

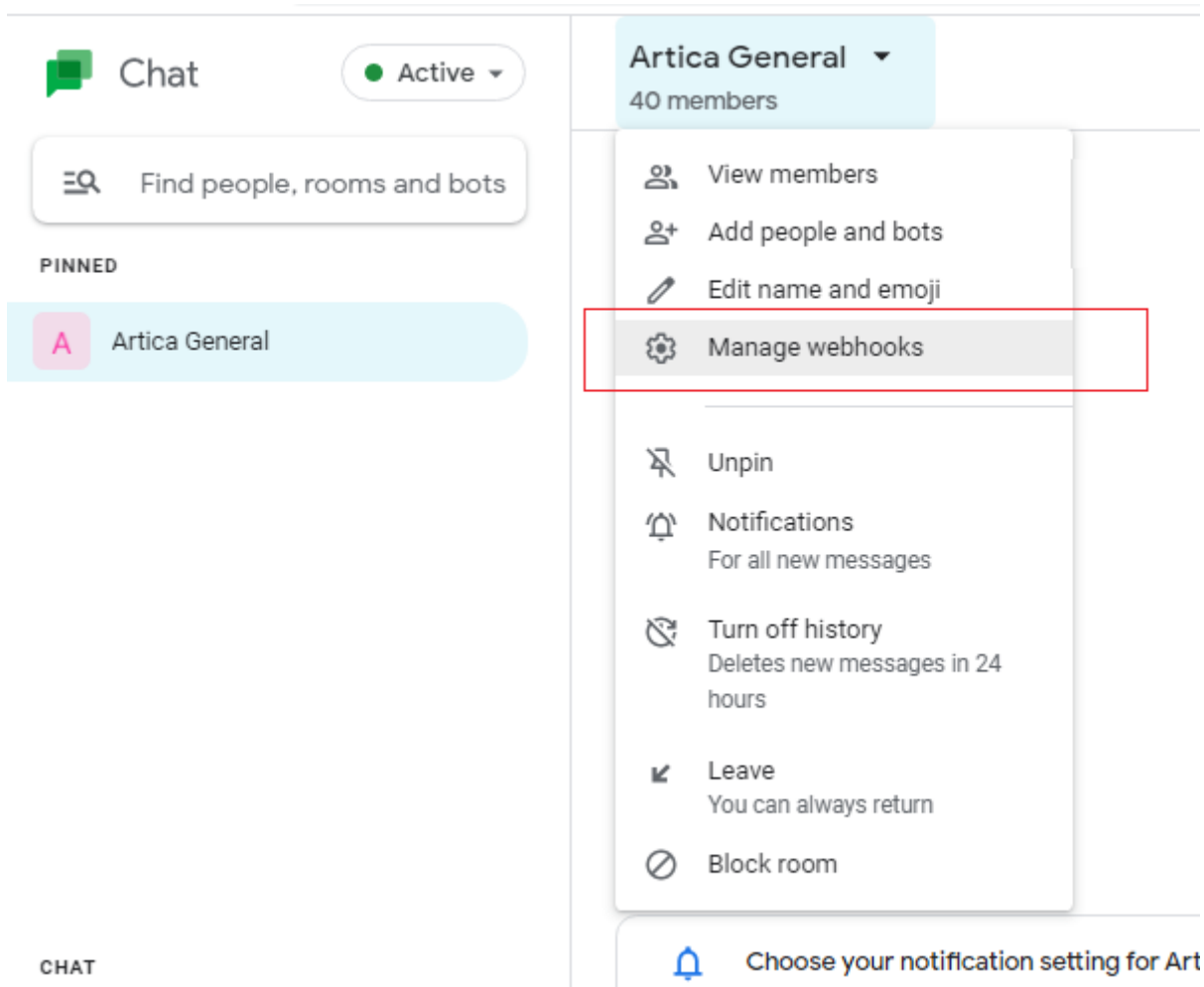
Google Chat integration

Google Chat® (formerly Hangouts Chat®) is a secure instant messaging tool designed to facilitate business communications within the Google Workspace® ecosystem. Your teams collaborate via text, create collaborative chat rooms, share documents, make presentations, set up web conferences and, of course, it can be integrated with the Pandora FMS alert system.

- [Google Chat settings: chat room](#)
- [Pandora FMS configuration: creation of an alert command](#)
- [Pandora FMS configuration: creating an alert action](#)

Google Chat settings: chat room

Once you have [logged in](#) and have been identified with your user credentials, go to the chat room (or add a new one) where the Pandora FMS alert messages will be published. Click on **Manage webhooks**:



In the pop-up dialog box, name the webhook and, if desired, place a link to a public online image to better identify it (visually).

Incoming webhooks

[View documentation](#)

Pandora alerts

Avatar URL


Optional – min size 128 x 128 px


Save

Click the **Save** button. Then it will show a summary with a [link to the documentation](#) about this technology and a blue button inviting to create another webhook; **copy the webhook identifier link** as it will be used to configure Pandora FMS in the next page.

Incoming webhooks

[View documentation](#)

 Pandora alerts
<https://chat.googleapis.com/v1/spaces/...>



Add another

Pandora FMS configuration: creation of an alert command

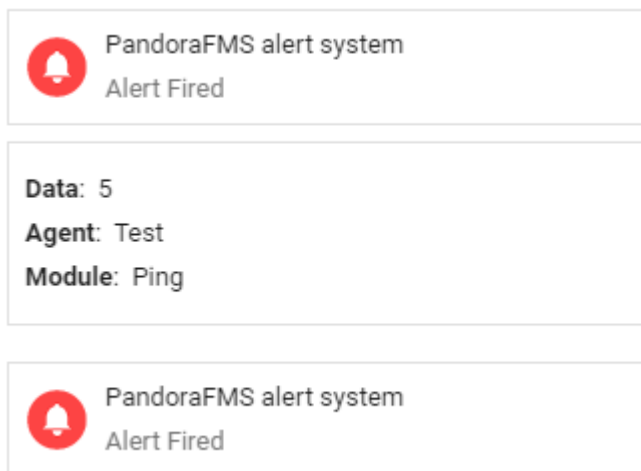
Open a terminal window and access the Pandora FMS server. Download (and unzip) from the [Pandora FMS library](#) the *Google Chat connector CLI* in the following path:

```
/usr/share/pandora_server/util/pandora-gchat
```


Or in a location that Pandora FMS server can access. You should have installed `python3` (with the modules **argparse**, **requests** and **json**) and `python3-pip` to be able to use the `pandora-gchat-cli.py` program. Once you have installed both, with the `pip3` command you must install the requirements or dependencies (minimum versions) with the following instruction:

```
pip3 install -r requirements.txt
```

In the file `test-exec.txt` you will find an example that you can reuse to configure the alert command. It is recommended that from the same terminal window you send a basic test message to the chat room, for example:



Messages can be further elaborated by additional parameters, compare with the following example:

 Alert Fired

Agent: Server22

Module: test_module

Group: Servers

State: Critical

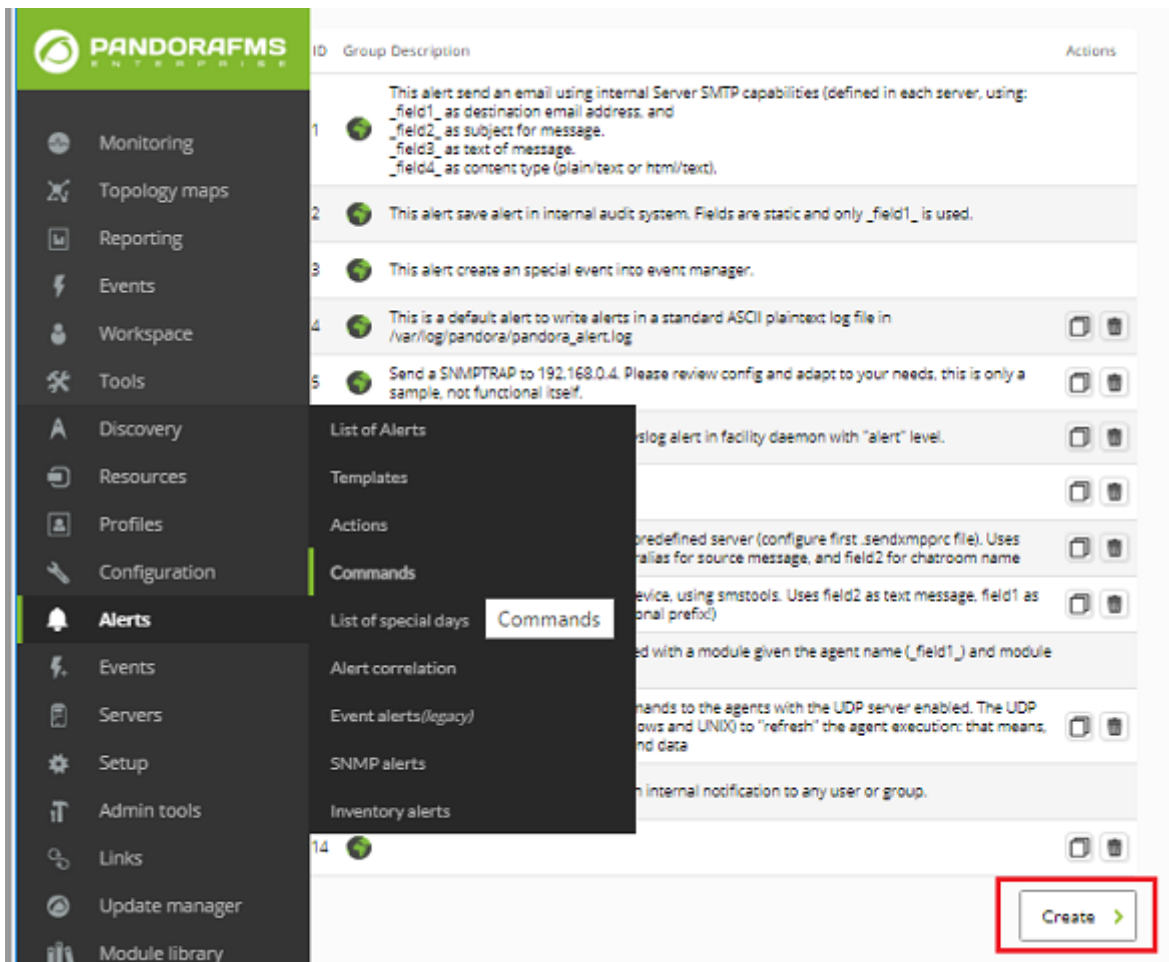
Data: 22

Timestamp: 2020-11-04 11:14:00

[PANDORAFMS.COM](https://pandorafms.com)

Go to the Pandora FMS Web Console and click

on **Alerts** -> **Commands** -> **Create**.



The screenshot shows the Pandora FMS web console interface. On the left is a dark sidebar with a menu. The 'Alerts' section is highlighted in green. A sub-menu is open for 'Alerts', showing options like 'List of Alerts', 'Templates', 'Actions', 'Commands', 'List of special days', 'Alert correlation', 'Event alerts(legacy)', 'SNMP alerts', and 'Inventory alerts'. The 'Commands' option is highlighted. In the main content area, a table lists various alert configurations. At the bottom right, a 'Create' button with a green arrow is highlighted with a red rectangle.

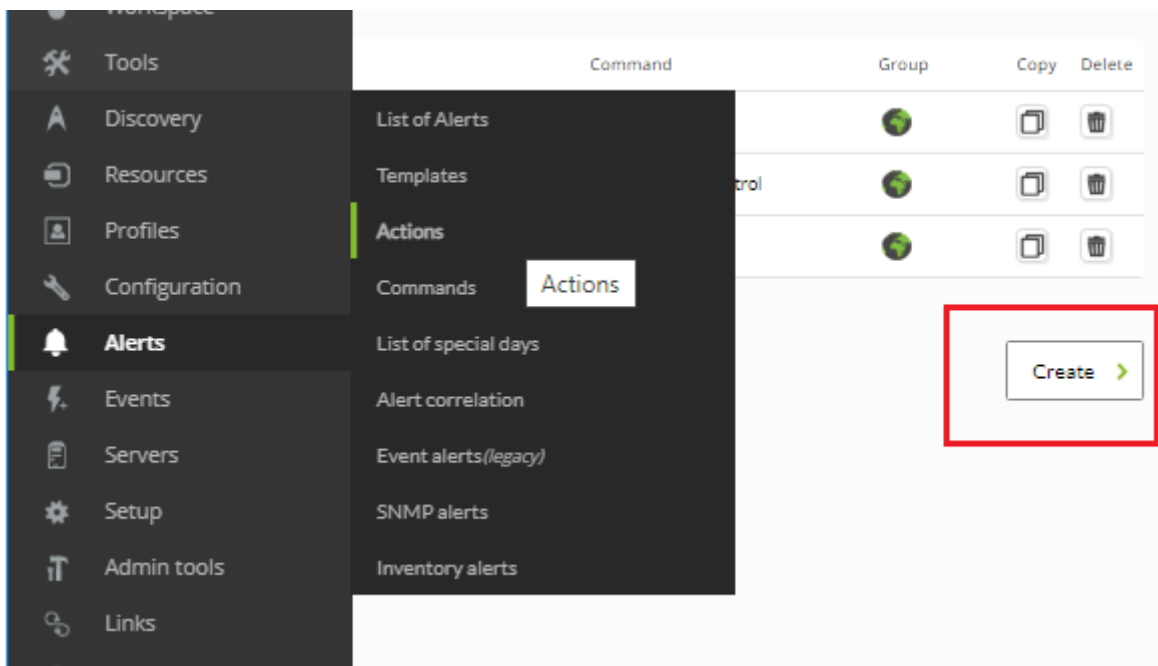
With the help of the text that is in the file `test-exec.txt` complete the following fields, pay attention in the second field where you will copy the link identifier obtained in the previous page, make sure to mark its content as hidden in Pandora FMS:

Name	<input type="text" value="gchat command"/>		
Command	<pre>python3 /usr/share/pandora_server/util/pandora-gchat/pandora-gchat-cli.py -d '_field1_' -u '_field2_' -t '_field3_' -D '_field4_' --thumb '_field5_' -- btn_desc pandorafms.com --btn_url https://pandorafms.com/</pre>		
Group	<input type="text" value="All"/>		
Description	<input type="text" value="Gchat command connector"/>		
1 field description	<input type="text" value="Data"/>	1 field values	<input type="button" value="i"/> <input type="text" value="agentName=_agentalias_, moduleId=_id_module_, mo:"/> <input type="button" value="Hide"/> <input type="checkbox"/>
2 field description	<input type="text" value="Gchat Token"/>	2 field values	<input type="button" value="i"/> <input type="text" value="....."/> <input type="button" value="Hide"/> <input checked="" type="checkbox"/>
3 field description	<input type="text" value="Title"/>	3 field values	<input type="button" value="i"/> <input type="text" value="El agente: _agentalias_ Esta en estado: _modulestatus_"/> <input type="button" value="Hide"/> <input type="checkbox"/>
4 field description	<input type="text" value="Description"/>	4 field values	<input type="button" value="i"/> <input type="text" value="Pandora FMS Alert Fired"/> <input type="button" value="Hide"/> <input type="checkbox"/>
5 field description	<input type="text" value="Thumbnail"/>	5 field values	<input type="button" value="i"/> <input type="text" value="https://pandorafms.com/images/alerta_roja.png"/> <input type="button" value="Hide"/> <input type="checkbox"/>
6 field description	<input type="text"/>	6 field values	<input type="button" value="i"/> <input type="text"/> <input type="button" value="Hide"/> <input type="checkbox"/>

Click on the **Create** button to save the alert command.

Pandora FMS configuration: creating an alert action

The [alert actions](#) allow you to define how to launch the command. Go to menu **Alerts** -> **Actions** -> **Create**.



Select in **Command** the alert command created on the previous page, the fields will be filled in automatically. However, you can always customize the icons for **Triggering** and **Recovery** events, for example.

Name	<input type="text" value="gchat command"/>	
Group	<input type="text" value="All"/>	
Command	<input type="text" value="gchat command"/> Create Command (+) Gchat command connector	
Threshold	<input type="text" value="0 seconds"/>	
	Triggering	Recovery
Command preview	<pre>python3 /usr/share/pandora_server/util/pandora-gchat/ pandora-gchat-cli.py -d 'agentName=_agentalias_, moduleId=_id_module_,moduleName=_module_,value=_data_' -u ***** -t 'agentalias modulestatus' -D 'Pandora'</pre>	<pre>python3 /usr/share/pandora_server/util/pandora-gchat/ pandora-gchat-cli.py -d 'agentName=_agentalias_, moduleId=_id_module_,moduleName=_module_,value=_data_' -u ***** -t 'agentalias modulestatus' -D 'Pandora'</pre>
Data Field 1	agentName=_agentalias_, moduleId=_id_module_, moduleName=_module_, value=_data_	agentName=_agentalias_, moduleId=_id_module_, moduleName=_module_, value=_data_
Gchat Token Field 2
Title Field 3	_agentalias_ _modulestatus_	_agentalias_ _modulestatus_
Description Field 4	Pandora FMS Alert Fired	Pandora FMS Alert Recovered
Thumbnail Field 5	https://pandorafms.com/images/alerta_roja.png	https://pandorafms.com/images/alerta_verde.png

To save click on **Create**. To apply this action to either a [Module or Policy](#), set up an [alert template](#) for this purpose.

You can get more information in the video tutorial «[Create alerts in Google Chat with Pandora FMS](#)».