

TPV Group Technology Corp.	Cacti WeatherMap Installation and Setup	Code	
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Revision History

Section	Edition	Revised by	Date	Description
All	1.0	Jans Lien.	07/25/2024	New

Confidential Level	<input type="checkbox"/> Strictly Confidential	Scope: TPV/TP Vision	<input checked="" type="checkbox"/> All
	<input type="checkbox"/> Confidential		<input type="checkbox"/> Plant
	<input checked="" type="checkbox"/> Internal Use Only		

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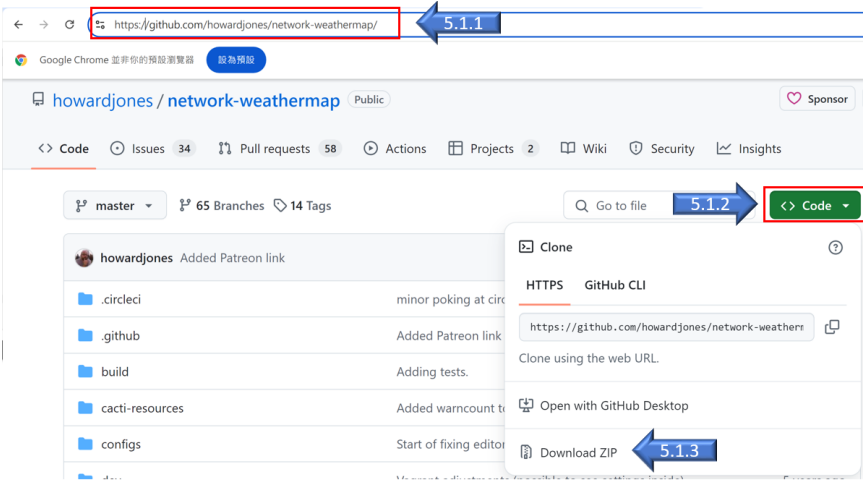
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	<input type="checkbox"/> Confidential		<input type="checkbox"/> Plant
	<input checked="" type="checkbox"/> Internal Use Only		

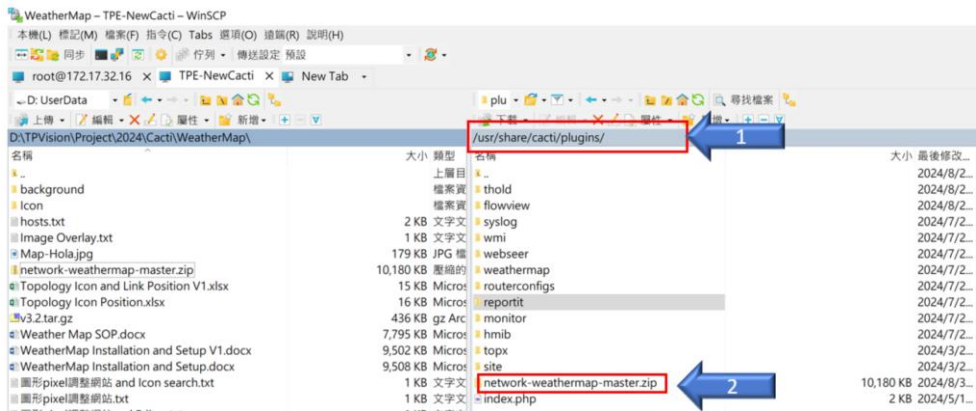
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- 1 Purpose :
- This SOP provides Cacti WeatherMAP plugins installation and setup for users’ reference.
- 2 Scope :
- TPV.
- 3 Definition :
- None.
- 4 Reference :
- None.
- 5 Contents :
- 5.1 Download WeatherMap Plugins
- 5.1.1 Connect to <https://github.com/howardjones/network-weathermap/>
- 5.1.2 Click “Code” button.
- 5.1.3 Select “Download Zip”



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5.2 Put WeatherMap ZIP file to Cacti Server via SFTP.
Put WeahterMAP zip file to **/usr/share/cacti/plugins** on Cacti server.



5.3 Unzip WeatherMap Plugins
Login Cacti server via SSH then unzip WeatherMap zip file and run following command marked with yellow color.
Unzip network-weathermap-master.zip

```
root@twtpsvhq018:/usr/share/cacti/plugins
[root@twtpsvhq018 plugins]# pwd
/usr/share/cacti/plugins
[root@twtpsvhq018 plugins]# unzip network-weathermap-master.zip
```

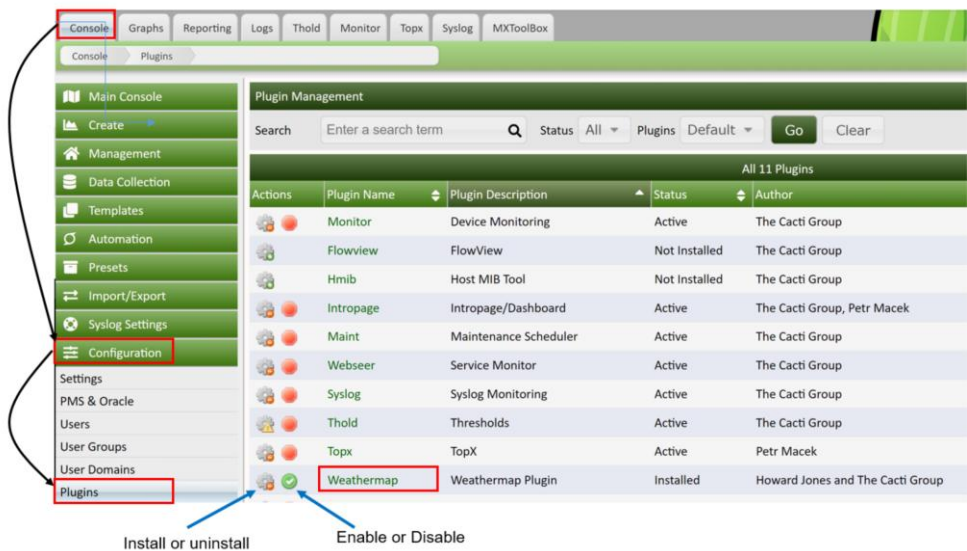
mv network-weathermap-master weathermap
chmod -R 777 weathermap

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5.4 WeatherMap Installation & Active

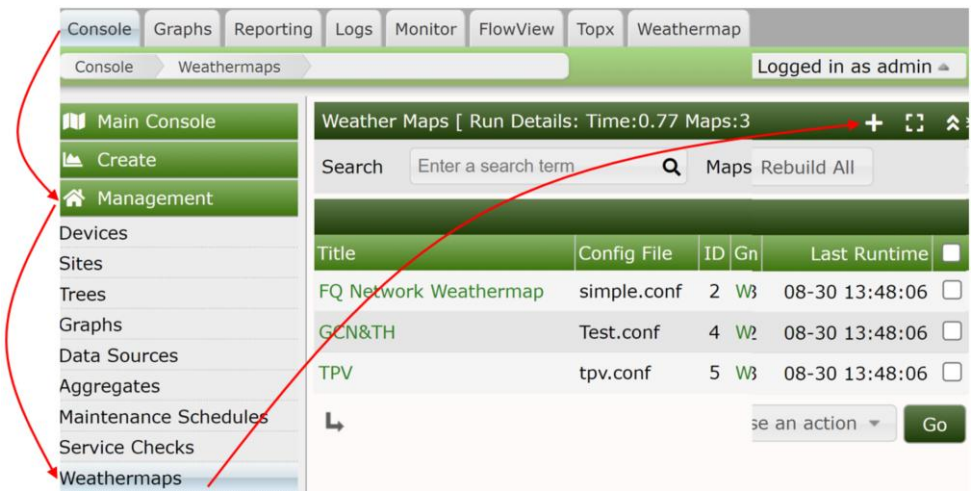
Login Cacti→ Console→Configuration→ Plugins:

Please click the settings button (gear icon) to install the WeatherMap Plugin, and then enable the WeatherMap Plugin.



5.5 WeatherMap Configuration

Select “Console” Tab then navigate to “Management” → “WeatherMap” to do the network topology setup.



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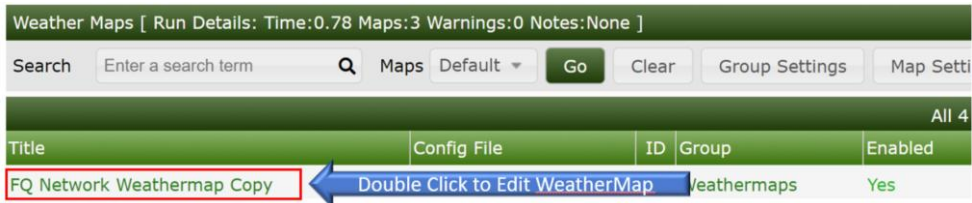
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5.6 WeatherMAP Setup

Select “+” button to create new WeatherMap network topology.
Define the Name of WeatherMap and fill it in “New Map” field the select “simple.conf” on “Source Map” option then click “Create” button.

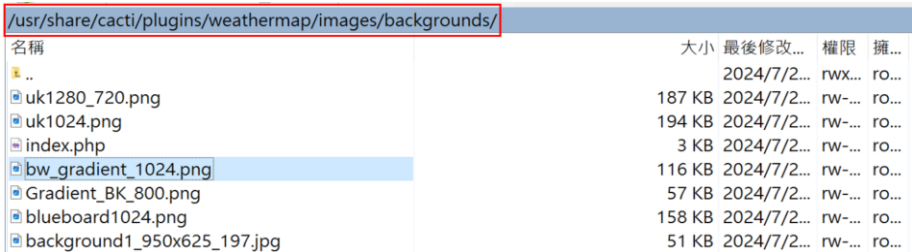


Double click following item to edit WeatherMap.

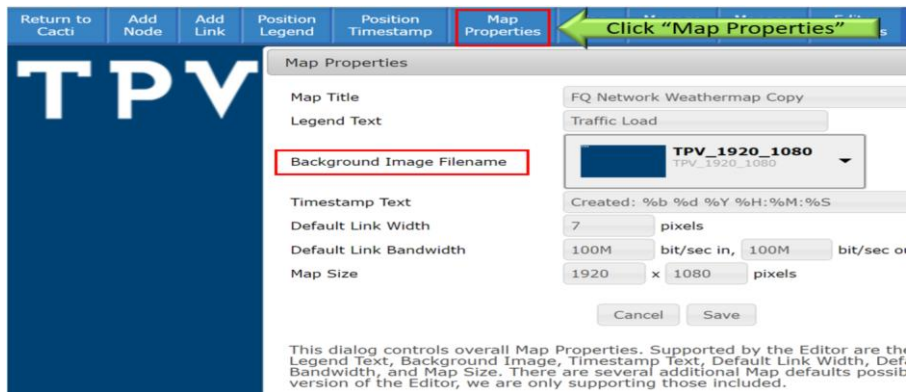


5.7 WeatherMAP Background change.

- ♦ Put the picture (.png or .jpg file) of background to following path on Cacti server for background change.



- ♦ Click “Map Properties” and select “Background Image Filename “ to change the background of the Map

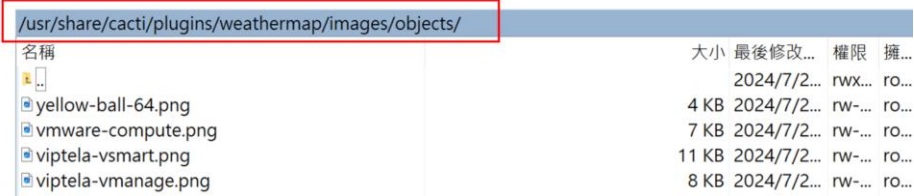


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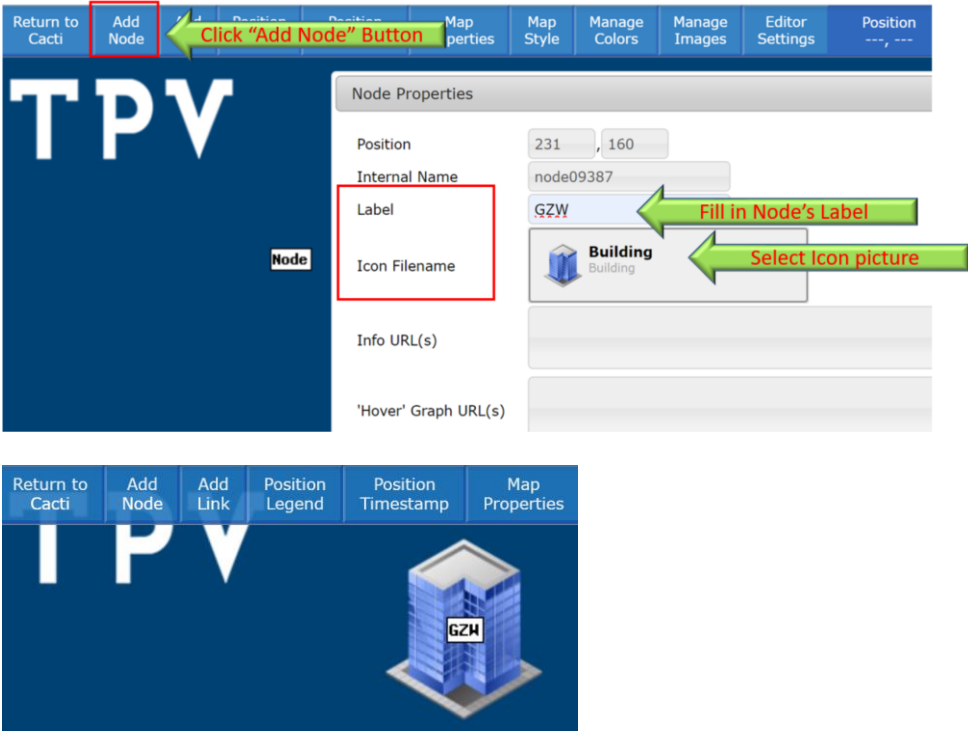
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5.8 WeatherMAP Node Setup.

- ♦ Put the picture (.png or .jpg file) of Node’s icon to following path on Cacti server for Node’s icon change.



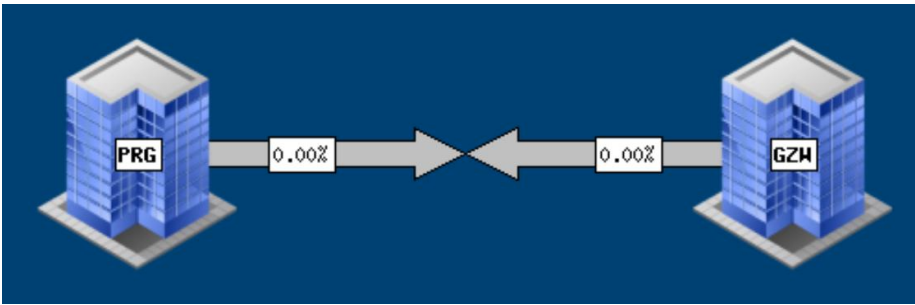
- ♦ Click “Add Node” button to create network node on Weatheramp. You can move mouse cursor to put the node location where you want.
- ♦ You can double click the “Node” on the map to change Icon or the Label of the Node.



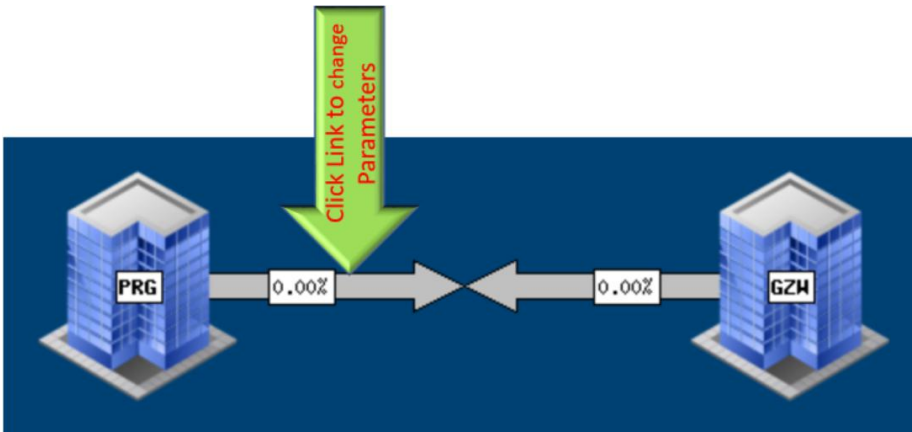
Confidential Level	<input type="checkbox"/> Strictly Confidential	Scope: TPV/TP Vision	<input checked="" type="checkbox"/> All
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5.9 WeatherMAP Link Setup.

- Click “Add Link” button to create the connection between Nodes. Click first Icon (PRG) then click 2nd Icon (GZW) then link be created.



- Click the “Link connection picture” to change the property.



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“Maximum Bandwidth”: Fill in the bandwidth of the link.
 “Graph Selector”: Fill in a key word then select network graph which is mapped to this link then the related information will be fill in “Info URL(s)” and “Hover Graph URL(s)” fields automatically.
 “Data Source Selector”: Fill in a key word then select then click “Add” button. RRD file name will be fill in “Data Source” filed automatically.

Link Properties

Link from 'node00585' to 'node09387'

Maximum Bandwidth Into 'node00585'

100M

bits/sec

Network bandwidth

Maximum Bandwidth Out of 'node00585'

☒ Same As 'In' or

bits/sec

Data Source(s)

2/2489.rrd

Select Data Source

Data Source Selector

Cacti_FQ_New - Traffic - 172.16.30.

Add

Click "Add"

Link Width

7

pixels

Info URL(s)

graph_view.php? action=preview&reset=true&style=selective&graph_list=,2502

Select Graph Source

'Hover' Graph URL(s)

graph_image.php?local_graph_id=2502

Graph Template

All

Graph Selector

Cacti_FQ_New - CPU Utilization - CP

Add

Click "Add"

IN Comment

95%

OUT Comment

5%

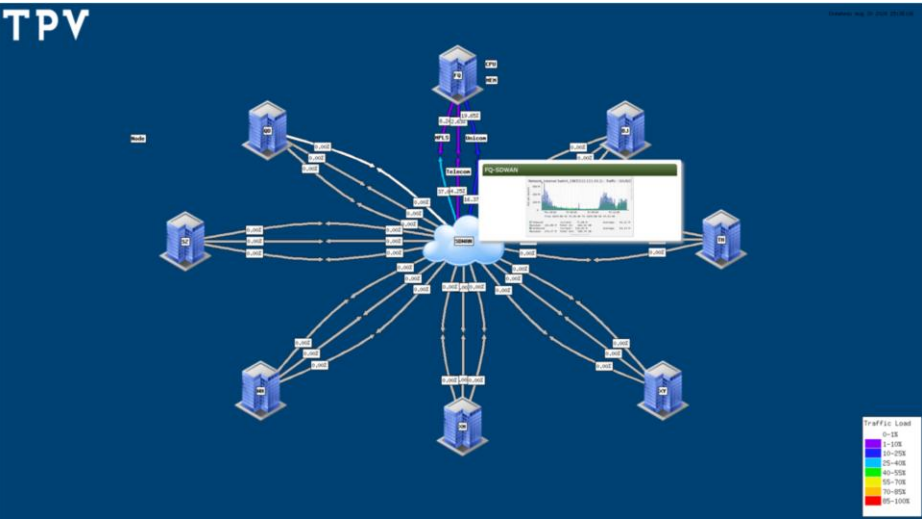
Delete Link

Edit

Save change setup

Save

- Click “Save” button after finished above setup.
- Finished ““Hover Graph URL(s)”” setup. Link network usage will display when mouse hovers over this link.

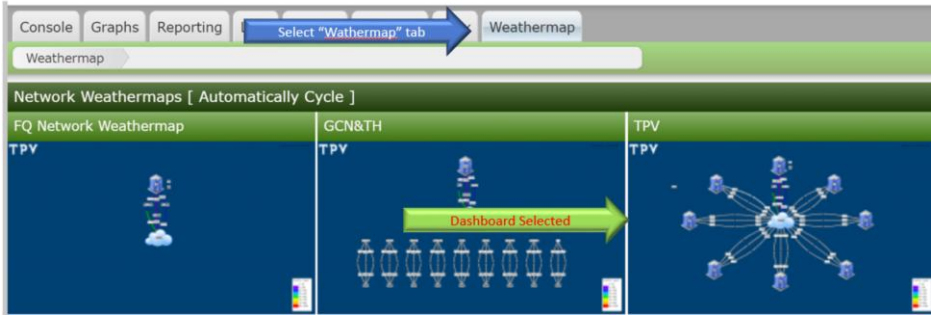


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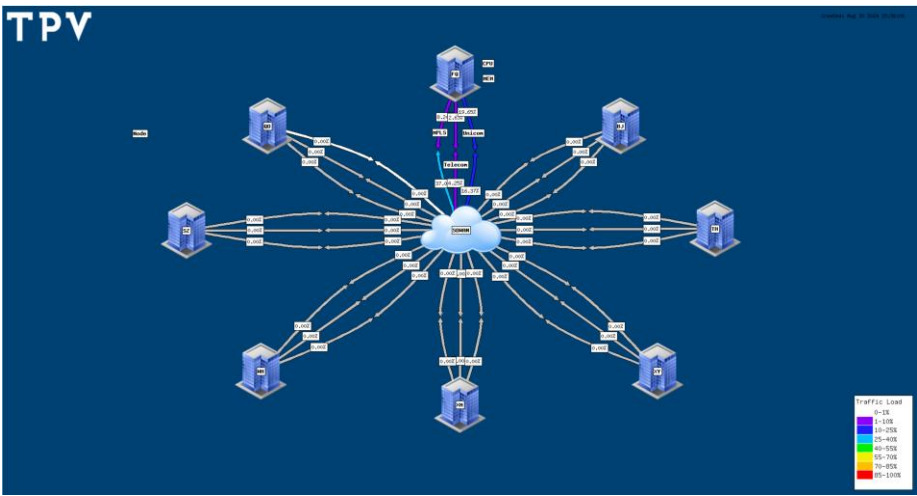
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5.10 WatherMAP Dashboard:

- Click “Weathermap” tab for Weahtmap dashboard selecting.



- Dashboard displayed.



6 Attachment :

None.

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