

Grafana plugin modification

Blendstat Panel

First steps:

- Install Ubuntu in a Virtual Machine.
- Install Grafana and a Data source, in this case Prometheus with node exporter.
- Install Blendstat Panel plugin.
- Install nodejs, npm and grunt.
- Research about how to modify a plugin in Grafana.
- Research about how to create a plugin in Grafana.
- Research about how it works a plugin in Grafana.

Plugin Directory Structure

“dist” = distribution.

“src” = source. In this part we do the plugin modification.

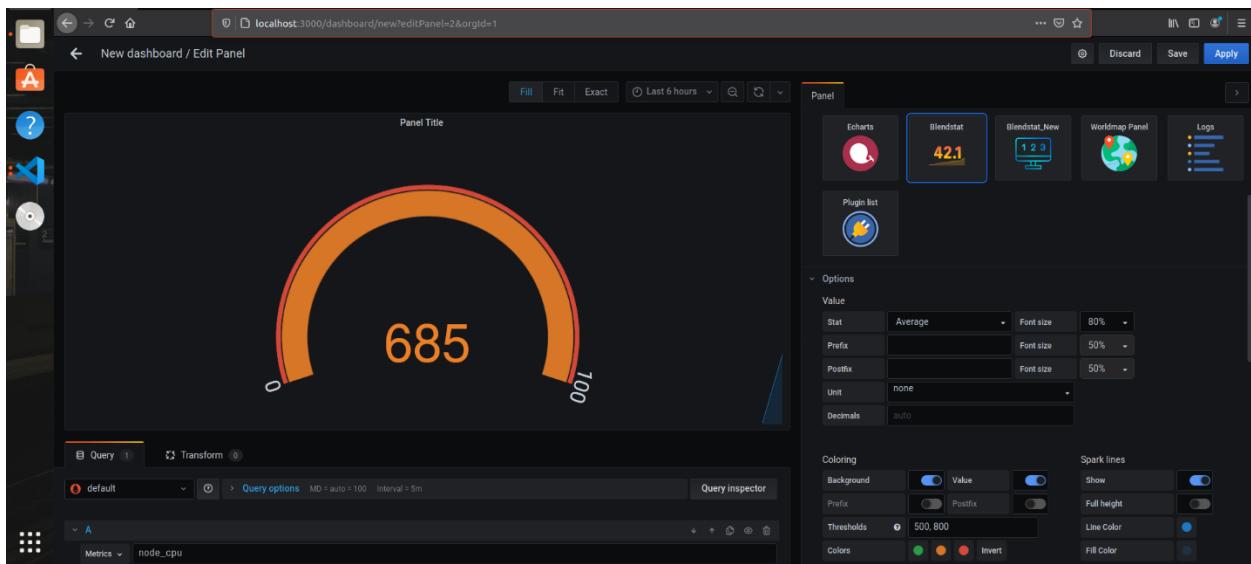
C. Plugin directory structure

Folder Name	Definition
dist	Grunt compilation
src	> plugin.json, basic information about the plugin > css, style file > img, image file > partials, HTML documents > js documents
Gruntfile.js	Grunt compilation script
Package.json	Plugin item configuration information and required dependency package information
README.md	Introduction of the plugin's functions

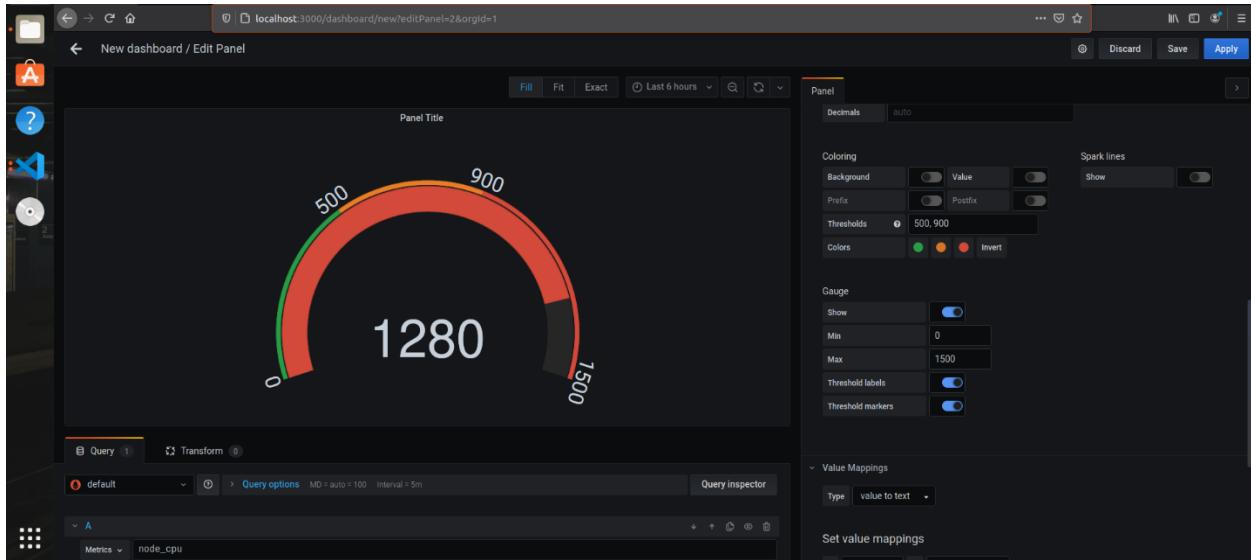
Blendstat Plugin Structure

```
oct 6 10:51
editor.html module.ts module.html
blendstat-grafana > src > module.ts > BlendStatCtrl > link > addGauge > gaugeOptions > centralLabel
12 // furnished to do so, subject to the following conditions:
13
14 // The above copyright notice and this permission notice shall be included in all
15 // copies or substantial portions of the Software.
16
17 // THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
18 // IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
19 // FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
20 // AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
21 // LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
22 // OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
23 // SOFTWARE.
24
25 import "jquery.flot";
26 import "./lib/flot/jquery.flot.gauge";
27 import "jquery.flot.time";
28 import "jquery.flot.crosshair";
29
30 import _ from "lodash";
31 import $ from "jquery";
32 // import 'vendor/flot/jquery.flot';
33 // import 'vendor/flot/jquery.flot.gauge';
34 // import 'app/features/dashboard/panellinks/link_srv';
35
36 import kbn from "app/core/utils/kbn";
37 import config from "app/core/config";
38 import TimeSeries from "app/core/time_series";
39 import { MetricsPanelCtrl } from "app/plugins/sdk";
40 import { GaugeChart } from "./lib/flot/gauge-chart";
41
42 const BASE_FONT_SIZE = 38;
43
44 class BlendStatCtrl extends MetricsPanelCtrl {
    ...
}
Compile Hero: Off Ln 702, Col 37 Spaces: 2 UTF-8 LF TypeScript Go Live 4.0.2 Prettier
```

This is how it looks like right now.



This is the part of the Gauge.



As you can see it hasn't an indicator in the gauge and the colors aren't the best also contains a prefix and postfix section but the problem is that all the information can't fit in the middle of the gauge.



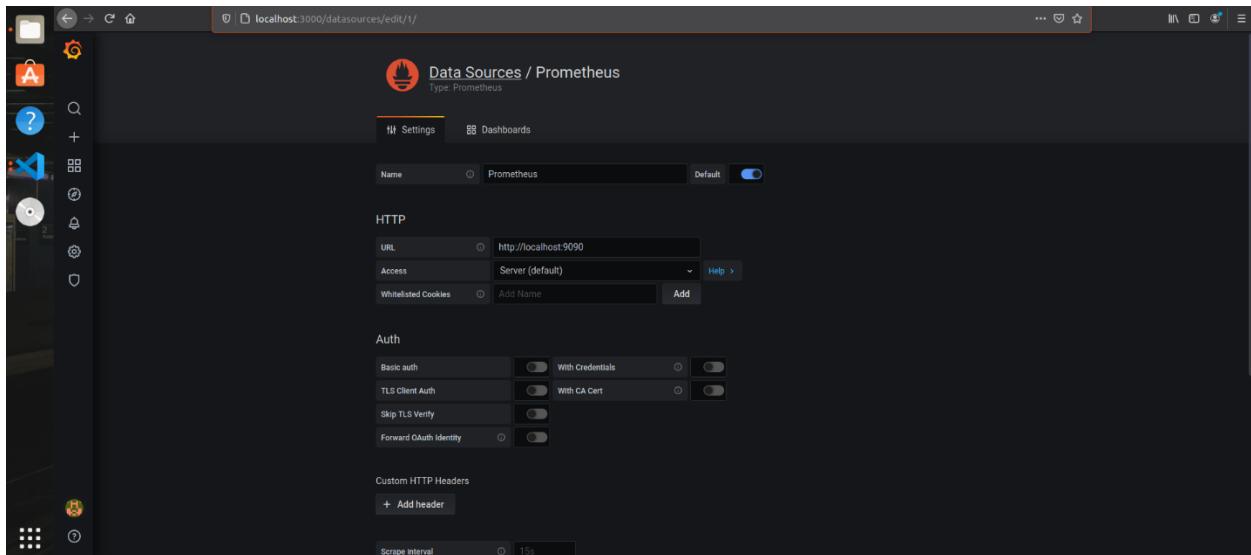
So, we need to fix that and adjust the colors and add an indicator for the value.

First, we need to make it work.

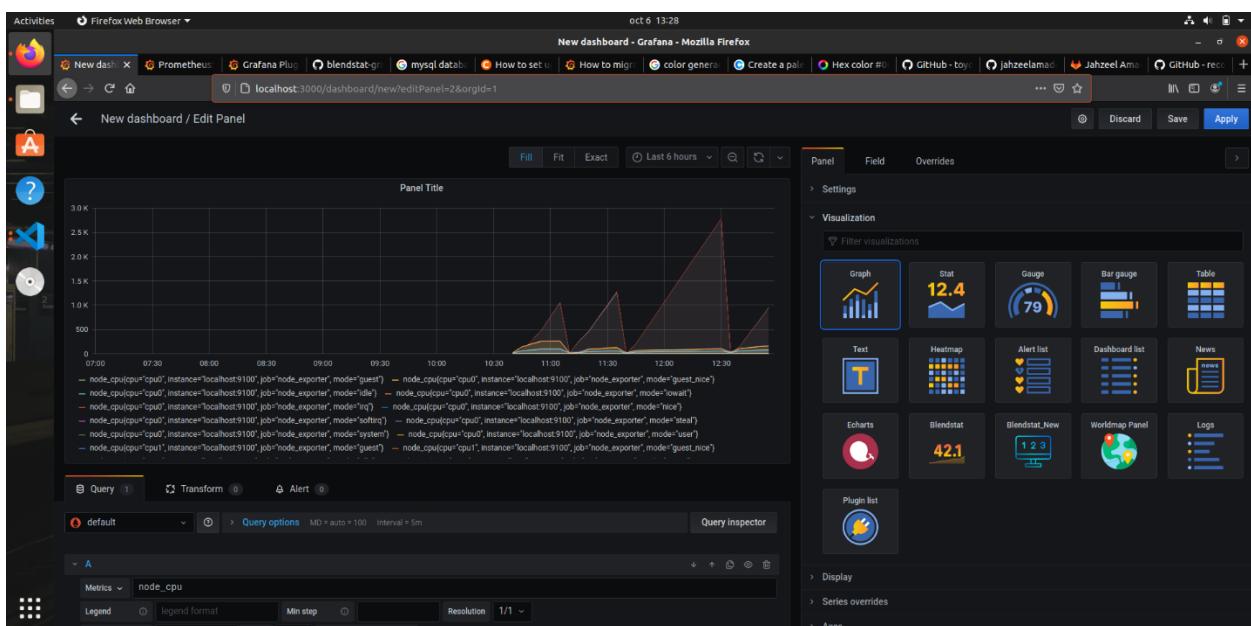
For that I use Prometheus with Node exporter as a Datasource so I installed Prometheus. So with Prometheus you can collect data and in this case I use Node exporter to collect my laptop data. And in that way with Grafana I can explore the data of my machine with Prometheus.

Do the Prometheus installation and add the Datasource in Grafana.

As you can see once you installed Prometheus the only thing that you need to do when you are adding the Prometheus as Datasource is adding the url where Prometheus is running and that's it.



Now verify that is actually working.



The next step is installed the plugin and for that you need to go to the official page of Grafana plugins, search for the plugin and follow the instructions.

The installation its simple, you just need to copy and paste one command in the Grafana plugin directory.

Installing on a local Grafana:
For local instances, plugins are installed and updated via a simple CLI command.
Plugins are not updated automatically, however you will be notified when updates are available right within your Grafana.

① Install the Panel
Use the grafana-cli tool to install Blendstat from the commandline:
`grafana-cli plugins install farski-blendstat-panel`

The plugin will be installed into your grafana plugins directory; the default is /var/lib/grafana/plugins. More information on the cli tool.

Note: Grafana 3.0 or greater is required to install and use plugins. Download Grafana latest.

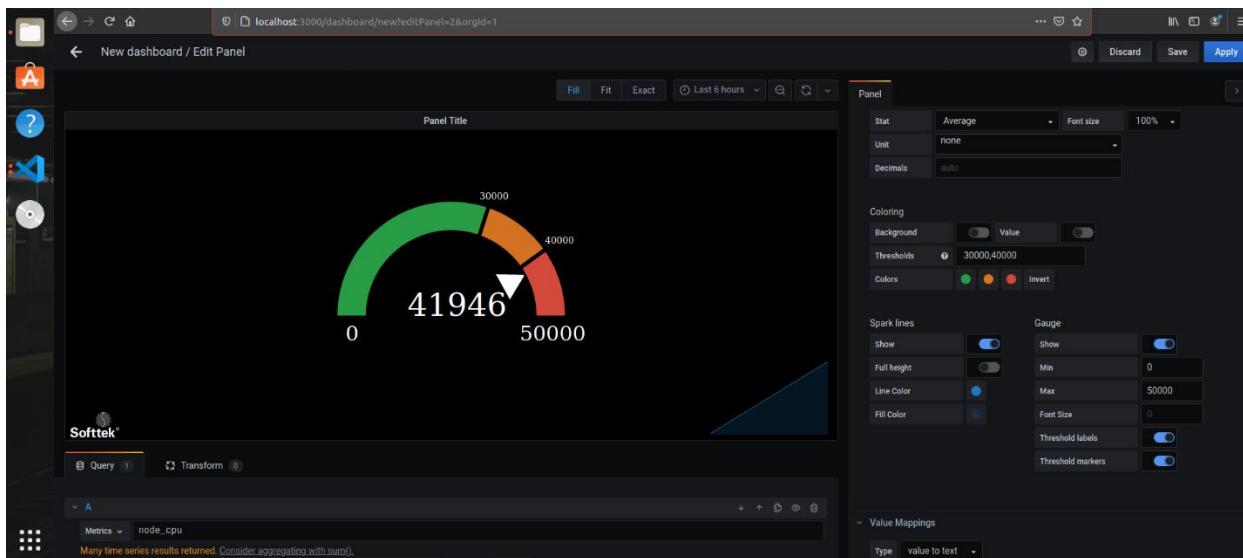
Alternatively, you can manually download the .zip file and unpack it into your grafana plugins directory.

② Add the Panel to a Dashboard
Installed panels are available immediately in the **Dashboards** section in your Grafana main menu, and can be added like any other core panel in Grafana.

To see a list of installed panels, click the Plugins item in the main menu. Both core panels and installed panels will appear.

And with that you installed the plugin and you can see in the previous pages how this plugin works.

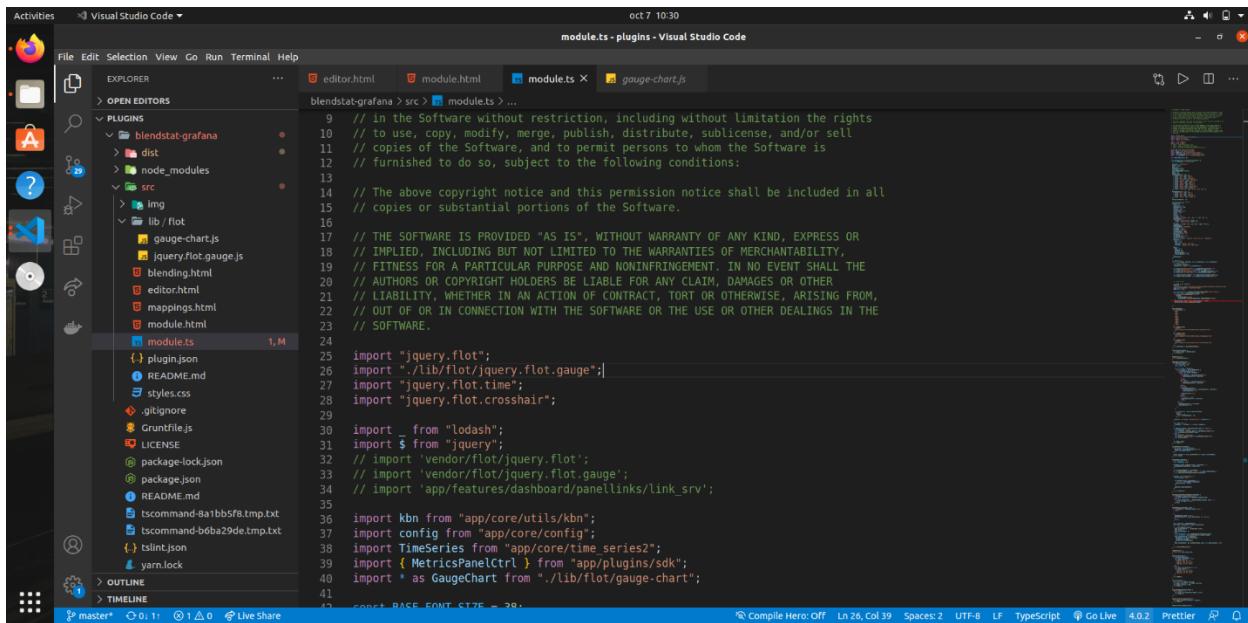
So now this is the final result after all the changes.



Plugin Source Code

If you want to modify this plugin, I did the modification in the next files:

- module.ts
- module.html
- editor.html
- plugin.json
- gauge-chart.js library



```
oct 7 10:30
File Edit Selection View Go Run Terminal Help
File Explorer View Editor Search Run Terminal Help
REPL
editor.html module.html module.ts gauge-chart.js
blendstat-grafana > src > module.ts ...
9 // In the Software without restriction, including without limitation the rights
10 // to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
11 // copies of the Software, and to permit persons to whom the Software is
12 // furnished to do so, subject to the following conditions:
13
14 // The above copyright notice and this permission notice shall be included in all
15 // copies or substantial portions of the Software.
16
17 // THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
18 // IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
19 // FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
20 // AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
21 // LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
22 // OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
23 // SOFTWARE.
24
25 import "jquery.flot";
26 import "./lib/flot/jquery.flot.gauge";
27 import "jquery.flot.time";
28 import "jquery.flot.crosshair";
29
30 import _ from "lodash";
31 import $ from "jquery";
32 // import vendor/flot/jquery.flot;
33 // import vendor/flot/jquery.flot.gauge;
34 // import 'app/features/dashboard/panellinks/link_srv';
35
36 import kbn from "app/core/utils/kbn";
37 import config from "app/core/config";
38 import TimeSeries from "app/core/time_series2";
39 import { MetricsPanelCtrl } from "app/plugins/sdk";
40 import * as GaugeChart from "./lib/flot/gauge-chart";
41
42 export const BASE_FONT_SIZE = 20;
```

Code changes.

After I made changes in the original code with the original gauge library, I did changes but I didn't solve the problems and I realized that the current library has limitations so for that I decided to use and import a new library. This new library is the gauge-chart.js from this repo <https://github.com/recogizer/gauge-chart> so imported the library.

Now the first change that I made was in the plugin.json so in that file I changed the name of the plugin "Blendstat_New" and imported the icon of the plugin.

```

oct 7 12:06
plugin.json - plugins - Visual Studio Code

blendstat-grafana > src > {} plugin.json > ...
editor.html module.html module.ts plugin.json

1 {
2   "type": "panel",
3   "name": "Blendstat_New",
4   "id": "farski-blendstat-panel_new",
5
6   "info": {
7     "description": "Blendstat Panel for Grafana",
8     "author": {
9       "name": "Christopher Kalafarski",
10      "url": "https://github.com/farski/blendstat-grafana"
11    },
12    "keywords": ["blendstat", "grafana", "panel"],
13    "logos": {
14      "small": "img/numbers(1).svg",
15      "large": "img/numbers(1).svg"
16    },
17    "version": "1.0.3",
18    "updated": "2020-9-21"
19  },
20
21  "dependencies": {
22    "grafanaVersion": "5.0.0",
23    "plugins": []
24  }
25
26

```

File Edit Selection View Go Run Terminal Help
OPEN EDITORS
EXPLORER
PLUGINS
blendstat-grafana
dist
node_modules
src
img
lib / flot
gauge-chart.js
jquery.flot.gauge.js
blending.html
editor.html
mappings.html
module.html
module.ts
plugin.json
README.md
styles.css
.gitignore
Gruntfile.js
LICENSE
package-lock.json
package.json
README.md
tscommand-8abbb5f8.tmp.txt
tscommand-b6ba29de.tmp.txt
tslint.json
yarn.lock
> OUTLINE
> TIMELINE
0 master* 0 1 △ 0 Live Share

To change the icon, first you need to add the icon/image in the “img” folder and then add it in the “logos” section.

The result of this changes.



Then the next thing is imported the library and for that I did a git clone in the blendstat plugin directory and ran the next command “npm install gauge-chart”. And now I have the new library added it in the node_modules directory of the plugin.

At this point I realized that somehow I can't make changes of the gauge with the plugin inside the node_modules and I didn't know why but even when I compiled the code I can't made changes so after a research I found a solution for this problem and in that way I can made changes of the gauge.

To solve this problem, I download the gauge library source out of the plugins Grafana directory.

This is de code structure and here I did the gauge changes, to be more specific in the gauge.ts file and as you can see the file names are intuitive so if you want to change another thing you can do it in the properly file.

```

oct 8 11:25
gauge.ts - gauge-chart-master - Visual Studio Code

File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
GAUGE-CHART-MASTER
dist
docs
gauge
bundle.js
index.d.ts
styles.css
src
gauge
gauge-interface.ts
gauge.css
gauge.specs
gauge.ts
index.ts
loggers
needle-interface.ts
param-checker.ts
custom-typings.d.ts
index.ts
webpack
.eslintrc
.gitignore
noekyll
.prettierignore
.prettierrc
outline
0 0 Live Share
src > gauge > gauge.ts > arcColorsModifier
if (arcDelimiters.length > arcColors.length - 1) {
  let colorDiff = arcDelimiters.length - arcColors.length + 1
  for (let i = 0; i < colorDiff; i++) {
    arcColors.push(schemePaired[i % schemePaired.length])
  }
} else if (arcDelimiters.length < arcColors.length - 1) {
  arcColors = arcColors.slice(0, arcDelimiters.length + 1)
}

return arcColors
}

/**
 * Function that checks whether value that needle points at is between 0 and 100.
 * If it is less than 0 or larger than 100, value is equated to 0 and 100 respectively.
 * @param needleValue - value at which needle points.
 * @returns modified needleValue.
 */
export function needleValueModifier(needleValue: number): number {
  return needleValue
}

/**
 * Function that converts percentage into radians.
 * @param perc - percentage.
 * @returns value in radians.
 */
export function perc2RadWithShift(perc: number): number {
  return (perc / 100 - 0.5) * Math.PI
}

/**
 * Function for drawing gauge arc.
 */

```

Compile Hero: Off Ln 19, Col 4 Spaces: 2 UTF-8 LF TypeScript Go Live 4.0.2 Prettier

Once I did the changes that I wanted, I did the build of the library to compile the changes so for that I checked the package.json

Here says what commands run to do the build, the initialization and the dev.

So I did the build.

```

oct 8 11:50
package.json - gauge-chart-master - Visual Studio Code

File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
GAUGE-CHART-MASTER
gauge
bundle.js
package.json
index.ts
loggers
needle-interface.ts
param-checker.ts
custom-typings.d.ts
index.ts
webpack
.eslintrc
.gitignore
noekyll
.prettierignore
.prettierrc
CHANGELOG.md
karma.conf.js
LICENSE
package-lock.json
package.json
README.md
tsconfig.json
tslint.json
typedoc.json
outline
0 0 Live Share
package.json > {} lint-staged > [ ] *.ts
{
  "name": "gauge-chart",
  "version": "0.5.3",
  "description": "A library for creating nice and flexible gauge charts.",
  "main": "dist/bundle.js",
  "types": "dist/index.d.ts",
  "scripts": {
    "start": "karma start",
    "test": "karma start",
    "watch:test": "npm run test -- --auto-watch --no-single-run",
    "dev": "webpack-dev-server --config webpack/dev.config.js --hot",
    "build": "ENV=production webpack --config webpack/prod.config.js",
    "build:prod": "ENV=prod warn webpack --config webpack/prod.config.js",
    "typedoc": "typedoc --out docs --exclude '**/*.spec.ts' ./src/",
    "precommit": "lint-staged",
    "fix-all-ts": "prettier --write src/**/*.{ts,js} && tslint --fix -c ./tslint.json 'src/**/*.{ts,js}'",
    "start": "npm run dev"
  },
  "lint-staged": {
    "**.ts": [
      "prettier --write",
      "tslint --fix -c ./tslint.json 'src/**/*.{ts,js}'",
      "git add"
    ]
  },
  "author": "Maxim Maltsev <maltsev@ya.ru>, Alexey Karpov <karpov@yandex.ru>",
  "license": "MIT",
  "devDependencies": {
    "@types/d3": "^4.13.2",
    "@types/jasmine": "^2.8.16",
    "@types/node": "^7.10.7",
    "@types/source-map": "^0.5.0",
    "@types/webpack": "^2.2.16",
    "awesome-typescript-loader": "^7.5.0"
  }
}

```

Live compilation

Compile Hero: Off Ln 19, Col 14 Spaces: 2 UTF-8 LF JSON Go Live Prettier

Once I ran the build, it generated the dist folder and inside the dist folder there is another folder where is all the gauge files but the one file that I need is the “bundle.js” file. This file contains all the code compiled.

What I did was copy this bundle.js file and pasted it in the lib folder of the Grafana plugin and changed the name for “gauge-chart.js”.

In that way I can make changes of the gauge but the only detail is that I need to do this procedure every time I need a change in the gauge.

Once I imported the new library I started with the changes.

First, I want to change the options that the plugin offers (right section).

I think the "Prefix" and "Postfix" aren't work for me so I decide to remove them.

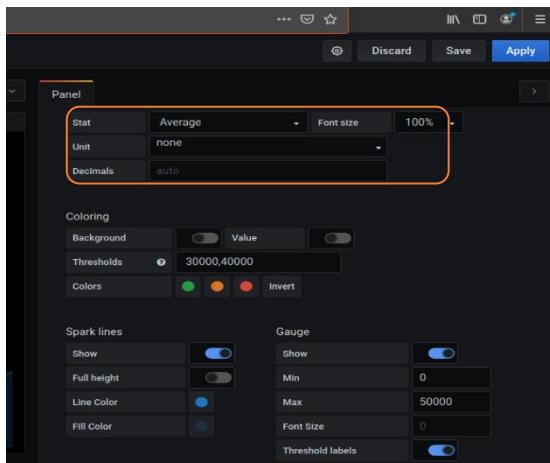


To remove these options, I need to modify the “editor.html” file.

The only thing that I'm doing is commenting the div where the options are and that's it. And all the options can be removing it from this file.

```
editor.html x module.html module.ts
blendstat-grafana > src > editor.html > editor.html > div.editor-row > div.section.gf-form-group > div > div.gf-form > label.gf-form-label.width-10
|_ </div>
|_ </div>
|_ <div class="gf.form">
|_ <label class="gf.form-label width-6">Font size</label>
|_ <div class="gf.form-select-wrapper">
|_ | <select class="gf.form-input" ng-model="ctrl.panel.valueFontSize" ng-options="f for f in ctrl.fontSizes" ng-change="ctrl.render()></select>
|_ </div>
|_ </div>
|_ <!-- <div class="gf.form-inline">
|_ <div class="gf.form">
|_ <label class="gf.form-label width-6">Prefix</label>
|_ <input type="text" class="gf.form-input width-12" ng-model="ctrl.panel.prefix" ng-change="ctrl.render()" ng-model-options="debounce: 500">
|_ <label class="gf.form-label width-6">Font size</label>
|_ <div class="gf.form-select-wrapper">
|_ | <select class="gf.form-input" ng-model="ctrl.panel.prefixFontSize" ng-options="f for f in ctrl.fontSizes" ng-change="ctrl.render()></select>
|_ </div>
|_ </div>
|_ </div> -->
|_ <!-- <div class="gf.form">
|_ <label class="gf.form-label width-6">Postfix</label>
|_ <input type="text" class="gf.form-input width-12" ng-model="ctrl.panel.postfix" ng-change="ctrl.render()" ng-model-options="debounce: 500">
|_ <label class="gf.form-label width-6">Font size</label>
|_ <div class="gf.form-select-wrapper">
|_ | <select class="input-small gf.form-input" ng-model="ctrl.panel.postfixFontSize" ng-options="f for f in ctrl.fontSizeOptions" ng-change="ctrl.render()></select>
|_ </div>
|_ </div> -->
|_ <div class="gf.form">
|_ <label class="gf.form-label width-6">Unit</label>
|_ <div class="gf.form-dropdown-typeahead width-18" ng-model="ctrl.panel.format" dropdown-typeahead2="ctrl.unitFormats" dropdown-typeahead="ctrl.unitFormatOptions" dropdown-typeahead-on="ctrl.render()></div>
|_ </div>
```

With that I remove the options.



The next thing to do is in the “module.ts” file so first I imported the gauge-chart library.

```
oct 6 10:51
module.ts - Visual Studio Code

editor.html module.ts module.html
blendstat-grafana > src > module.ts > BlendStatCtrl > link > addGauge > gaugeOptions > centralLabel
12 // furnished to do so, subject to the following conditions:
13
14 // The above copyright notice and this permission notice shall be included in all
15 // copies or substantial portions of the Software.
16
17 // THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
18 // IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
19 // FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
20 // AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
21 // LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
22 // OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
23 // SOFTWARE.
24
25 import "jquery.flot";
26 import "./lib/float/jquery.flot.gauge";
27 import "jquery.flot.time";
28 import "jquery.flot.crosshair";
29
30 import _ from "lodash";
31 import $ from "jquery";
32 // import 'vendor/float/jquery.flot';
33 // import 'vendor/float/jquery.flot.gauge';
34 // import 'app/features/dashboard/panellinks/link_srv';
35
36 import kbn from "app/core/utils/kbn";
37 import config from "app/core/config";
38 import TimeSeries from "app/core/time_series";
39 import { MetricsPanelCtrl } from "app/plugins/sdk";
40 import * as GaugeChart from './lib/float/gauge-chart';
41
42 const BASE_FONT_SIZE = 38;
43
44 class BlendStatCtrl extends MetricsPanelCtrl {
45   static templateFile = "module.html".
```

Now in this file I'm going to do all the plugin changes.

The next thing to do imported the Softtek logo and change the background color.

```
// Insert logo
//Create the element
let image = new Image(75);
// Import the image
image.src =
  "https://www.softtek.com/images/content/design2015/LogoCompleto-Website-20.png";
// To fix the logo position in the panel
image.style.transform = "translateY(-35px)";
image.id = "logo";
image.onmouseover = () => {
  image.src =
    "https://static.cinepolis.com/img/lg-cinepolis-new.png";
  image.style.transform = "translateY(-25px)";
};
image.onmouseleave = () => {
  image.src =
    "https://www.softtek.com/images/content/design2015/LogoCompleto-Website-20.png";
  image.style.transform = "translateY(-35px)";
};
// Here we create the logo in the panel
const panelContents = document.getElementsByClassName("panel-content");
for (let i = 0; i < panelContents.length; i++) {
  if (document.getElementById("logo")) {
    document
      .getElementById("logo")
      .parentElement.removeChild(document.getElementById("logo"));
  }
  // Here I change the background color and add the logo.
  panelContents.item(i).style.backgroundColor = "#000";
  panelContents.item(i).appendChild(image);
}
```

The next thing to do is add the new gauge and for that I go to the existing function “addGauge()” and add the new gauge.

```
editor.html module.html module.ts
blendstat-grafana > src > module.ts > BlendStatCtrl > link > addGauge > gaugeOptions
683 //Create the new gauge
684 let element = document.createElement('div');
685 element.id = 'gaugeArea';
686 // Element inside which you want to see the chart
687 let needleValue = parseFloat(getValueText());
688 // Properties of the gauge
689 let gaugeOptions = [
690   // needed options
691   hasNeedle: true,
692   outerNeedle: false,
693   needleColor: '#ffff',
694   needleStartValue: (needleValue / panel.gauge.maxValue) * 100,
695   needleUpdateSpeed: 100,
696   needleValue: (needleValue / panel.gauge.maxValue) * 100,
697   // arc options
698   arcColors: [...panel.colors], // Here we match the threshold colors; green, red and orange.
699   arcDelimiters: [...panel.thresholds.trim().split(",").map(parseFloat).filter(item => item > 0)].map((threshold) => {
700     console.log(threshold);
701     threshold = parseFloat(threshold);
702     let delimiter = (threshold / panel.gauge.maxValue) * 100;
703     return delimiter;
704   }),
705   arcPadding: 6,
706   arcPaddingColor: "#000",
707   arcLabels: data.thresholds, //the limit is 100
708   arcLabelFontSize: true,
709   arcOverEffect: true,
710   //arcOverEffect: false,
711   // label options
712   rangeLabel: [panel.gauge.minValue + "", panel.gauge maxValue + ""],
713   centralLabel: data.valueFormatted + "", //If you comment this line, appears the needle instead of the numbers value.
714   rangeLabelFontSize: panel.gauge.fontSize,
715   labelFontSize: 'Consolas',
716   colors: 'lighter
```

And also, I add the possibility to add text I want below the gauge and for that I add the next part.

```
oct 21 12:44
module.ts - plugins - Visual Studio Code

File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
File Edit Selection View Go Run Terminal Help
editor.html module.html module.ts
blendstat-grafana > src > modules > BlendStatCtrl > link > addGauge
711 // labelOptions
712 // rangeLabels: [panel.gauge.minValue + '', panel.gauge maxValue + ''] > above
713 rangeLabels: [panel.gauge.minValue + '', panel.gauge maxValue + ''], //If you comment this line, appears the needle instead of the numbers value
714 centralLabel: data.valueFormated + ''
715 rangeLabelFontSize: panel.gauge.fontSize,
716 labelsFont: 'Consolas',
717 color: 'white',
718
719 // // // // Drawing and updating the chart and add the Gauge in the panel
720 let gaugeChart = GaugeChart.gaugeChart(element, height > width:height, gaugeOptions);
721 // elem.append(plotCanvas);
722 elem.append(element);
723
724 //Insertion of the text below the Gauge
725 let textInsertion = document.createElement('div');
726 textInsertion.id = '#textInsertion';
727 textInsertion.style.textAlign = 'center';
728 textInsertion.style.transform = "translateY(-45px)";
729 textInsertion.style.fontFamily = "Consolas";
730 textInsertion.style.fontSize = panel.gauge.fontSizeText + 'px';
731 textInsertion.style.color = "#fff";
732 textInsertion.textContent = panel.gauge.textInsertion;
733 element.append(textInsertion);
734
735
736 tscmd-8a1bb5f8.tmp.txt
```

In this part I delete all about the other gauge and I only left the code of the new gauge.

And that's all the code that I changed and added in this file.

To make work the code in the previous file I need to make changes in other files.

Now I'm going to do the change in the module.html file, in this file I add the id of my new gauge and I add the style of the gauge.

And that's all the things that I do in this file.

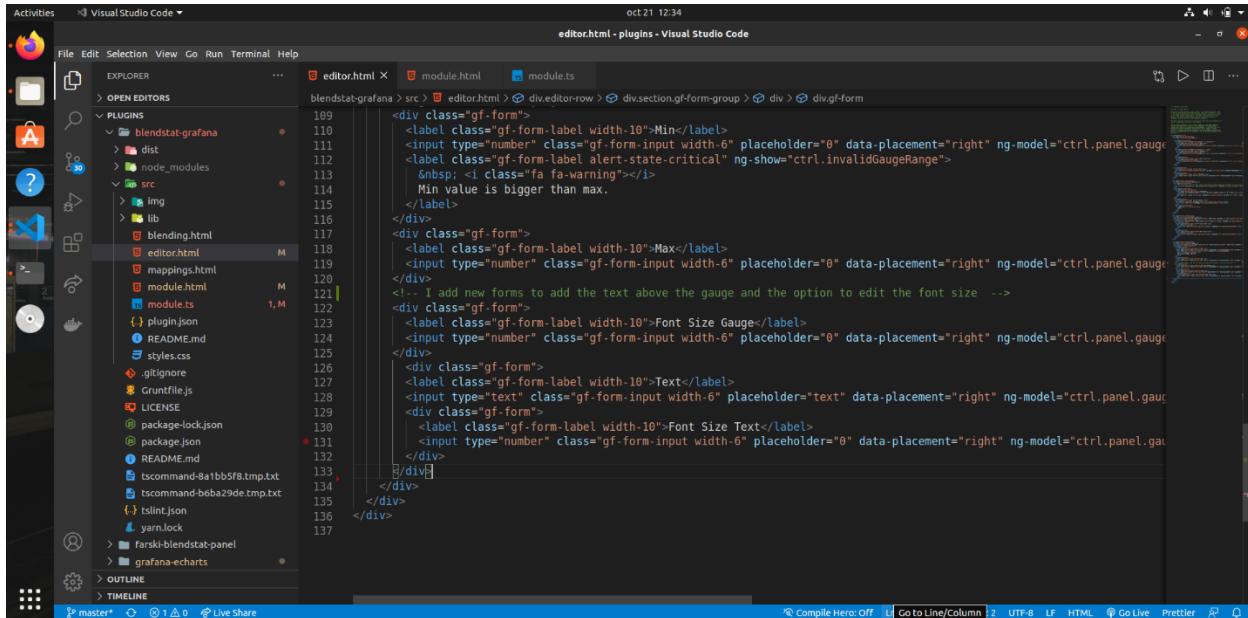
```
oct 21 12:21
module.html - plugins - Visual Studio Code

File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
File Edit Selection View Go Run Terminal Help
editor.html module.html module.ts
blendstat-grafana > src > module.html > ...
10 // see the Software, and to permit persons to whom the Software is
11 // furnished to do so, subject to the following conditions:
12 // above copyright notice and this permission notice shall be included in all
13 // copies or substantial portions of the Software.
14
15 E SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
16 PLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
17 TNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
18 THORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
19 ABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
20 T OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
21 FTWARE. -->
22
23 -- In this part I add the gauge id and add the styles of the gauge in the main panel -->
24 div class="singlestat-panel" id="gaugeArea" style="display: flex; justify-content: center; align-items: center; overflow: hidden;">
25
26 div>
27
```

Now I have to do some changes in the editor.html file.

Previously I did changes in this file, I removed some things from the options panel and now I need to add new options.

As you can see I added the options to add the text bellow the gauge and the option to edit the font size of the gauge text and the font size of the text bellow the gauge.



The screenshot shows the Visual Studio Code interface with the 'editor.html' file open in the center. The code is a snippet of HTML and CSS for a gauge component. A cursor is visible at line 121. The code includes labels for 'Min' and 'Max' values, and new sections for 'Font Size Gauge' and 'Text' below the gauge. The status bar at the bottom shows various icons and the message 'Compile Here: Off'.

```
oct 21 12:34
editor.html - plugins - Visual Studio Code

Activities File Edit Selection View Go Run Terminal Help

EXPLORER
OPEN EDITORS
blendstat-grafana
  > dist
  > node_modules
  > src
    > img
    > lib
      Blending.html
      editor.html M
      module.html M
      module.ts M, M
    { } plugin.json
    README.md
    styles.css
    .gitignore
    Grunfile.js
    LICENSE
    package-lock.json
    package.json
    README.md
    tscommand-8abbb5f8.tmp.txt
    tscommand-bebaz9de.tmp.txt
    { } tslint.json
    yarn.lock
  > rarsi-blendstat-panel
  > grafana-echarts
  > OUTLINE
  > TIMELINE

109 <div class="gf-form">
110   <label class="gf-form-label width-10">Min</label>
111   <input type="number" class="gf-form-input width-6" placeholder="0" data-placement="right" ng-model="ctrl.panel.gauge
112     &nbs
113       <i class="fa fa-warning"></i>
114       Min value is bigger than max.
115   </label>
116   </div>
117   <div class="gf-form">
118     <label class="gf-form-label width-10">Max</label>
119     <input type="number" class="gf-form-input width-6" placeholder="0" data-placement="right" ng-model="ctrl.panel.gauge
120       &nbs
121       <!-- I add new forms to add the text above the gauge and the option to edit the font size -->
122     <div class="gf-form">
123       <label class="gf-form-label width-10">Font Size Gauge</label>
124       <input type="number" class="gf-form-input width-6" placeholder="0" data-placement="right" ng-model="ctrl.panel.gauge
125     </div>
126     <div class="gf-form">
127       <label class="gf-form-label width-10">Text</label>
128       <input type="text" class="gf-form-input width-6" placeholder="text" data-placement="right" ng-model="ctrl.panel.gauge
129     </div>
130     <div class="gf-form">
131       <label class="gf-form-label width-10">Font Size Text</label>
132       <input type="number" class="gf-form-input width-6" placeholder="0" data-placement="right" ng-model="ctrl.panel.gauge
133     </div>
134   </div>
135 </div>
136 </div>
```

This is the final result.

