



MYHOMEPAGE CONFIGURATION

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1. INTRODUCTION

You can configure MyHomepage in order to restrict the client access only to some features:

- Template access: At first, the client has only access to 2 templates, but it is possible to unlock other ones afterwards.
- Product availability: When in multiproduct mode the client choose to display Raw/KPI for network elements, it is possible to displays those Raw/KPI and network elements only for some product, the other ones being invisible for the client in the configuration panel.

The access to those functionalities being different from a customer to another, we must set them after the installation.

2. TEMPLATE ACCESS

2.1. ACTIVATION

Template activation is managed in the table **sys_templates_list**. This table is created and filled during the homepage installation. The table can also be updated during an upgrade of myhomepage, if new templates are present in the upgrade package.

The **sys_templates_list** table is as follow:

	oid	id_template text	label text	visible smallint
1	121087655	template1	Template 1	1
2	121087656	template2	Template 2	1
*				

- **oid** is a unique identifier, managed by PostgreSQL
- **id_template** is the template identifier used in myhomepage,
- **label** is the name of the template displayed in the configuration panel,
- **visible** indicate if the template is accessible by the client from the configuration panel

The value given to this last field, **visible**, is what allows the client to use a template. **The only authorized value is 1**. Any other value deactivates the template (we use 0 by default to make so).

During the first installation, only the template 1 and 2 will be activated.

2.2. NEW TEMPLATE

If you want to provide a template that was not yet set in database, there is two ways :

- Add in the directory: **homepage/config/templates/** the XML file describing the template. It is mandatory to not edit the file name, which must be formed by the template identifier followed by the XML extension (for example template1.xml).
- Add the template in database :

INSERT INTO sys_templates_list (id_template, label, visible) VALUES ('templateX', 'Template X', 1);

templateX being the template identifier that we can find in his own XML file:

```
<?xml version="1.0"?>
<template id="template1" title="template1">
    <row rowspan='1'>
```

3. PRODUCT AVAILABLE

It is possible to prevent some products of being displayed in the Raw/KPI and network element window when you are in multiproduct state.

The **products.xml** file that you can find in the **homepage/config** directory, allows you to list the product that will not be displayed. By default during a first installation, this file doesn't list any product; it means that all products are displayed.

If you want a product to be unavailable, you need to add it in this file, by specifying its identifier:

```
<?xml version="1.0" encoding="UTF-8"?>
<products>
  <sdp_id>1</sdp_id>
</products>
```

You can find the product identifier in the **sys_definition_product** table:

oid	sdp_id serial	sdp_label text
112806947	1	NSN BSS

During an upgrade of myhomepage, the **products.xml** file is not altered. Thereby the products list from which it is possible to pick a Raw/KPI or a network element in the configuration panel will not be modified.

4. GAUGES CONFIGURATION FOR IE9

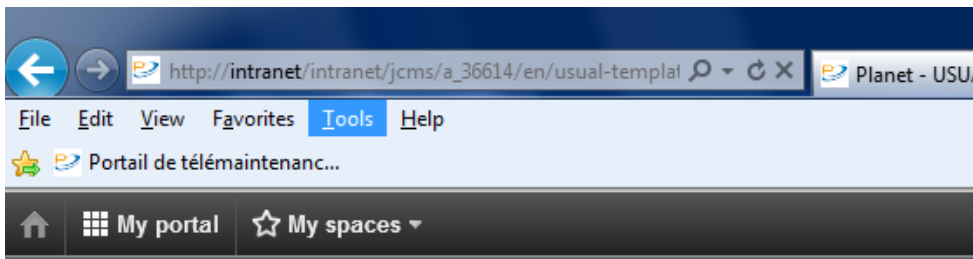
- For release $\geq 1.3.1.02$:

Since release 1.3.1.02 of MyHomepage, gauges templates are now compatible with Internet Explorer 9+.

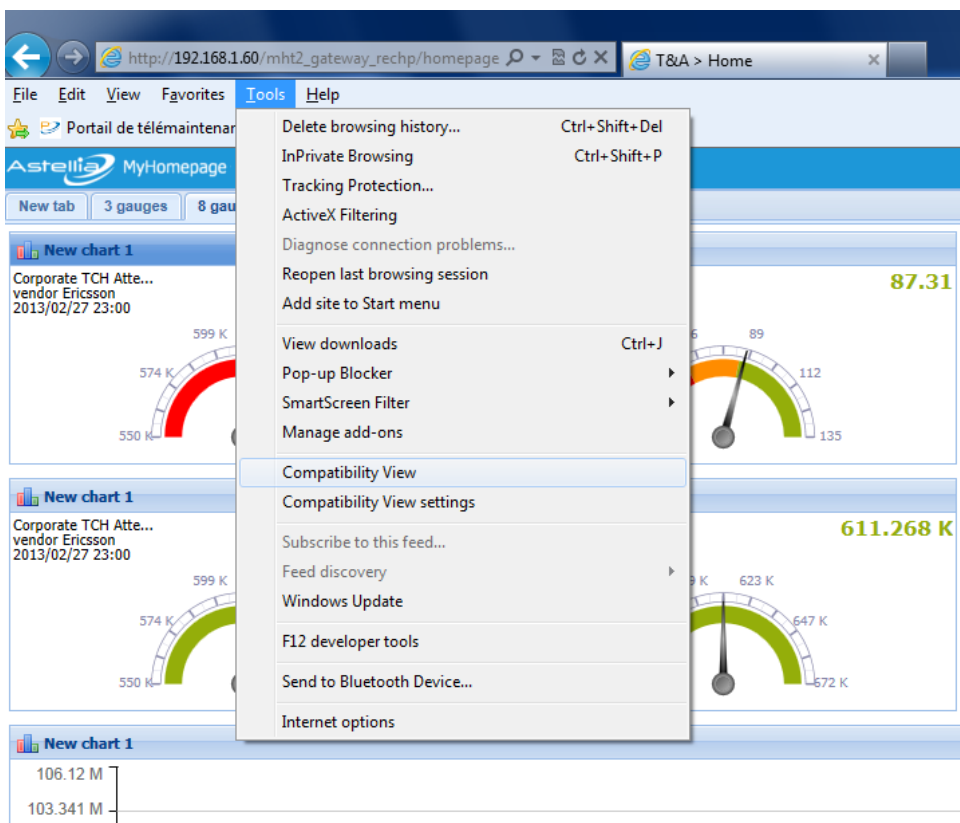
If MyHomepage doesn't load correctly, and you are being stuck on the "Loading" screen, you'll have to configure Compatibility Mode of your IE9 browser.

To do so, click on Tab key.

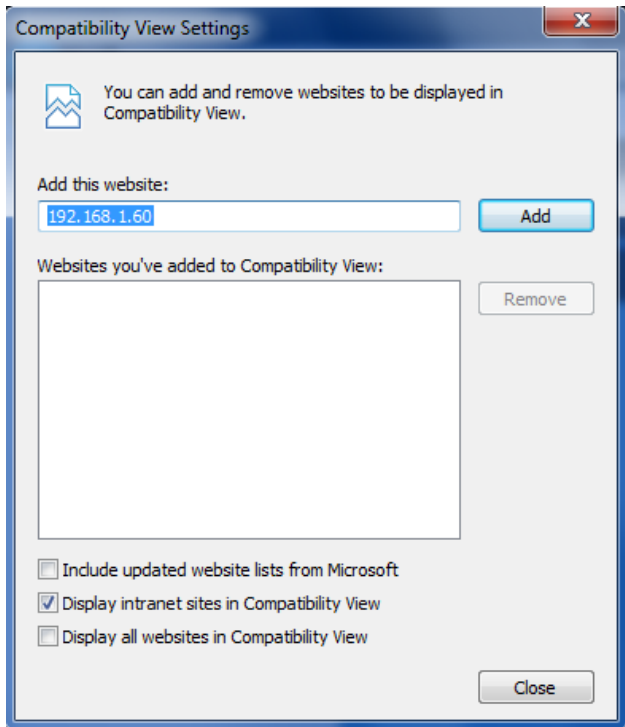
A menu appears, click on **Tools**.



Uncheck **Compatibility View**.



Now click on **Compatibility View Settings**.



If your website is in the list, remove it. Then close this invite.

MyHomepage should load correctly.

- **For release < 1.3.1.02 :**

The gauges (Bindows) configured by default during a homepage installation are not compatible with Internet Explorer 9 for MyHomepage releases prior to 1.3.1.02.

If you want to use gauges templates with IE9, it is mandatory to edit the **general.xml** file, which can be found in the **homepage/config** directory.

```
<?xml version="1.0" encoding="UTF-8"?>
<general>
  <gauges_ie>0</gauges_ie> <!-- 1 : Use IE gauges / Anything else : Use default -->
  <autorefresh timer>10000</autorefresh timer> <!-- Delay in milliseconds for
  autorefresh feature -->
  <penalisation mode>0</penalisation mode>
  <reference period>3</reference period>
</general>
```

You have to turn the parameter **gauges_ie** to **1** to activate the gauges compatibility with IE9, **0** otherwise for Chrome, Firefox.

5. TEMPLATE MAP CONFIGURATION

Furthermore we can now specify a focus point on the map and a default zoom level to display the map. Here is a link that can help you find a point on the map: <http://itouchmap.com/latlong.html>

5.1. SET MAP AREA

Before creating a new tab, you should determine which country / area you want to display for all map tabs in your homepage.

By default, MyHomepage is only packaged with the world map. For any other demand, please ask development team support.

If you want to use the world map, you can jump directly to **Erreur ! Source du renvoi introuvable..** Otherwise, please continue.

As of version >=1.3.1.00, **/homepage/config/map.xml** is not needed anymore, it can be deleted.

The map id is defined in **/homepage/config/general.xml**

```
<?xml version="1.0" encoding="UTF-8"?>
<general>
  <gauges_ie>0</gauges_ie>
  <autorefreshtimer>10000</autorefreshtimer>
  <penalisationmode>0</penalisationmode>
  <referenceperiod>3</referenceperiod>
  <mapid>worldHigh</mapid>
</general>
```

The following lines should be available in **/homepage/myhomepage.php**

```
<script type="text/javascript" src="js/ammap.js"></script>
<script type="text/javascript" src="js/maps/js/worldHigh.js"></script>
```

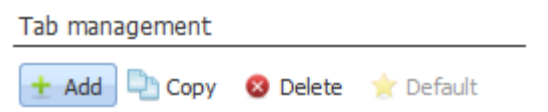
Replace *worldHigh* with the new map id.

Warning : the two entries listed above should match the exact same map id.

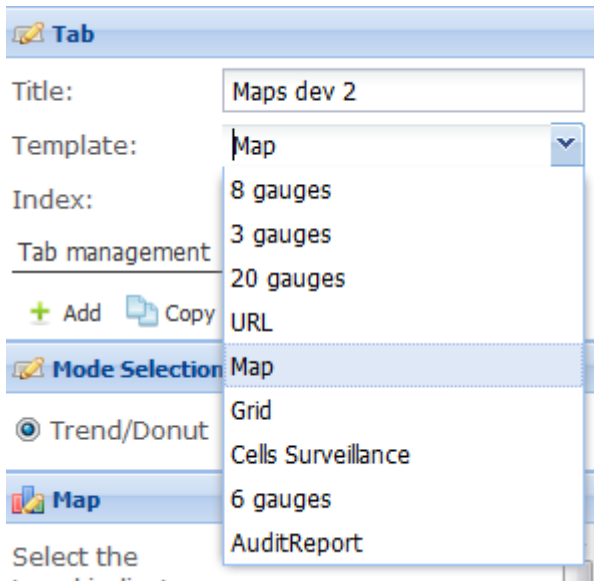
5.2. CREATE A MAP TAB

With the configuration panel opened.

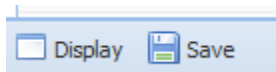
Click on **Add** under **Tab Management**.



Choose **Map** in the template combo.



Click on **Save**.



The page reloads.

You can now set the title of your tab.

Warning : do not go any further before step **Erreur ! Source du renvoi introuvable**.

5.3. CONFIGURATION PREREQUISITE

You have to edit your configuration file in order to display data in your map tab.

First step consists of setting network elements configuration.

You'll have to know :

- The network element id in topology, referred to as `<ne_id>`
- The level in topology for all network elements, referred to as `<network_level>`
- The slave product id, (sdp_id in sys_definition_product table), referred to as `<product_id>`
- The map area id, referred to as `<map_zone_id>`

The map area id is visible in `/homepage/js/maps/js/<mapid>.js` . Title is a description of the map area.

```
"g":{
    "path":[
        {
            "id":"AE",
            "title":"United Arab Emirates",
            "d":"M633.7,388.6210.18,0.2510.03,1.710.04,0.121-
0.1,0.021-0.11,0.131-0.13,0.21-0.18,0.11-0.14,0.121-0.13,0.141-0.12,0.031-0.16,-0.181-
0.11,-0.1910.03,-0.0410.08,-0.0110.03,-0.11-0.04,-0.141-0.11,-0.05h-0.131-0.13,0.061-
0.13,0.121-0.08,0.131-0.01,0.2710.04,0.3v0.151-0.07,0.181-
0.03,0.2710.05,0.2110.05,0.12v0.11-0.13,0.3310.11,0.0610.36,0.0210.11,0.2210.07,0.151-
0.02,0.091-0.26,0.071-0.32,0.071-0.23,-0.021-0.42,0.11-
0.22,0.1510.07,0.110.08,0.0710.04,0.21-0.07,0.291-0.12,0.281-0.15,0.351-0.17,0.41-
0.23,0.61-0.2,0.471-0.02,0.34v0.221-0.02,0.441-0.19,0.241-0.04,0.011-0.22,-0.031-
0.08,-0.011-0.21,-0.031-0.33,-0.041-0.43,-0.061-0.51,-0.071-0.57,-0.071-0.6,-0.081-
```

```
0.63,-0.081-0.62,-0.081-0.61,-0.081-0.57,-0.071-0.51,-0.071-0.43,-0.061-0.33,-0.041-
0.21,-0.031-0.08,-0.011-0.24,-0.031-0.13,-0.161-0.15,-0.21-0.16,-0.21-0.15,-0.21-
0.15,-0.21-0.15,-0.21-0.15,-0.21-0.15,-0.21-0.15,-0.21-0.15,-0.21-0.15,-0.21-0.16,-
0.21-0.15,-0.21-0.15,-0.21-0.15,-0.21-0.15,-0.21-0.15,-0.21-0.1,-0.131-0.06,-0.151-
0.01,-0.4v-0.0910.1,-0.1610.05,0.1110.12,0.1610.2,-
0.0410.09,0.0310.07,0.5510.14,0.210.18,0.0810.6,0.0410.37,-0.0710.73,-0.3610.38,-
0.1311.06,0.0210.85,0.1511.33,0.0910.26,-0.0210.71,-0.2910.44,-0.2510.26,-0.0710.17,-
0.2510.11,-0.3210.1,-0.2110.13,-0.110.12,-0.1810.1,-0.2910.25,-0.2910.99,-0.7110.58,-
0.610.05,-0.1910.31,-0.2910.25,-0.3211.17,-0.9210.24,-0.3810.14,-0.4210.02,-0.0310.1,-
0.0210.14,0.0610.01,0.321-0.05,0.31-0.01,0.321-0.02,0.1710.11,0.1410.19,0.0610.08,-
0.01L633.7,388.62zM633.65,389.910.02,-0.131-0.03,-0.071-0.12,-0.011-0.05,0.111-
0.02,0.1610.08,0.01L633.65,389.9zM628.56,392.341-0.03,0.061-0.08,-0.011-0.2,-0.051-
0.06,-0.0910.12,-0.110.05,-0.0110.08,0.11L628.56,392.34zM625.38,392.91-0.21,0.021-
0.19,-0.1210.4,-0.1610.11,-0.0710.12,-0.1410.09,0.121-0.1,0.191-
0.07,0.08L625.38,392.9zM623.37,392.811-0.05,0.021-0.05,-0.17v-0.0510.13,-
0.0810.08,0.14L623.37,392.81zM627.05,393.15v0.11-0.29,-0.031-0.08,0.051-0.23,-0.031-
0.23,-0.0810.16,-0.1310.4,-0.1510.17,0.13L627.05,393.15z"
    },
```

Now you have to edit the file `/homepage/config/<user id>/homepage.xml` .

You should replace this node :

```
<network_elements>
    <network_level/>
</network_elements>
```

By something similar to this :

```
<network_elements>
    <network_level>bsc</network_level>
    <network_element>
        <ne_id>ELGBS15</ne_id>
        <product_id>3</product_id>
        <map_zone_id>BH</map_zone_id>
    </network_element>
    <network_element>
        <ne_id>EOGBS01</ne_id>
        <product_id>3</product_id>
        <map_zone_id>SD</map_zone_id>
    </network_element>
    <network_element>
        <ne_id>ELGBS08</ne_id>
        <product_id>3</product_id>
        <map_zone_id>IQ</map_zone_id>
    </network_element>
    <network_element>
        <ne_id>EABBS02</ne_id>
        <product_id>3</product_id>
        <map_zone_id>KW</map_zone_id>
    </network_element>
    <network_element>
        <ne_id>EOGBS02</ne_id>
        <product_id>3</product_id>
        <map_zone_id>SA</map_zone_id>
    </network_element>
</network_elements>
```

You can specify the map central point and the desired zoom (from 0 to 10) level on load.

You can use this website to determine the central point : <http://itouchmap.com/latlong.html>

Edit this node :

```
<map_zoom>
  <zoom_level/>
  <zoom_latitude/>
  <zoom_longitude/>
</map_zoom>
```

To smoothing similar to this (adapt numbers to desired point, zoomlevel is an integer in the 1-10 range):

```
<map_zoom>
  <zoom_level>5</zoom_level>
  <zoom_latitude>24.380458</zoom_latitude>
  <zoom_longitude>44.956055</zoom_longitude>
</map_zoom>
```

If you don't edit this map_zoom node, default zoom and central point will be used.

You can also set the time period for the trend.

Edit this node :

```
<units_number>48</units_number>
```

The same goes for default time level of trend and donut.

Edit these nodes if needed :

```
<trend_time_level>hour</trend_time_level>
<donut_time_level>day</donut_time_level>
```

Your tab manual configuration is now finished.
You should repeat these steps for each new tab.

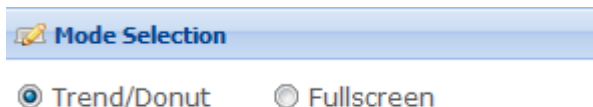
Warning : be sure to set the right access rights to the modified files.

5.4. MAP TAB CONFIGURATION

Once step **Erreur ! Source du renvoi introuvable.** has been done.


Open the configuration panel.



Select map display.





Select indicator(s).


In Trend/Donut mode :




Map

Select the trend indicator




Select the donut indicator





In Fullscreen mode :




Map


Select the trend indicator



Click on Add


Map *

Select the trend indicator



Select the donut indicator



Add

move

Trend KPI	Donut KPI

No indicators selected

Title:

Trend Unit:

Type:

Threshold min:

Threshold max:


☒ Dynamic scale



Scale min:



Scale max:

Donut Unit:


Click on the newly added record, and fill the form with desired details.


Map *

Select the trend indicator



Select the donut indicator



Add	Remove
Trend KPI	Donut KPI
Call Drops Number (Nb)	Call Setup Success Rate ...



Title:

Trend Unit:

Type:

Threshold min:

Threshold max:

☒ Dynamic scale

Scale min:

Scale max:

Donut Unit:

Then click on Save on bottom.

☐ Display
☐ Save

Your indicator(s) group is now set.

Repeat step **Erreur ! Source du renvoi introuvable.** for each group you want to add.

If you want to remove a group, select it, then click on Remove, then on Save.

You can even reorder the groups by drag and drop. Click on Save to save changes.

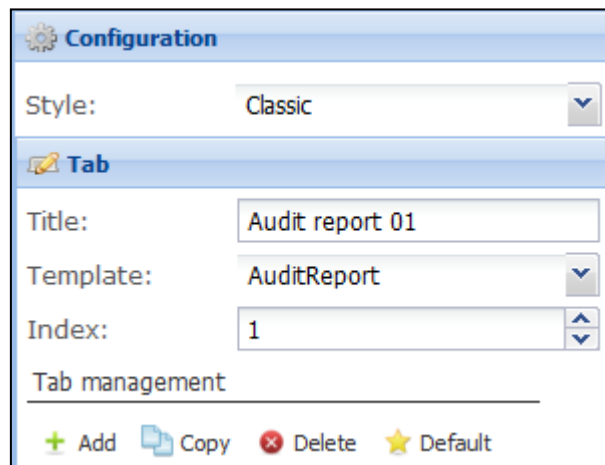
6. TEMPLATE AUDIT REPORT CONFIGURATION

6.1. TEMPLATE ACTIVATION

First of all, the template “Audit report” has to be activated with the following SQL request on the T&A Gateway database:

```
UPDATE sys_templates_list SET visible=1 WHERE label='AuditReport';
```

So, the template “Audit report” will be available in the templates list of the configuration panel:



6.2. FILE CONFIG/GENERAL.XML

This XML file contains the configuration common to all users and all templates, ex: parameters shared between Cells Surveillance tabs and Audit report tabs. It lets us choose:

- the penalization mode: “reference period” is the only mode supported for the moment.
- the number of months between the current month and the reference month: this number is taken in account only if the penalization mode is “reference period”.

```
<?xml version="1.0" encoding="UTF-8"?>
<general>
  <gauges_ie>0</gauges_ie> <!-- 1 : Use IE gauges / Anything else : Use default -->
  <autorefreshtimer>10000</autorefreshtimer><!-- Delay in milliseconds for autorefresh feature -->

  <!-- Audit Report and Cells Surveillance configuration -->

  <!-- penalisation mode for audit report and cells surveillance : 0 reference period or 1 consecutive period -->
  <penalizationmode>0</penalizationmode>

  <!-- number of months before current month for penalization reference, set to 3 by default-->
  <referenceperiod>3</referenceperiod>
</general>
```

6.3. FILE CONFIG/DEFAULT/HOMEPAGE.XML

This XML file contains the default configuration for each new user.

6.3.1. CALCULATION OF PENALTIES/WARNINGS

6.3.1.1. CALCULATION MODE

Some parameters let us configure the number of “days in fault”, it means how many days a cell should be in fault in order to be qualified for penalty/warning. This configuration is common to all tabs of current user:

```
<?xml version="1.0" encoding="UTF-8"?>
<homepage>
  <style>classic</style>

  <!-- Mode of calculation, possible values: 1 for ratio / 2 for number of days -->
  <selectedmode>1</selectedmode>

  <!-- Percentage of month taken in account if mode ratio, ex: 0.3 (no comma) -->
  <ratioforpenalization>0.50</ratioforpenalization>

  <!-- Number of days in month taken in account if mode numberofdays -->
  <numberofdaysforpenalization></numberofdaysforpenalization>

  <tab id="tab1">
    ...
</homepage>
```

Be careful: do not invert the two XML elements `<ratioforpenalization>` and `<numberofdaysforpenalization>` in order to keep consistency with the value of `<selectedmode>`.

6.3.2. TABS

6.3.2.1. TAB CREATION

For the moment, adding a new Audit report tab is not possible with the configuration panel. Each new tab must be created by adding an XML element `<tab>` in the file “config/default/homepage.xml”:

```
<?xml version="1.0" encoding="UTF-8"?>
<homepage>
  ...
  <tab id="tab5">
    ...
  </tab>
  <tab id="tab6">
    ...
  </tab>
</homepage>
```

Be careful: the tab numbers must be incremental (Cf. value “X” in `<tab id="tabX">`).

6.3.2.2. TAB CHARACTERISTICS

The XML element `<tab>` let us configure the following characteristics:

- the name of the tab (ex: `<title>Audit report 01</title>`),
- the template applied (`<template>template9</template>`),
- the product ID (ex: `<sdp_id>2</sdp_id>` where sdp refer to the table sys_definition_product in database), given by the following SQL request on the T&A Gateway database:

```
SELECT sdp_label, sdp_directory, sdp_id FROM sys_definition_product;
```

- the ID of the static alarms taken into account for the calculation of penalties/warnings, given by the following SQL request on the slave database:

```
SELECT alarm_id , alarm_name, family FROM sys_definition_alarm_static
WHERE time='day' AND network='cell' AND critical_level='critical' AND on_off='1';
```

- the description of the graphs (Cf. § “Graphs” below).

Example:

```
<tab id="tab1">

  <!-- Tab title -->
  <title>Audit report 01</title>

  <!-- Template ID, ex: template9 for Audit report -->
  <template>template9</template>
  <widgets>
    <widget id="chart1">

      <!-- Unused if template Audit report -->
      <title>unused</title>
      <url>unused</url>
      <function>unused</function>
      <widget_links>unused</widget_links>

      <!-- Product ID, extracted from table sys_definition_product -->
      <sdp_id>2</sdp_id>

      <!-- ID of the alarms used to calculate warnings/penalties, Cf. table sys_definition_alarm_static -->
      <calc_alarms>
        <alarm>
          <id>sdas.2a8d4268d924f69297f71f25d8f5d5cc</id>
        </alarm>
        <alarm>
          <id>sdas.5bd43e86eb9d09d36f2d60e35baaa9ee</id>
        </alarm>
        ...
      </calc_alarms>

      <!-- List of the alarms graph (reliability graphs et summary graphs are not described here) -->
      <graph_list>
        ...
      </graph_list>
    </widget>
  </widgets>
</tab>
```

NB: a widget represents a group of graph (ex: a gauge associated to a trend, in a template “gauges & trends”). For the moment, at least 2 widgets must be present in a tab, so in our case:

- a 1st widget contains all the graphs,
- a 2nd widget is useless and described by an empty XML element (<widgets/>).

6.3.3. DEFAULT SELECTED PERIOD

It can't be configured via the XML configuration files.

Its value is the month of the last integrated data, found with this type of SQL request:

```
SELECT MAX (day) as date FROM edw_eribss_bss_axe1_kpi_cell_day;
```

6.3.4. GRAPHS

6.3.4.1. RELIABILITY GRAPH DEFINITION

For the moment, one (and only one) reliability graph is systematically present in each tab “Audit report”. No XML configuration is available for this type of graph.

6.3.4.2. ALARMS GRAPH DEFINITION

For each alarm graph, we have to fill:

- a unique graph ID (<graph id="graph_1">),
- the graph type: only the value “alarm” is accepted for the moment (“reliability”/“summary” in the future),
- the number of month to be displayed as history (<history>4</history>),
- the ID of the static alarms to be displayed (<alarms_display> ...).

```
<graph_list>
  <graph id="graph_1">
    <name>unused</name>

    <!-- Type of this graph: reliability/alarm/summary -->
    <type>alarm</type>

    <!-- Number of month displayed as history -->
    <history>4</history>

    <!-- Activate/Inactivate the loading the alarms pie chart associated to this graph -->
    <pie_chart>0</pie_chart>

    <!-- Alarms displayed in this graph -->
    <alarms_display>
      <id>sdas.2a8d4268d924f69297f71f25d8f5d5cc</id>
      <id>sdas.5bd43e86eb9d09d36f2d60e35baaa9ee</id>
    </alarms_display>
  </graph>
</graph_list>
```

6.3.4.3. SUMMARY GRAPH DEFINITION

For the moment, one (and only one) summary graph is systematically present in each tab “Audit report”. No XML configuration is available for this type of graph.

6.3.5. EXAMPLE OF MINIMUM CONFIGURATION

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- This file is used to memorize the configuration for one user. -->
<homepage>
  <style>classic</style>

  <!-- Mode of calculation, possible values: 1 for ratio / 2 for number of days -->
  <selectedmode>2</selectedmode>

  <!-- Percentage of month taken in account if mode ratio, ex: 0.3 (no comma) -->
  <ratioforpenalization/>

  <!-- Number of days in month taken in account if mode numberofdays -->
```

```

<numberofdaysforpenalization>2</numberofdaysforpenalization>

<!-- Tab internal ID -->
<tab id="tab1">

    <!-- Tab title -->
    <title>Audit report 01</title>

    <!-- Template ID, ex: template9 for Audit report -->
    <template>template9</template>
    <widgets>
        <widget id="chart1">

            <!-- Unused if template Audit report -->
            <title>unused</title>
            <url>unused</url>
            <function>unused</function>
            <widget_links>unused</widget_links>

            <!-- Product internal ID, extracted from table sys_definition_product -->
            <sdp_id>2</sdp_id>

            <!-- Internal ID of the alarms used to calculate warnings/penalties, Cf.
table sys_definition_alarm_static -->
            <calc_alarms>
                <alarm>
                    <id>sdas.2a8d4268d924f69297f71f25d8f5d5cc</id>
                </alarm>
                <alarm>
                    <id>sdas.5bd43e86eb9d09d36f2d60e35baaa9ee</id>
                </alarm>
            </calc_alarms>

            <!-- List of the alarms graph (reliability graphs et summary graphs are not
described here) -->
            <graph_list>
                <graph id="graph_1">

                    <!-- Unused if template Audit report -->
                    <name>unused</name>

                    <!-- Type of this graph: reliability/alarm/summary -->
                    <type>alarm</type>

                    <!-- Number of month displayed as history -->
                    <history>4</history>

                    <!-- Activate/Inactivate the loading the alarms pie chart
associated to this graph -->
                    <pie_chart>0</pie_chart>

                    <!-- Alarms displayed in this graph -->
                    <alarms_display>
                        <id>sdas.2a8d4268d924f69297f71f25d8f5d5cc</id>
                        <id>sdas.5bd43e86eb9d09d36f2d60e35baaa9ee</id>
                    </alarms_display>
                </graph>
            </graph_list>
        </widget>

        <!-- Empty widget - do not delete please -->
        <widget/>
    </widgets>
</tab>
</homepage>

```

7. CONFIGURATION RESTORE

In some case, you might want to restore a user specific configuration directory.

During a patch installation, a backup of previous configuration (for all users) directory is made under:

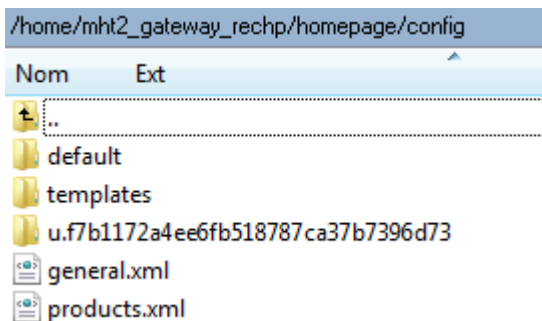
/homepage/backup/ backup_config_preinstall_{product_name}_{product_version}_timestamp

Example : *backup_config_preinstall_homepage_myhomepage_1.2.0.07_2013.06.12-18.10.tar.gz*

By extracting this directory:

tar -zxvf backup_config_preinstall_homepage_myhomepage_1.2.0.07_2013.06.12-18.10.tar.gz

You now have every users' configuration in the dir named with the user_id.



If you want to restore all of the config (every users), do so:

//remove old config dir and its content (warning : you'll lose data, make a backup if needed)

rm -rf /home/{app_name}/homepage/config/

//copy the backup to homepage

cp -r /home/{app_name}/homepage/backup/config/ /home/{app_name}/homepage/

//restore the right owner and group on the config dir

chown astellia:astellia -R /home/{app_name}/homepage/config

//set file permissions

chmod 777 -R /home/{app_name}/homepage/config

To avoid any malfunction of MyHomepage, in general, files and directories in *config* directory should have as owner *astellia*, owner group *astellia* and should be set to write permission.

To determine user rights :

```
-bash-3.2$ ls -l
total 20
drwxrwxrwx 3 astellia astellia 4096 Jan 31 16:23 default
-rwxrwxrwx 1 astellia astellia 614 Jan 15 15:47 general.xml
-rwxrwxrwx 1 astellia astellia 87 Dec 5 11:11 products.xml
drwxrwxrwx 2 astellia astellia 4096 Jan 31 16:23 templates
drwxrwxrwx 3 astellia astellia 4096 Jan 31 16:23 u.f7b1172a4ee6fb518787ca37b7396d73
```

In yellow are highlighted, file permissions for read , write and execute, for respectively user, group and others). Then owner and owner group.