) in charge of the value pack (JSON-Schema) with an identifier and version.

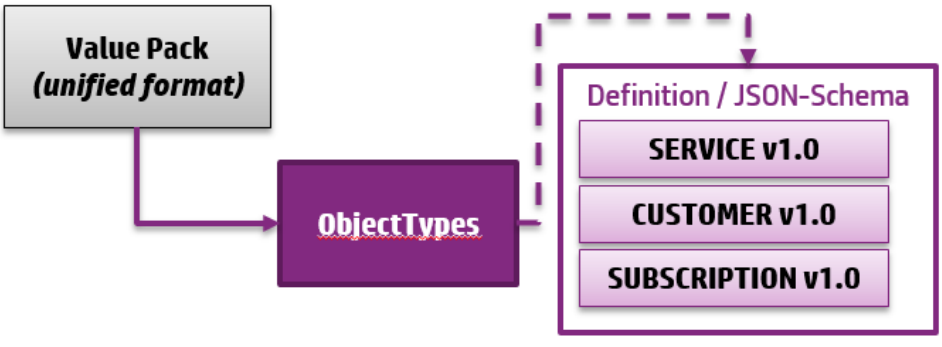


Figure 2 – Objects and operations support in the unified package format

Example of Object definition

```
...
"objectTypes": [{
    "id": "customers",
    "name": "Customers",
    "version": "1.0",
    "description": "Customers of our business",
    "key" : ["name"],
    "roles" : ["User Administrator","Authorized_Operator","Guest"],
    "operations" : [{
      "id": "create",
      "name": "Create",
      "roles": ["User Administrator","Authorized_Operator"]
    },{
      "id": "update",
      "name": "Update",
      "roles": ["User Administrator","Authorized_Operator"]
    },{
      "id": "delete",
      "name": "Delete",
      "roles": ["User Administrator"]
    },{
      "id": "lock",
      "name": "Lock",
      "roles": ["User Administrator","Authorized_Operator"]
    }]
  }
...
```

1.3 OSS Analytics Plugin Enhancement

The plugin OSSA can now manage several data server configuration sharing the the same interface (ex: OSSA)

➔The configuration file has been updated to provide multiple servers ,protocols, ports definition.

➔ During the startup, UOC queries all defined servers to collect all value packs.

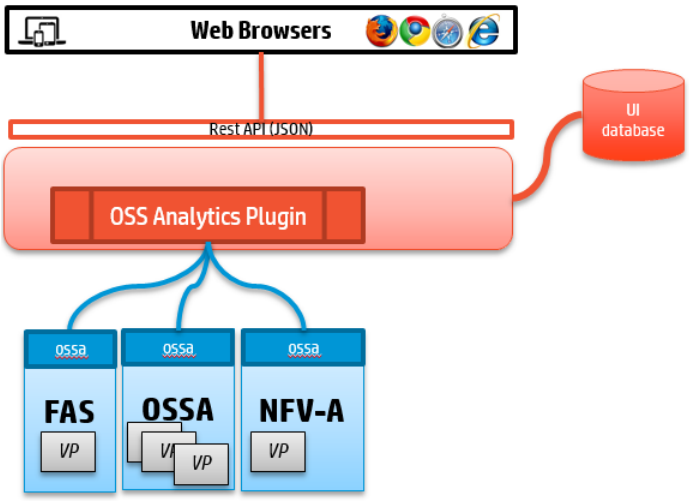


Figure 3 – Multiple servers configuration for OSSA Plugin

Example of OSSA configuration file:
<installdir>\server\public\addons\plugins\ossa

```
{
  "servers": {
   "cea": {
       "protocol": "http",
           "host": "ossv031.gre.hp.com",
           "port": "8080"
   },
   "fas": {
       "protocol": "http",
           "host": "dubaiv1.gre.hp.com",
           "port": "8080"
   }
  },
  "active": true,
  "demo": false
}
```

Note for Add-ons Developper:

The plugin can also bring his own node modules dependencies inside his plugin directory

- *package.json*
- *node_modules under plugin directory*

1.4 Export Report

1.4.1 Report as a Service API

A new RestAPI is available on the UOC server to generate a PDF report ready for download. This API allows to :

- *Export a Workspace as a PDF file.*
- *Allow a set of configuration (size, orientation…)*
- *Multiple views = multiple pages*
- *Remove interactive button and menus*

This API is dedicated to be called by an external system (business engine, scripts,…) like the Analytics foundation solution to get the PDF file, store this file and optionally send email notification.

The UOC Server is only in charge of generating the PDF file through the RESTAPI.

Example: Ex: http://localhost:3000/V1.0/report?uri=/workspaces/myDemo

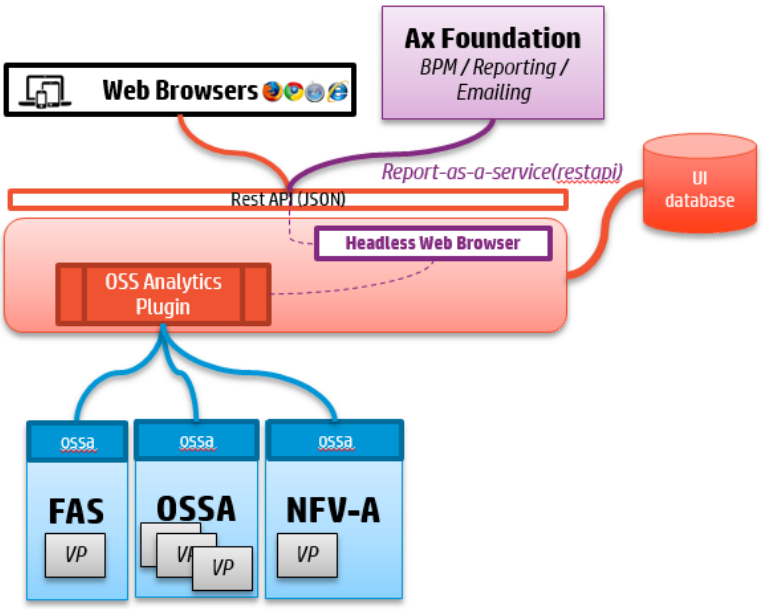


Figure 4 – Report a s a Service RESTAPI

1.4.2 Export Report from the workspace

The end user (if his role has the permission) can export the report as a PDF file from the workspace.

Figure 5 – Export Report from the workspace

1.5 Workspace Look and Feel Enhancement

It is possible now to associate navigation menu inside a workspace, or a breadcrumb to ease position and navigation between views.

- New **widget Menu Bar** to support navigation menu per workspace
- New **widget Breadcrumb** to ease the customization or visibility for view designer
- Extends workspace to support header view (optional) & footer view (optional)

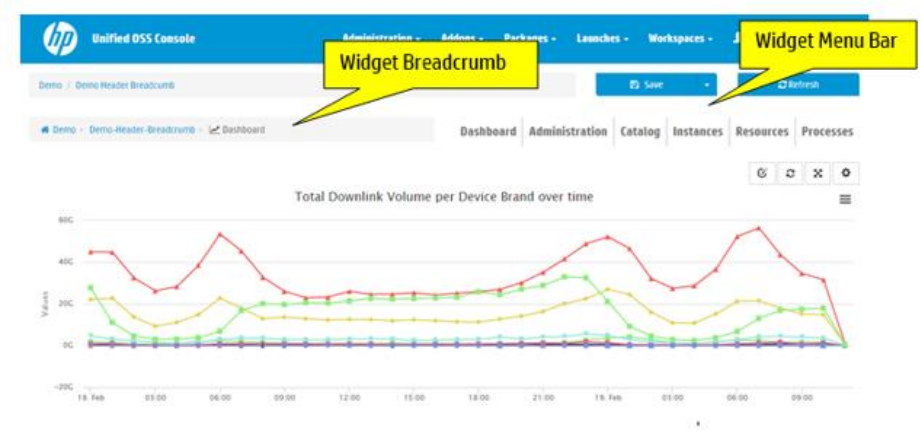


Figure 6 – Widget Menu Bar & widget Breadcrumb integration

The workspace structure now support header view (on top of the workspace content) and a footer (on the bottom of the workspace content)

The header and footer view are global view for the workspace that will be always visible. As a view, it is possible to leverage the layout and widget add-ons library.

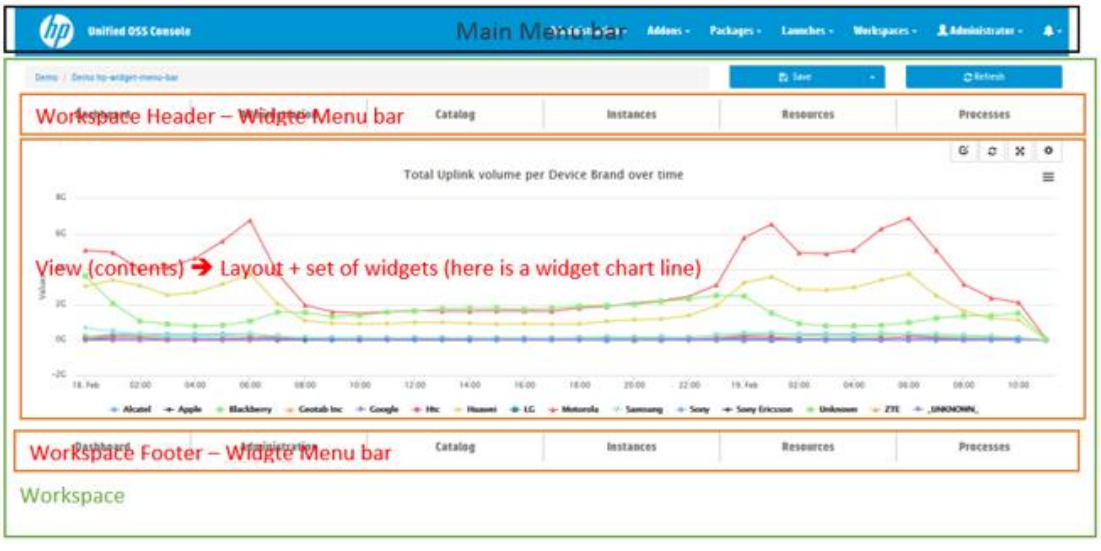


Figure 7 – Workspace header and footer view

1.6 Notification Messages

The Unified OSS Console displays all the end user messages (info, success, error, warning…) in a specific area called the notification message.

The user can filter the list of visible message. By default, all the warning and error message will be notified to the user with a graphical effect and color.

These message supports localization and will be display in the selected language of the user.

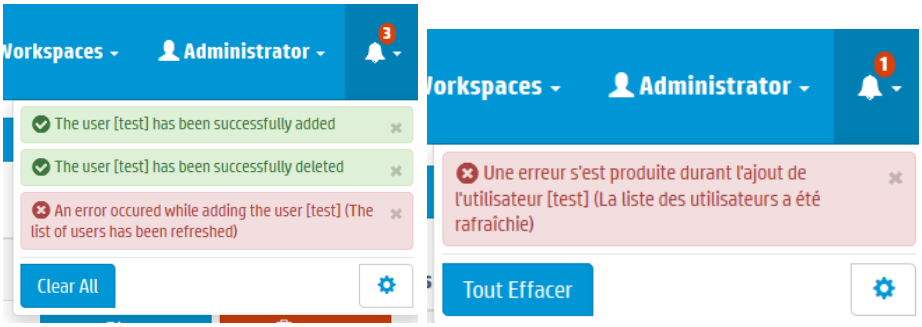


Table 2: Example of notification message

1.7 Add-on Module (New)

A new type of add-ons are now available to provide a very specific and custom code. This new add-ons is dedicated to advanced developer to fill very specific needs.

This module will be used by specific widget like the widget Table to format cells contents.

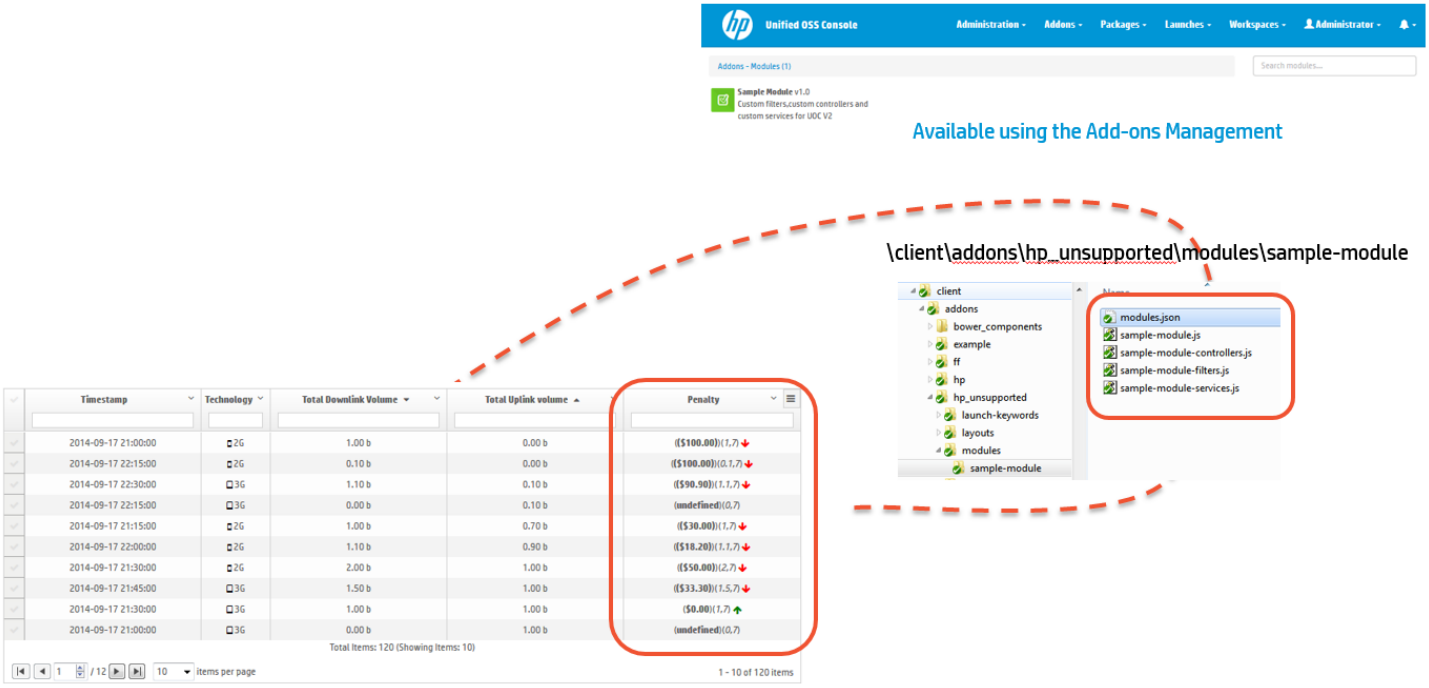


Figure 8 – Example of add-on Module for widget Table

The documentation of each widget will document if these add-ons module are available for customization.

1.8 Launch Administration Enhancement

To access to the new administration page for launch management, the end can go in the Administration menu item.

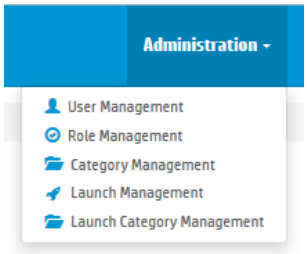


Figure 9 – Administration – Launch Category Management

1.8.1 Launch Category Management

A new GUI administration page is available to let an end user to create, delete, update launch category to organize launches.

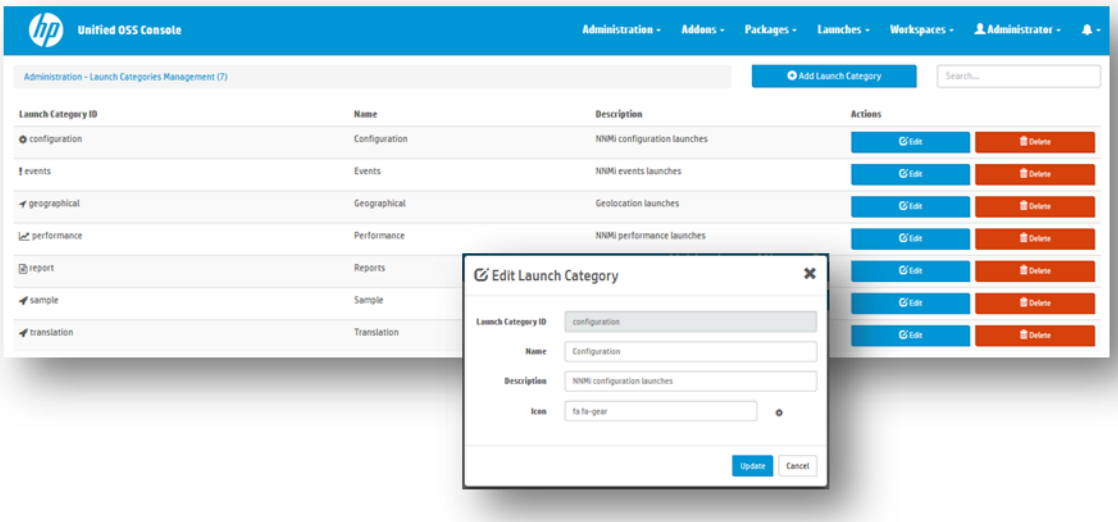


Figure 10 –Launch Category Management GUI

1.8.2 Launch Management

A new GUI administration page is available to let an end user create, delete, update and associate launches (role based security support) using the GUI.

This provide the same level of features as the JSON definition for launches.

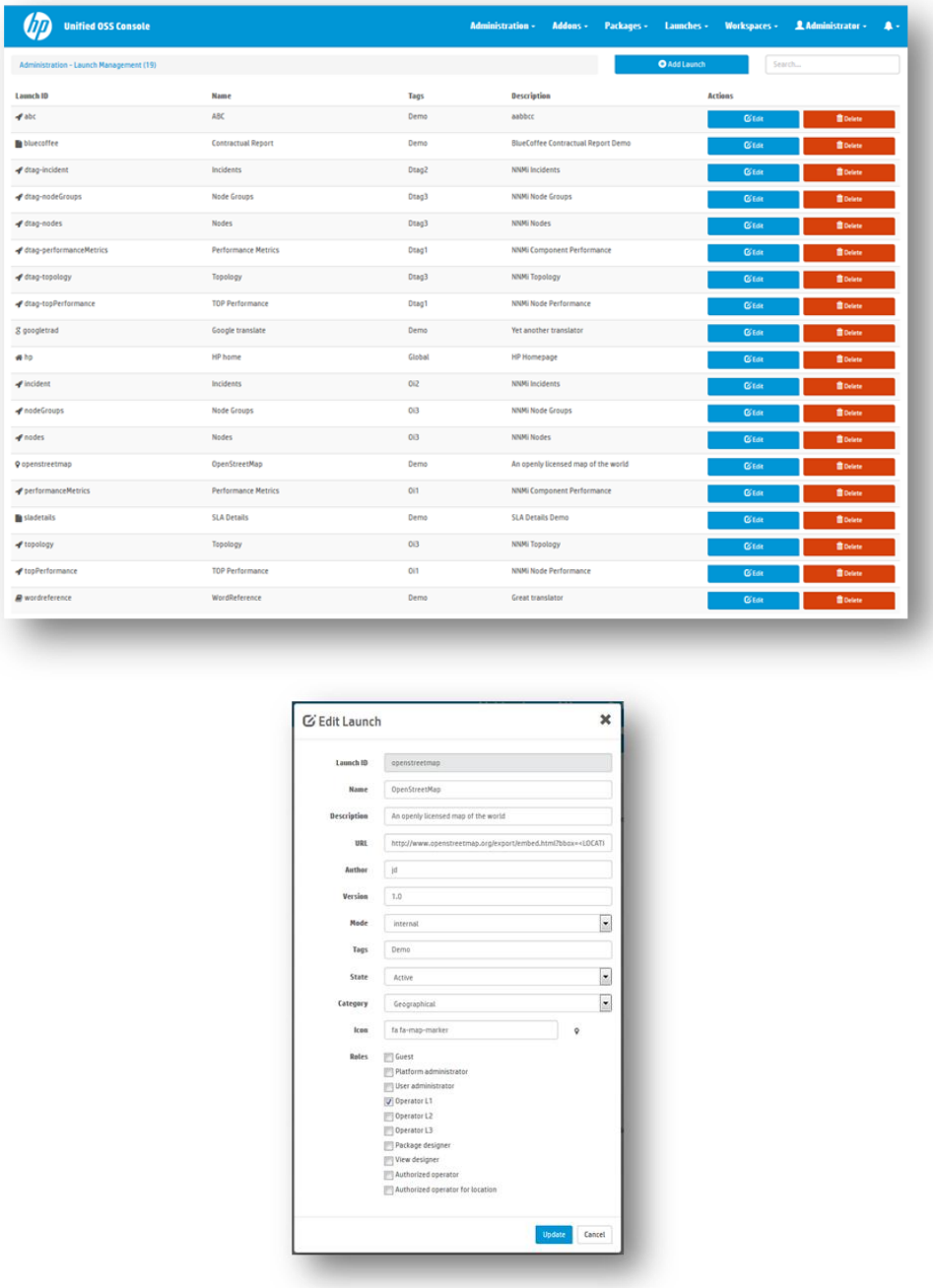


Figure 11 –Launch Management GUI

1.9 Add-on Theme Enhancement

The Add-ons Theme has a new extension to support theme customization for the chart widget library (based on Highcharts) to ease the look & feel customization.

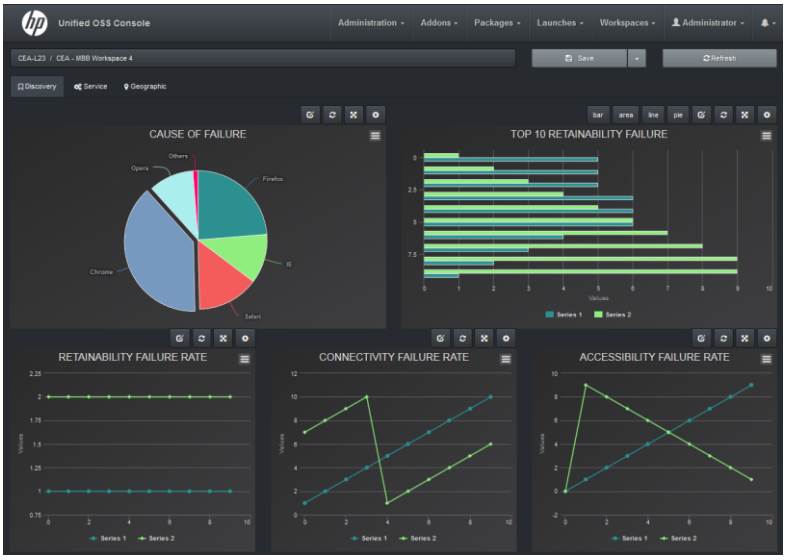
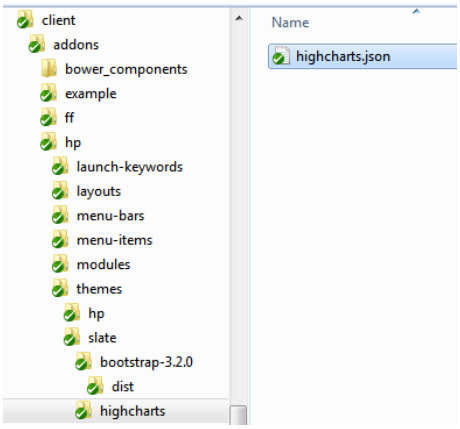


Figure 12 – Theme enhancement – chart widgets support theming

The chart customization is available with a JSON format (highchart theme) under the Add-ons Theme (directory highcharts / file highcharts.json)



Note: the exact format can be found in the Highcharts official website: http://www.highcharts.com/

***Note**: All the widgets does not support the theme change today. This is a know limitation that will be fixed in a future version of UOC.*

1.10 Charts Widget Enhancement

Several enhancement have been implemented in this version of Unified OSS Console.

1.10.1 Multiple charts by series

Charts widget like Lines can be now display using several instances instead of displaying all in one chart. For example, it is now possible to display one chart by instance of the requested dimensions.

Example of single chart instance

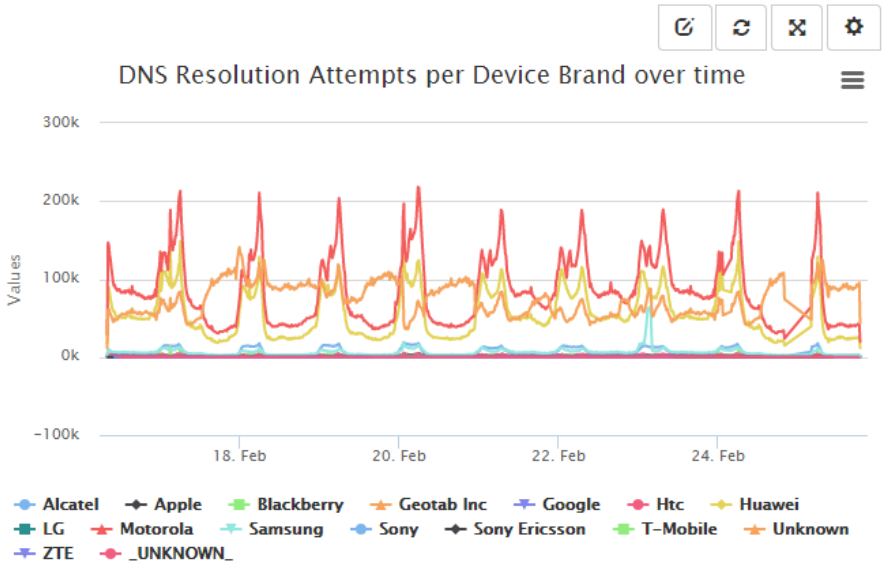


Figure 13 – Chart enhancement – Single chart instance

All the serie returned by the request are displayed on the same graph.

Example of multiple chart instances

It means one chart will be used by instance. We only display one line per chart.

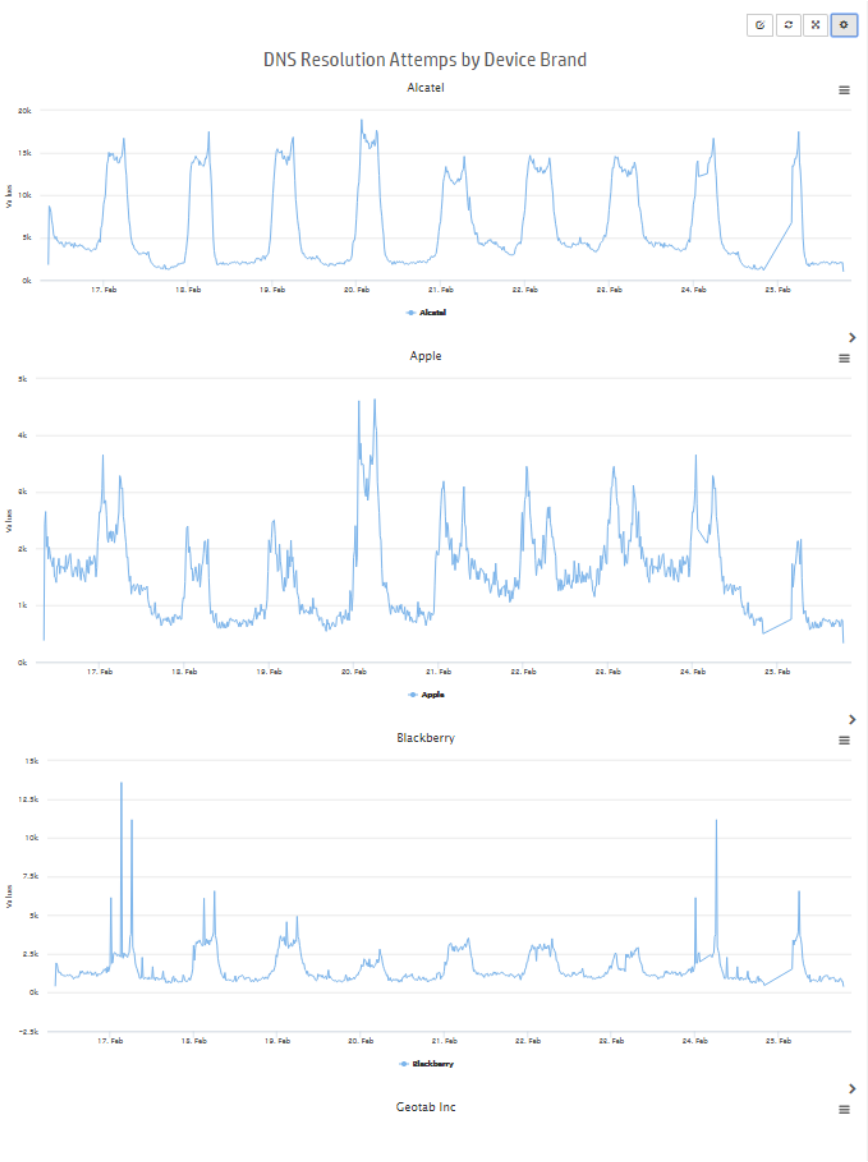


Figure 14 – Chart enhancement – Multiple chart instances

All chart widget also support some graphical decoration like threshold line , style, color…

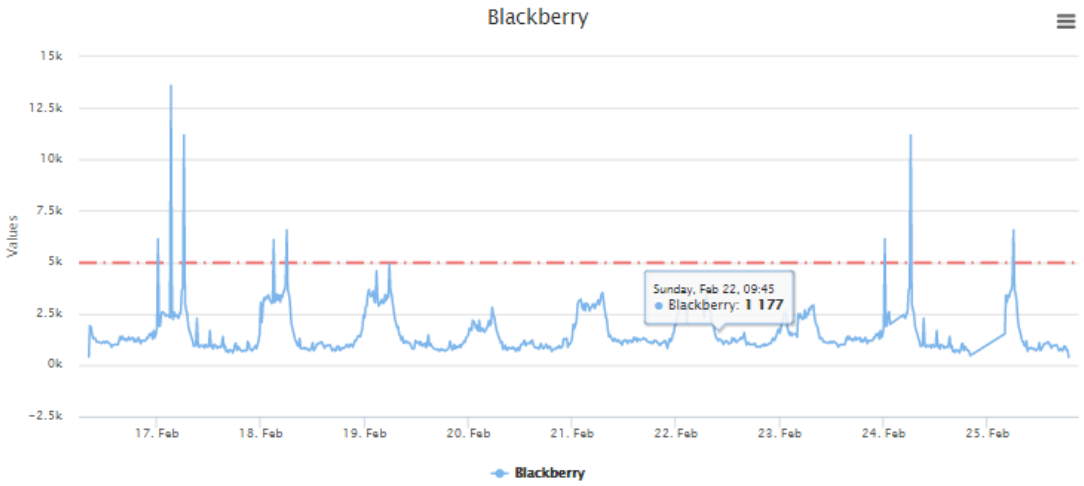


Figure 15 – Example of dotted static threshold on a line chart

1.10.2 Multiple data request on the same charts

Charts widgets supports multiple data request. It is possible to execute multiple data selection and use the same output chart for rendering the result.

These data can come from different data source (and plugin) to ease comparison, trending, threshold, …

Example of Uplink and downlink volume by brand device (2 data selections) over the time.

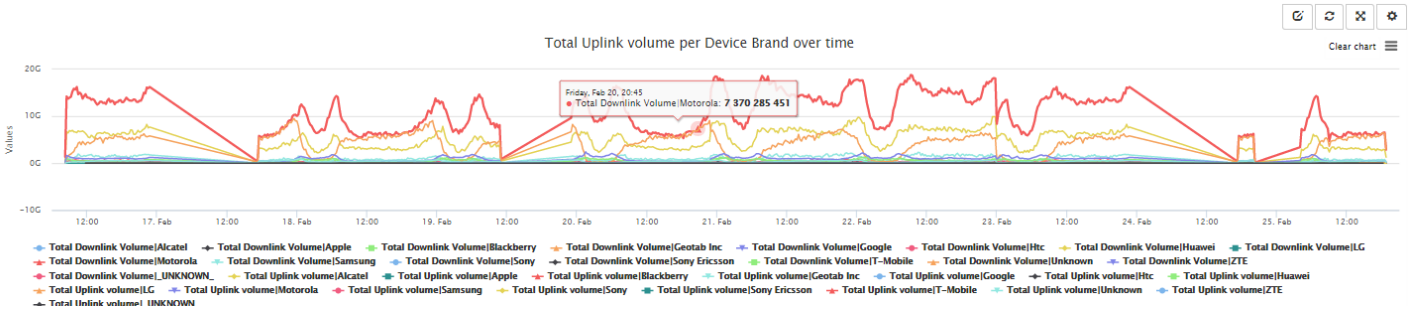


Figure 16 – Example of multiple data request on the same chart (total downlink / uplink)

The analysis tool has been updated to llet the user configure several data requests. These requests can use different data servers and differents value packs (package).

There is no consistency on the result, so it is strongly recommended to select compatible metrics to displays (scale, unit…)

1.10.3 Graphical decoration on chart widgets

All chart widget also support some graphical decoration like threshold line , style, color... x axis and y axis can be cusotmize with static definition like threshold, colored area, ...

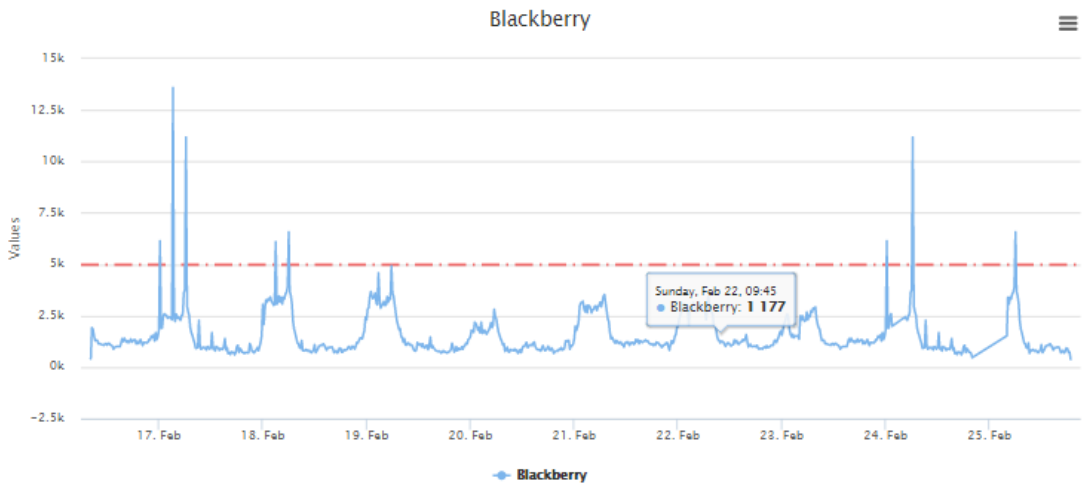


Figure 17 – Example of dotted static threshold on a line chart

1.10.4 Charts Selection

An option is available in some widget to allow the end user to select a specific widget and then filter data on other widget based on this selection.

The selector is a graphical indicator on the right of the widget.

And a cursor indicates it is a clickable link to navigate in information. The selected chart has a selected link and a bold title.

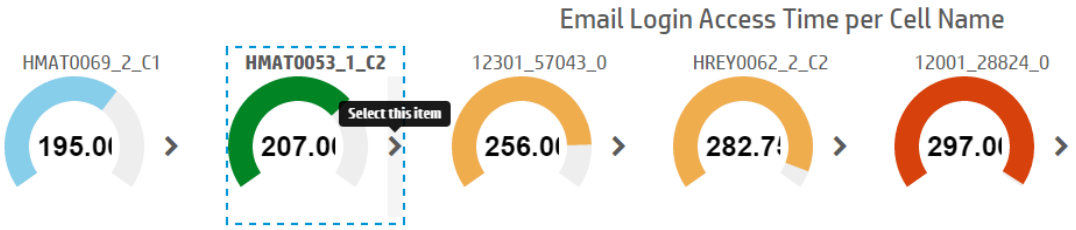


Figure 18 – Example of chart selector (hp-knob-gauge)

It is an interesting feature to provide several widget that listen the selection and update their data based on the user's choice (ex: pie chart, table ... based on a specific selected instance)

1.11 Analysis Tools Enhancement

The sliding toolbar on the right called the analysis tool can now let the user select multiple data selection and filters.

The New data selection button is available to add a new data selection. This data selection can get information from aother domain, packages, dimension, facts… and is totally independent from the other ones.

The user who has the right to configure the data selection can:

- Browse existing data selection list
- Add a new data selection
- Edit an existing data selection
- Delete an existing data selection
- Apply changes to the selected widget

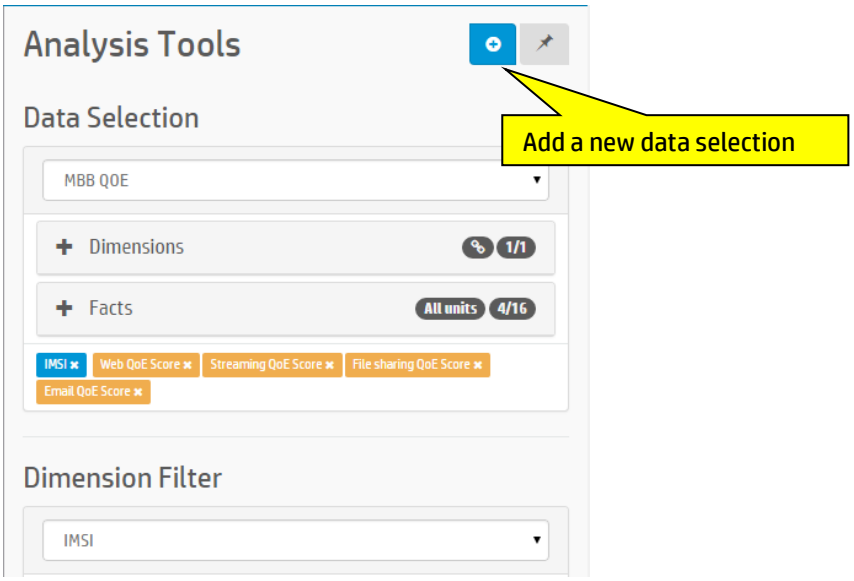


Figure 19 – Analysis Tool enhancement (new data selection)

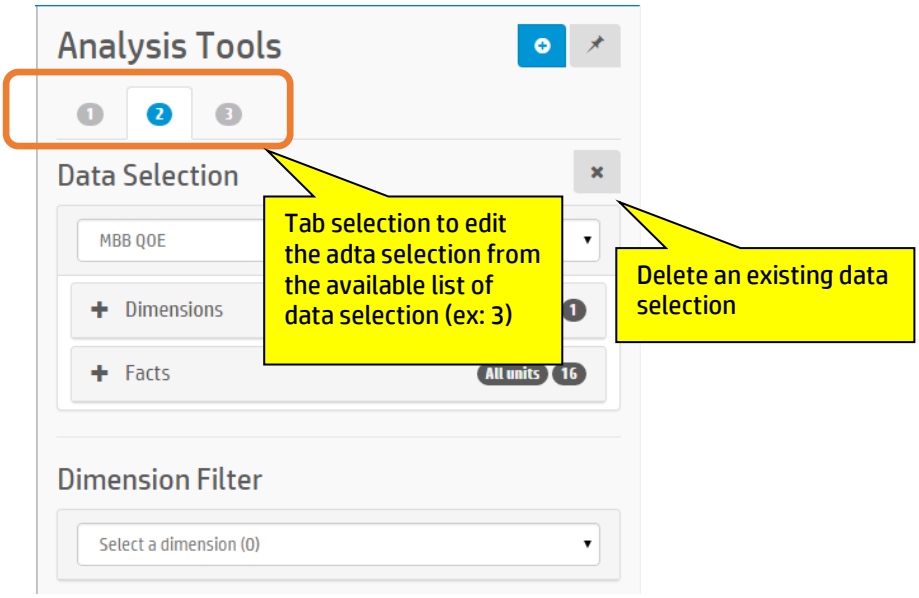


Figure 20 – Analysis Tool enhancement (browse /edit / delete data selection)

After applying the changes, the widget can be refresh and then multiple data request will be executed by the right domain plugin to the right data server. Multiple responses will be handled by the widget to provided advanced representations and correlation of heterogeneous data.

1.12 Widget Form

A widget Form is a widget that can generate forms inside a widget and collect some end user inputs and execute an operation *(ex: CREATE VNF, LOCK SUBSCRIPTION...).*

The plugin will receive all the data and the operation to execute.

The widget uses definition provided by packages to get a description of the object type and the way to represent these information.

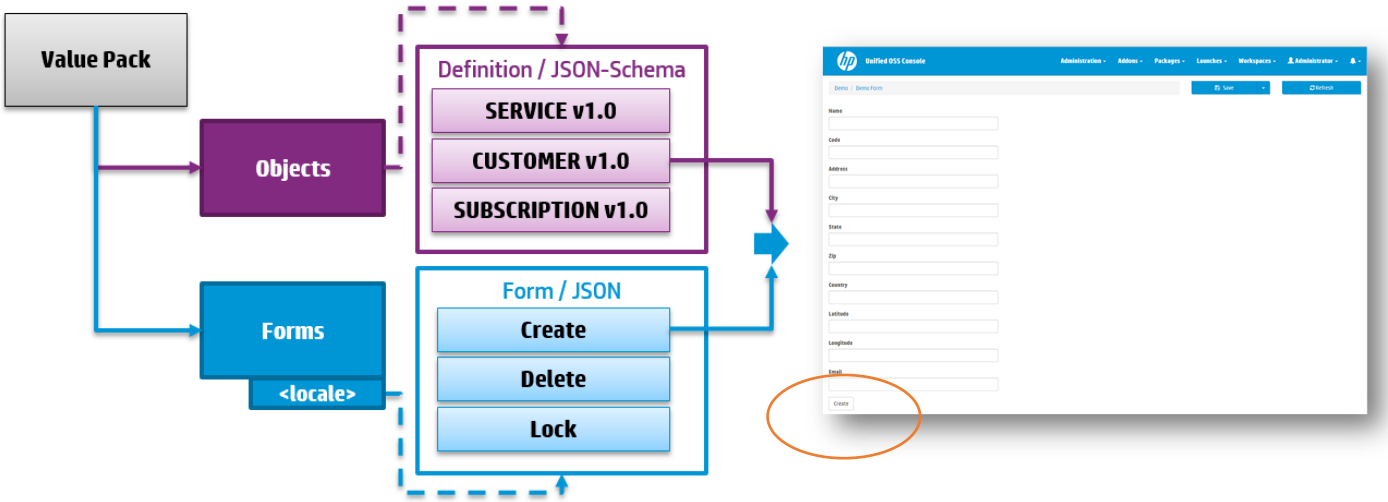


Figure 21 – New Widget Form

1.13 Widget Table

A widget Table is a widget that is dedicated to displays objects in a table. It uses package definiton (value pack) to deduce columns name, units and formatting.

This table can manage an unified format (dimension/facts –or- object types) by configuration or dynamically driven by another widget.

Multiple selctions are supported and exported as selection for other widget which want to handle it.

The graphical interface is fully customizable (column positions, single or multiple sorting, visibility, filtering...)

This widget also provides a powerful formatting options for columns (icons, color, threshold or enumeration...), and also integrate the add-ons module to totally let the integrators adjust the exact look & feel of a cell based on values.

For specific needs, it is also possible to define new column to compute small formula based on different columns (and data requests) like exposing a variation in %, ...

All these options makes this widget very generic and usefull.

FAS Table Example

OPERATIONCONTEXTNAME	ACKUSERNAME	ACK_DURATION_AVG	Ack Variation	SUMMARIZED_COUNT	Count Variation
ossv040_ns:.oper3	temip	11,233.5 ms		2,209,706	
ossv040_ns:.oper4	temip	22,097.5 ms		250,001	
ossv040_ns:.oper5	temip	19,707.2 ms	↑ 17.3 %	5,962,895	↓ -88.1 %
ossv040_ns:.oper6	temip	19,747.1 ms	↑ 17.2 %	5,962,522	↓ -88.1 %
ossv040_ns:.oper7	temip	15,880.8 ms		4,870,708	
ossv040_ns:.oper8	temip	15,887.3 ms		4,866,284	
ossv041_ns:.oper1	temip	26,367.3 ms		8,252,397	
ossv041_ns:.oper2	temip	26,197.3 ms		8,252,398	
ossv041_ns:.oper3	temip	19,333.6 ms	↑ 23.9 %	6,118,889	↓ -88.8 %
ossv041_ns:.oper4	temip	19,388.7 ms	↑ 23.9 %	6,103,028	↓ -88.7 %

1 / 3 10 items per page 1 - 10 of 30 items

Figure 22 – New Widget Table

1.14 Widget TreeMap

The widget Tree map is dedicated to display information from big data in a very visual way. By default, the charts supports multiple display algorithms (Slices and dice, stripes, scarified, strip…)

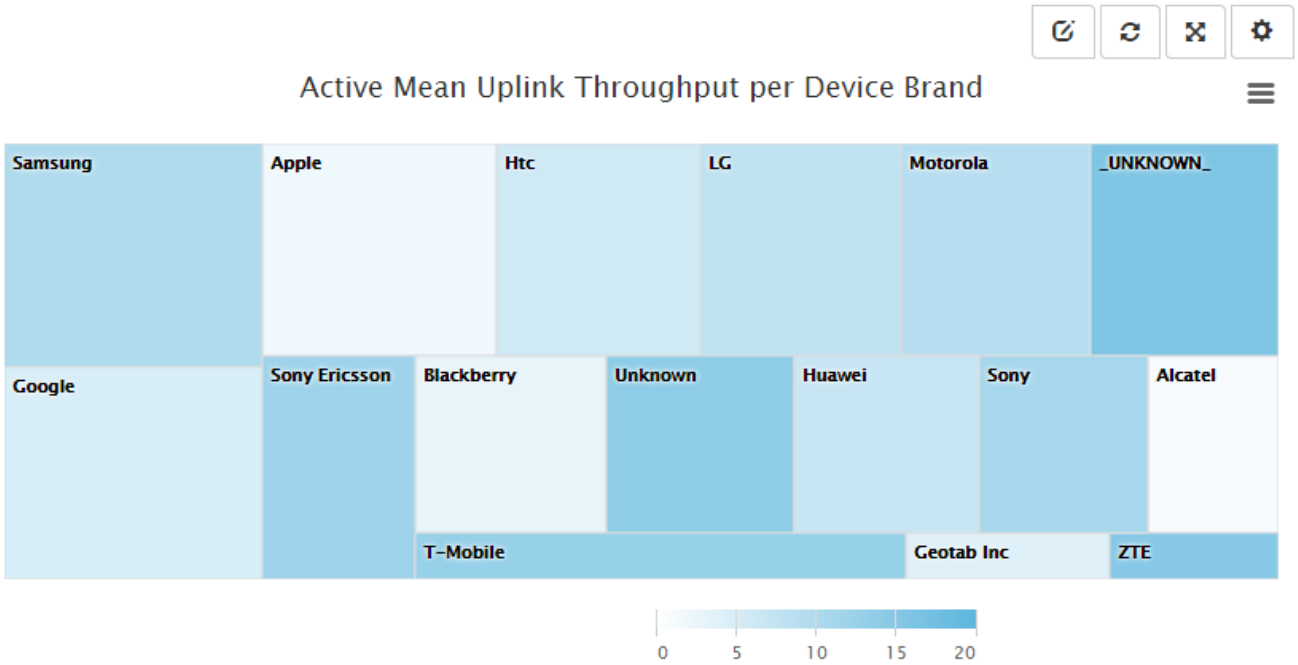


Figure 23 – New Widget Tree Map

1.15 Widget Knob Gauge

The widget knob is now available to display a summarized value and optionnaly its unit. It also provide a configuration to setup generated title, and threshold color by fact with several level (danger, warning, ok…)

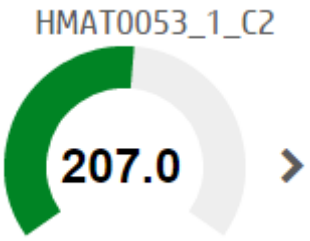


Figure 24 – New Widget Kob Gauge

This widget can also be used to select instance for other charts or define a new value an apply a changes

Several graphical options are available in the configuration panel like automatic generated title, number of digit, show/hide value or unit…

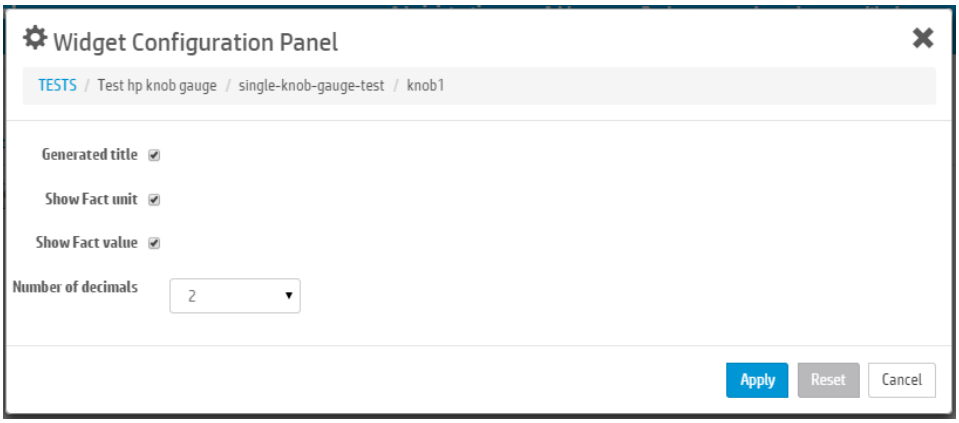


Figure 25 – Widget Kob Gauge – Configuration panel

1.16 Widget Launch Tree

The Launch tree is a widget that display in a tree representation a set of launches defined by categories. It usually associated t oa n widget Iframe to embed the launch next to the tree launch, and then provide a very seamless integration of external systems.

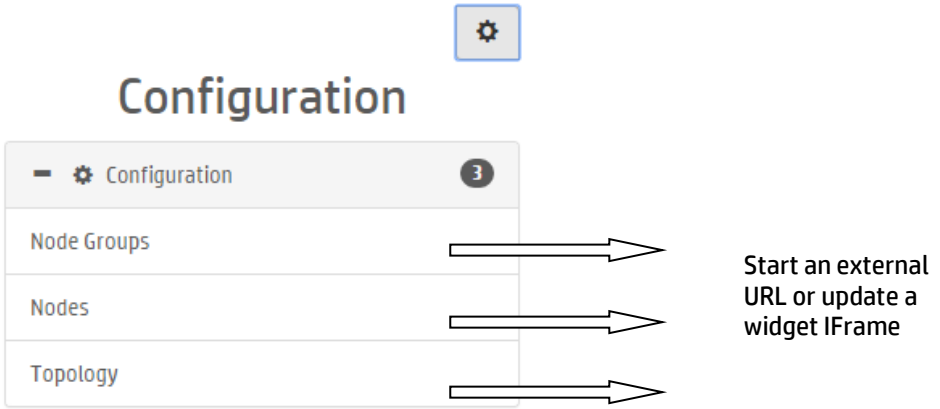


Figure 26 – New Widget Launch Tree

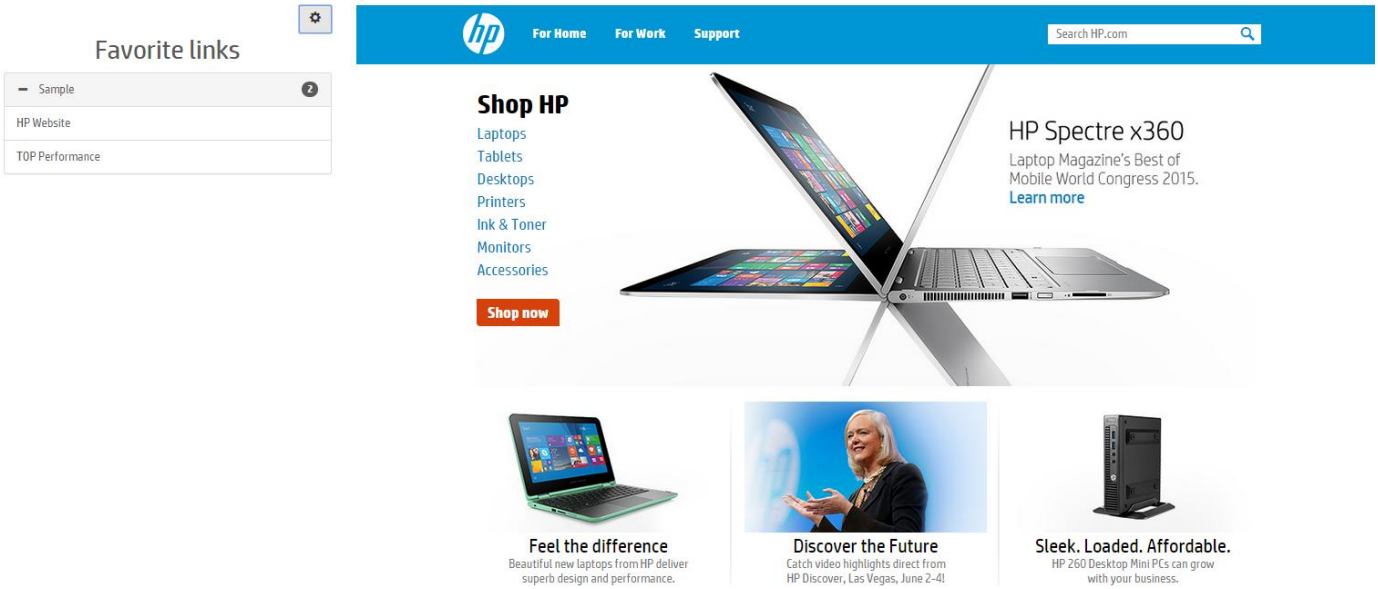


Figure 27 – Example of launch tree to start favorite links like HP

It is possible to customize the title, group by category and collapse panel using the configuration panel.

Figure 28 – Tree Launch widget configuration panel

1.17 Widget Map

The widget hp-map supports GeoJSON map format and displays two representation of map:

- **Colored Map**: The widget is able to display a colored sector based on threshold or value distribution, or a bubble chart in the middle of the sector using the metric's value.
- **Latitude / Longitude Map**: The widget is able to display a colored point (based on threshold) or a bubble chart using the metric's value.

The widget is able to execute a data request and use the first metric as a value to apply. This value can also optionally be used with threshold definition to display a given status or color.

It also supports zoom in/out and selection of section to explore data in other widgets.

All kind of maps requires a geo json map format setup in the following directory:

<install_dir>/client/public/maps

(ex: fr-all-all.geo.json)

It is possible to download free GeoJSON map or create your own one.

Check the Highmaps collection at http://code.highcharts.com/mapdata/ that provide more than one hundred maps.

Note: GeoJSON is a format for encoding a variety of geographic data structures. You can find more details about GeoJSON on the following website: http://geojson.org/

1.17.1 Latitude / Longitude Maps

This map needs a definition to identify which dimension is used as latitude and which one define the longitude.

Example of configuration

```
"configuration": {
  "geoJson": [{
    "map": "fr-all-all.geo.json",
    "latLong": ["DIM_LATITUDE", "DIM_LONGITUDE"],
    "bubbleChart" : false
  }],
```

Where DIM_LATITUDE, DIM_LONGITUDE are dimension of the value pack and map define the GeoJSON map to load in the widget Map.

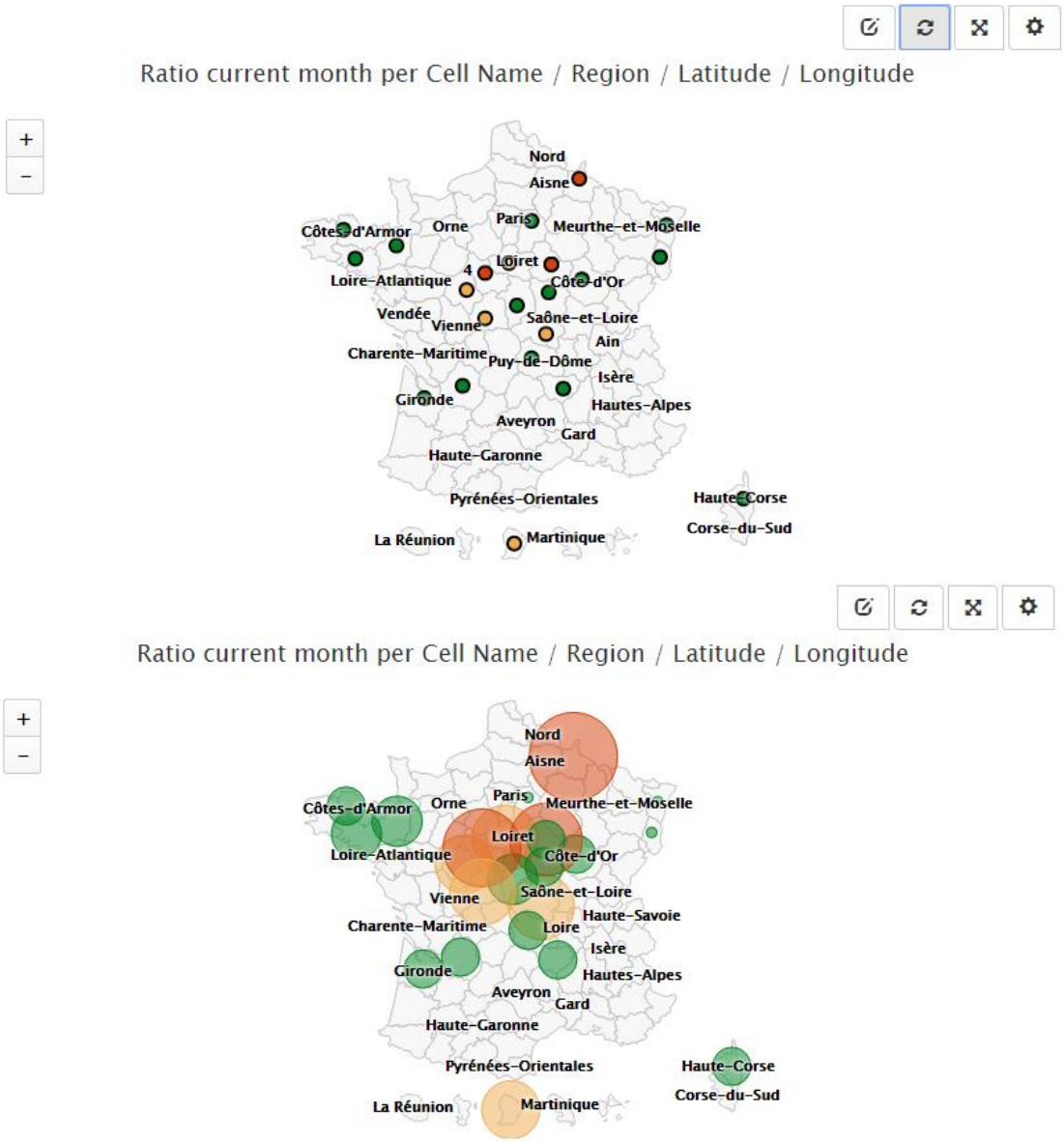


Figure 29 – Widget Map – Latitude / Longitude Map (with/without bubble chart option)

1.17.2 Colored Maps

This map needs a definition to identify which dimension is used as a key to identify the sector of the map.

Example of configuration

```
"configuration": {
    "geoJson": [{
      "map": "fr-all-all.geo.json",
      "joinBy": ["name", "REGION_NAME"],
```

"bubbleChart" : false

}],

Where REGION_NAME is the dimension to use as a key for the map.

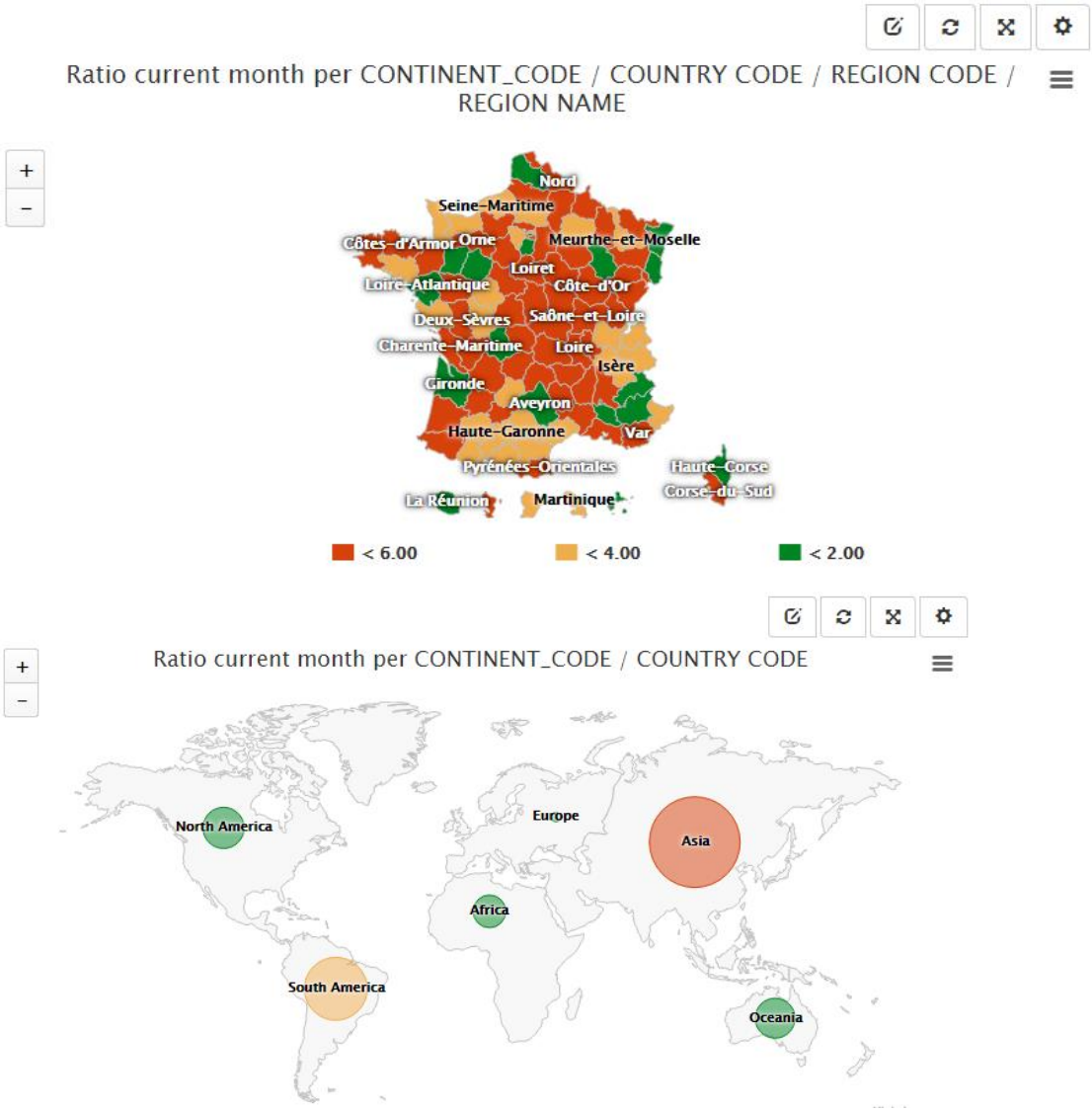


Figure 30 – Widget Map – Colored Map (with/without bubble chart option)

1.18 Profile Management

The profile management (local authentication mode) has been reworked to extend the possibility of changes.

A logged user can access to his personal informations in the preferences menu, by clicking on the "My profile" menu entry.

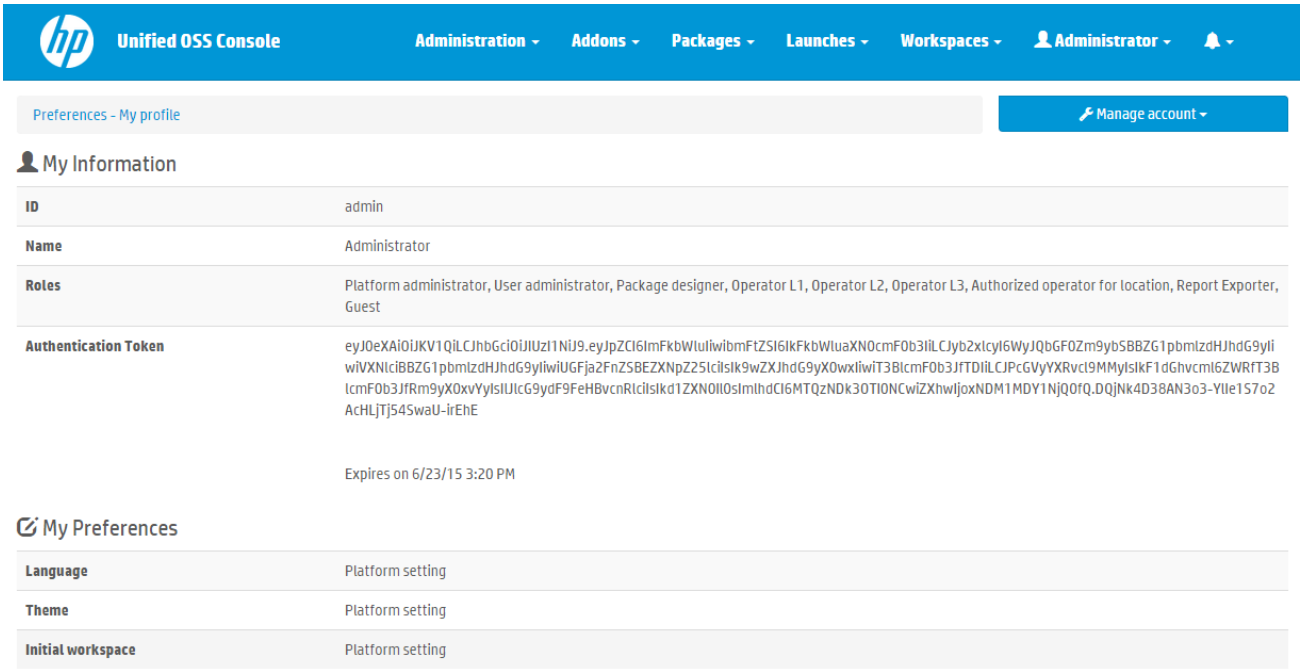


Figure 31 – Profile Management

1.18.1 User password

He also can change his password (in local authentication mode only), clicking to Change password button.

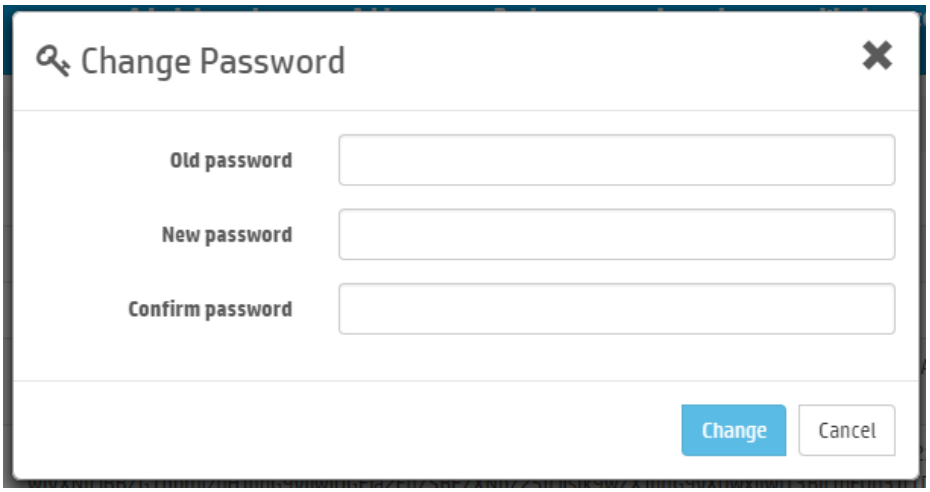


Figure 32 – Profile Management – Change password (local Authentication Mode only)

1.18.2 User Preferences

The user can modify some user preferences, like the preferred language, preferred theme, preferred page after login (workspace manager or a pre-defined workspace).

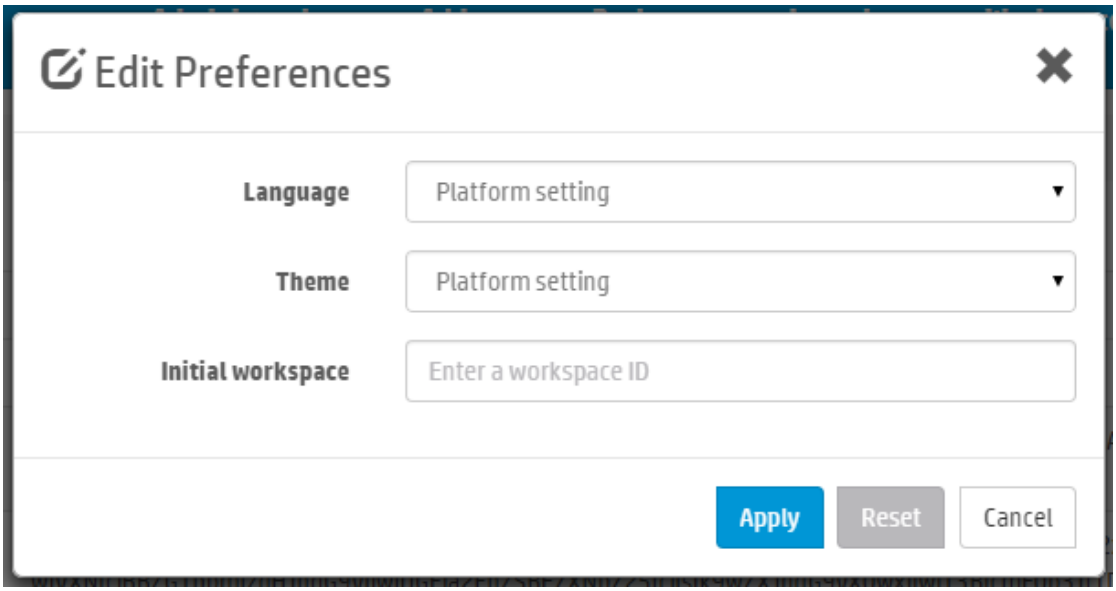


Figure 33 – Profile Management – Edit preferences (local Authentication Mode only)

***Note**: Changes will occurred at the next login*

Chapter 2

Getting Started

2.1 Pre-requisites

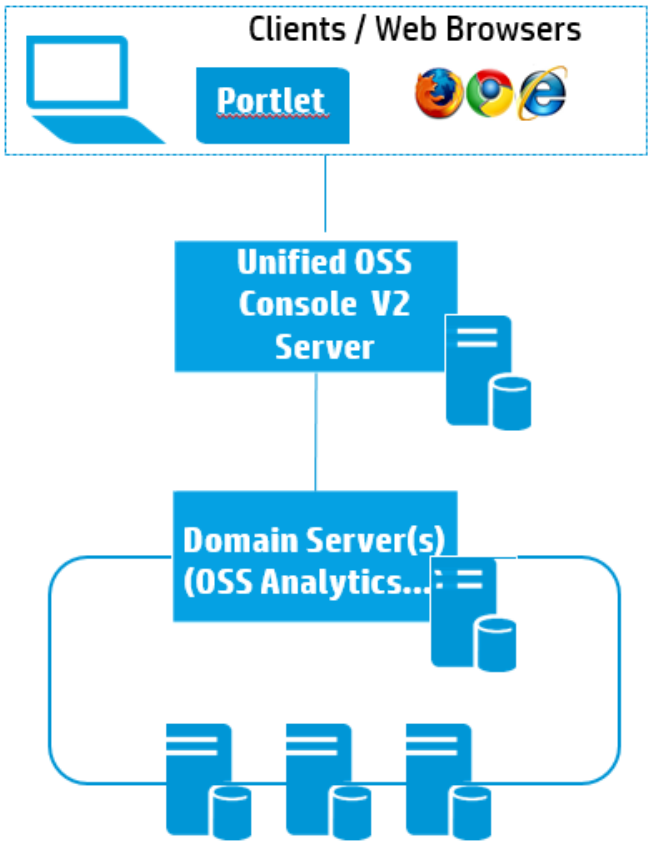


Figure 34 – UOC V2 pre-requisites

UOC V2 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.

Note: The UOC V2 Server supports virtual machine

2.1.1 UOC Server

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

Recommanded 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.

***IMPORTANT**: The UOC Server needs a Linux Redhat Enterprise 6.5 (only) and a NodeJS server v0.10.38. All other combination may raise issue with dependencies or security.*

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

Hardware	Recommanded	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 3 –Hardware requirements for UOC V2.1 *on Linux Redhat 6.5*

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 4 –Supported Web browsers

2.1.3 Client PC / Laptop

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

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

Table 5 –Hardware requirements for client PC

2.1.4 Mobile Device

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

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

Table 6 –Hardware requirements for mobile devices

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. Procole 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.

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.*

Note: It is normal that the first time, it can take longer than usual to display the login.

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.

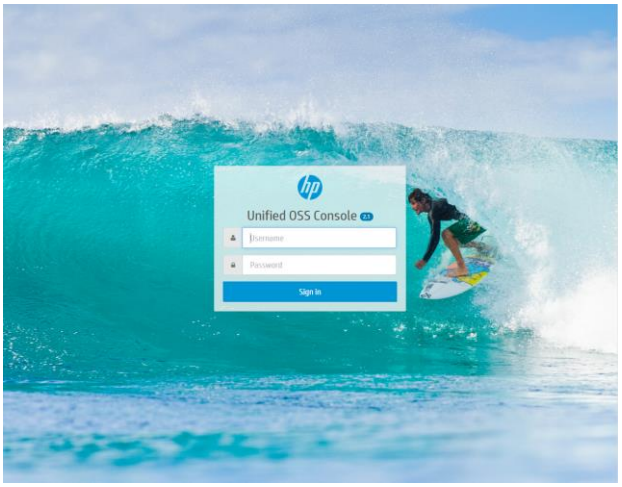


Figure 35 – Sign in page with the local authentication mode

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
Low 715	Category Manager	Category Manager: Need refresh to see new categories in the application **Description:** - Open workspace manager - Open the modal window to create a new workspace (it will display a dropdown menu with the list of categories) - cancel the workspace creation - Open the category manager - Create a new category => The category does not appear in the topbar workspaces menu, and if you open again the modal window to create a new workspace, the list of categories has not been updated	
762 Medium	Main Menu	Sometimes, the header bar is not displayed correctly, and takes too much space, overlapping the top of the screen.	
765 Medium	Widget	Full page operation does not work properly	

Reference / Severity	Component	Description	Comment

Table 7 - 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 657	Top Table	Top table does not support completely L10N for autotitle feature	Setup manullay the title if this is an issue
Medium 688	Drill up/down widget	Drilldown up/does not support completely L10N for autotitle feature	Setup manullay the title if this is an issue
Medium 672	Chart Widgets	Highcharts is unable to refresh properly chart configuration change in the case a property was deleted. **How to reproduce:** - 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	Force a refresh of the page to apply correctly the configuration changes if the issue occurs. *Note: Bug from Highcharts graphical toolkit library*
Medium 694	Chart Widgets	Full page mode lose data and require a refresh request	The user can click on the refresh icon to redo que last query.
745 Medium	Add-ons Theme	Dynamic theme switch is not supported by charts widget based on highcharts While dynamically switching the theme using the theme selector, the chart widgets do not dynamically their highcharts theme It is a limitation from the	*Use the platform preference setting to predefine themes for the end user* *Note: Limitation from Highcharts graphical toolkit library*
760 Low	Time Selector	Time Selector - short date format does not work with Firefox. The selected date is not always the correct one	*Use a different browser if you see such issue*
768 Low	Widget	The export option does not allow the CSV export This issue exist only on Internet Explorer	*Do not use Internet Explorer to enable this option*

Reference / Severity	Component	Description	Solution/Suggested workaround
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 Medium	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 High	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.	*Try to install all the components on a fast network and try to minimize the network lag.*
826 Medium	Widget	Widget configuration cannot be changed if the widget has never had a configuration properly defined in its view JSON definition	*Define a configuration section in your view definitions*
835 Low	Core	Language define in the URL is not recognized successfully due to the extentsion of the user preferences.	*Uses platform settings or user preferences settinsg to force a language*

Table 8 - 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.

---

*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.*

Chapter 6

Unified OSS Console V2.1 Migration

This section lists changes done during this version that may need an update for compatibility.

6.1 Open Sources Listing

Unified OSS Console V2.1 embed the following open sources.

UOC	Open Source Files	Version	License	URL Pointer of source availability
Server	couchDB	1.6.0	Apache 2.0 License	http://couchdb.apache.org/
Server	NodeJS	0.10.38	Copyright Joyent, Inc. and other Node contributors	http://nodejs.org
Server	ExpressJS	4.12.4	MIT license	http://expressjs.com/
Server	Express-jwt	3.0.1	MIT license	https://github.com/auth0/express-jwt
Server	jsonschema	1.0.1	MIT license	https://github.com/tdegrunt/jsonschema
Server	compression	1.4.4	MIT license	https://github.com/expressjs/compression
Server	jsonwebtoken	5.0.1	MIT license	https://github.com/auth0/node-jsonwebtoken
Server	pdfkit	0.7.1	MIT license	https://github.com/devongovett/pdfkit
Server	phantomjs	1.9.17	MIT license	https://github.com/ariya/phantomjs/
Server	PassportJS	0.2.2	MIT license	http://passportjs.org/
Server	passport-local	1.0.0	MIT license	https://github.com/jaredhanson/passport-local

Server	Passport-SAML	0.9.2	MIT liense Copyright (c) 2012 Henri Bergius Copyright (c) 2011 Michael Bosworth Copyright (c) 2012 Henri Bergius Copyright (c) 2011 Michael Bosworth	https://github.com/bergie/passport-saml
Server	log4JS	0.6.25	Apache 2.0 License	https://github.com/nomiddlename/log4js-node
Server	nconf	0.7.1	Copyright (c) 2011 Nodejitsu Inc.	https://github.com/flatiron/nconf
Server	lodash	3.9.3	Copyright 2012-2014 The Dojo Foundation <http://dojofoundation.org/>	https://github.com/lodash/lodash
Server	ejs	2.3.1	MIT license	http://embeddedjs.com/
Server	requireJS	2.1.17	MIT license / BSD	http://requirejs.org/
Server	q	1.4.1	MIT license	https://github.com/kriskowal/q
Server	request	2.57.0	Apache 2.0 License	https://github.com/mikeal/request
Server	nano	6.1.3	Apache 2.0 License	https://github.com/dscape/nano
Server	cookie-parser	1.3.5	MIT license	https://github.com/expressjs/cookie-parser
Server	body-parser	1.12.2	MIT license	https://github.com/expressjs/body-parser
Server	express-session	1.10.3	MIT license	https://github.com/expressjs/session
Server	xml2js	0.4.9	MIT license	https://github.com/Leonidas-from-XIV/node-xml2js
				_
Client	bootstrap	3.2	MIT license	http://getbootstrap.com/
Client	AngularJS	1.4.0	MIT license	http://angularjs.org/
Client	json3	3.3.2	MIT license	http://bestiejs.github.io/json3/
Client	Angular-Translate	2.7.2	MIT license	https://github.com/angular-

				translate/angular-translate
Client	font-awesome	4.3.0	CC-BY-3.0, MIT	https://github.com/FortAwesome/Font-Awesome
Client	es5-shim	4.1.0	MIT license	https://github.com/es-shims/es5-shim
Client	angular-resource	1.4.0	MIT license	https://github.com/roylines/node-angular-resource
Client	angular-cookies	1.4.0	MIT license	https://github.com/Elzair/angular-module-cookies
Client	angular-sanitize	1.4.0	MIT license	https://github.com/Elzair/angular-module-sanitize
Client	angular-route	1.4.0	MIT license	https://github.com/Elzair/angular-module-route
Client	angular-bootstrap	0.13.0	MIT license	https://github.com/angular-ui/bootstrap
Client	angular-translate-loader-partial	2.7.2	MIT license	https://github.com/angular-translate/bower-angular-translate-loader-partial
Client	angular-dynamic-locale	0.1.27	MIT license	https://github.com/lgalfaso/angular-dynamic-locale
Client	angular-ui-grid	3.0.0-rc.22	MIT license	https://github.com/angular-ui/ng-grid/blob/master/LICENSE.md
Client	angular-local-storage	0.1.5	MIT license	https://github.com/grevory/angular-local-storage/blob/master/LICENSE
Client	jquery-knob	1.2.11	MIT license	https://github.com/aterrien/jQuery-Knob
Client	angular-schema-form	0.8.0	MIT license	https://github.com/Textalk/angular-schema-form
Client	requireJS	2.1.18	MIT license / BSD	http://requirejs.org/
Client	requireJS-plugin	1.0.3	MIT license	https://github.com/millermedeiros/requirejs-plugins
Client	jquery	2.1.3	Copyright 2005, 2014 jQuery Foundation and other contributors, https://jquery.org/	
Client	jquery-ui	1.11.4		https://jqueryui.com/
Client	checklist-model	0.2.4	MIT license	http://vitalets.github.io/checklist-model
Client	lodash	3.9.3	Copyright 2012-2014 The Dojo Foundation <http://dojofoundation.org/	https://github.com/lodash/lodash

			>	
Client	lodash-deep	1.6.0	MIT license	https://github.com/marklagendijk/lodash-deep
Client	require-css	0.1.8	MIT license	https://github.com/guybedford/require-css
Client	angular-cache	3.2.5	MIT license	https://github.com/jmdobry/angular-cache
Client	highcharts-ng	0.0.8	MIT license	https://github.com/pablojim/highcharts-ng
Client	javascript-state-machine	2.3.5	Copyright (c) 2012, 2013, 2014, 2015, Jake Gordon and contributors	https://github.com/jakesgordon/javascript-state-machine
Client	slickgrid	2.1.0	Copyright (c) 2010 Michael Leibman, http://github.com/mleibman/slickgrid	https://github.com/mleibman/SlickGrid

6.2 Layout Descriptor update

The descriptors of the client-side addons layouts (files called **layouts.json**) have been extended and updated. They support new properties, and one of them, widgetCount, is mandatory.

Removed properties:

- ~~**domain**~~

  This property was optional. I was an array of domain ids. It has been renamed to "domains".

- ~~**package**~~

  This property was optional. I was an array of package ids. It has be renamed to "packages".

New properties:

- **domains** (optional)

  This property is optional. It is an array of strings. It can be used to categorise a layout and make it easier to be found (searching, filtering...).

- **packages** (optional)

  This property is optional. It is an array of strings. It can be used to categorise a layout and make it easier to be found (searching, filtering...).

- **widgetCount** (mandatory)

  This property is mandatory.

Indeed, even if a layout without this property would work fine when displaying a workspace that includes views using this layout, this layout would not be usable (would cause some bugs) inside the graphical view designer.

Note: this graphical view frsigner is not be included in the 2.1 release, but to prepare this new feature, it is strongly recommended to define this property (widgetCount). This will have no effect in UOC V2.1

This property stands for the total number of widgets (hp-widget HTML elements) a layout can display.

- **responsive** (optional)

This property is optional, its default value is *false*.

This property indicates if the layout is responsive, that is to say it can be displayed on a desktop computer's screen as well as a tablet or mobile phone.

Example: (new properties in bold)

```
[{
  "layoutId": "layout-1",
  "name": "Layout 1",
  "description": "Layout 1",
  "author": "hp",
  "version": "1.1",
  "icon": "layout-1.png",
  "domains": ["HP"],
  "packages": [],
  "widgetCount": 1,
  "responsive": true,
  "templateUrl": "/addons/hp/layouts/layout-1/layout-1.html"
}]
```

6.3 Widget Descriptor update

The descriptors of the client-side addons widgets (files called **widgets.json**) have been extended and updated for the future view designer integration. They support new optional property: **categories**

Example: (new properties in bold)

```
[{
  "widgetId": "hp-aggregation-table",
  "name": "HP Aggregation Table",
  "description": "Unsortable table used to display aggregation results",
  "author": "hp",
  "version": "1.1",
  "icon": "hp-aggregation-table.png",
  "categories": ["HP"],
  ...
```

}]

Categories will help the view designer to organize widget library to display to the designer based on logical categories.