

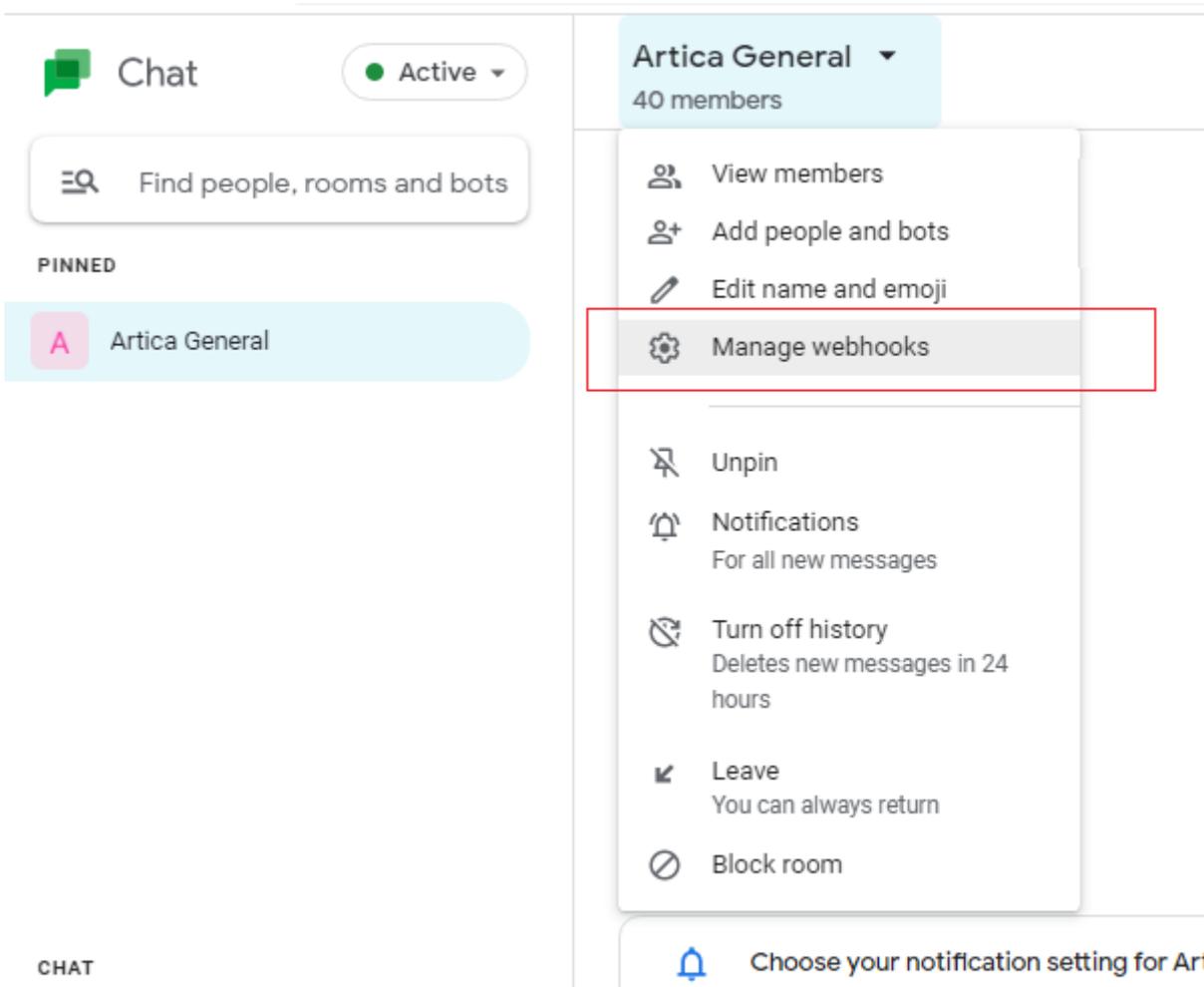
# Google Chat integration

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](#)
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# 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

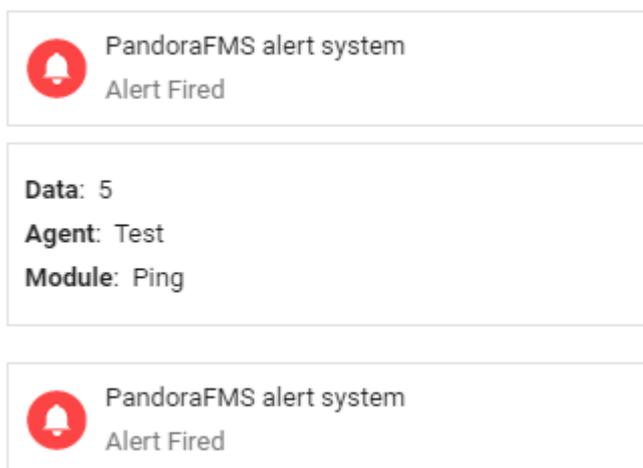
Open a terminal window and access the Pandora FMS server. Download (and unzip) from the [Pandora FMS library](#) the *Google Chat connector CLI* in the following path:

```
/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:

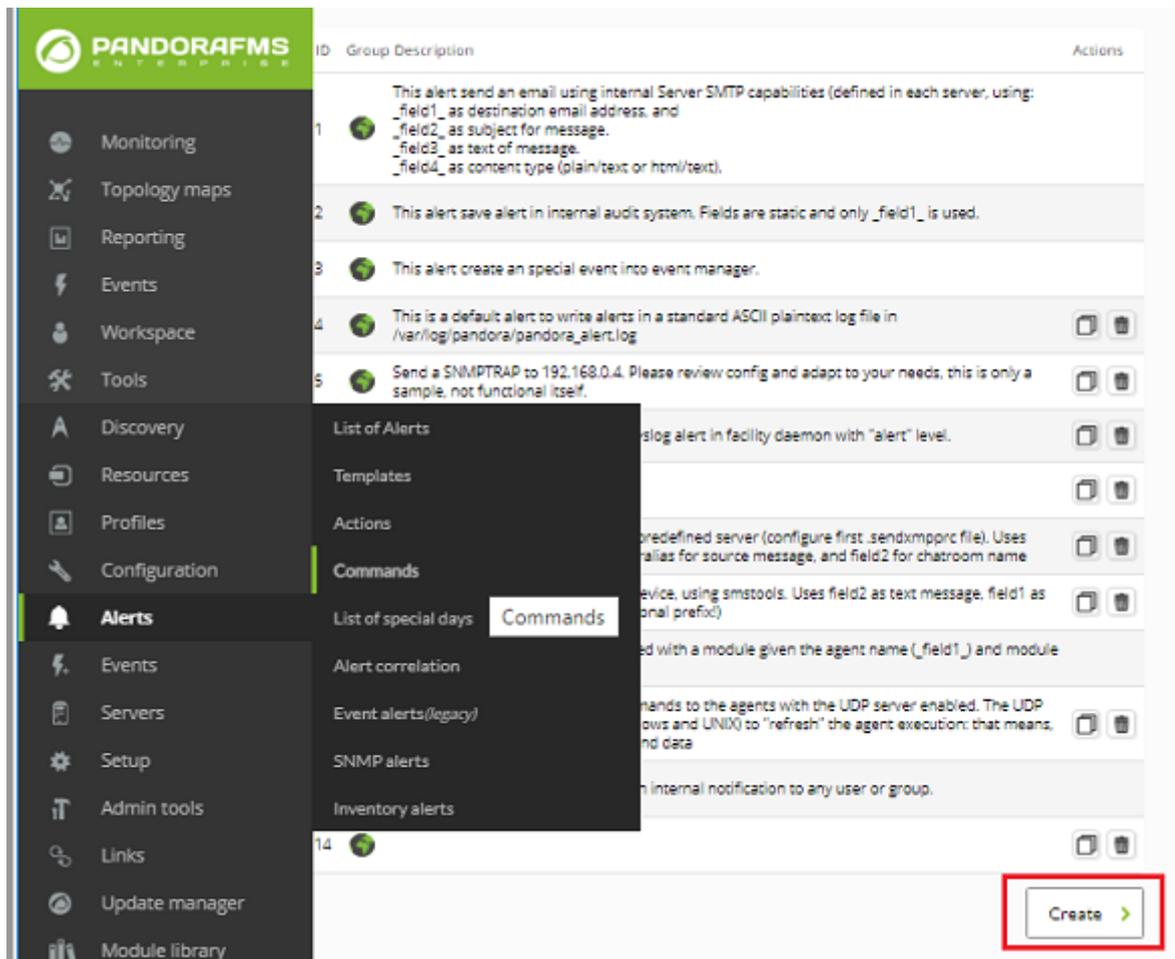
 Alert Fired

**Agent:** Server22  
**Module:** test\_module  
**Group:** Servers  
**State:** Critical  
**Data:** 22  
**Timestamp:** 2020-11-04 11:14:00

[PANDORAFMS.COM](http://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, there is a navigation menu with the following items: Monitoring, Topology maps, Reporting, Events, Workspace, Tools, Discovery, Resources, Profiles, Configuration, Alerts, Events, Servers, Setup, Admin tools, Links, Update manager, and Module library. The 'Alerts' menu is expanded, showing a sub-menu with the following items: List of Alerts, Templates, Actions, Commands, List of special days, Alert correlation, Event alerts (legacy), SNMP alerts, and Inventory alerts. The 'Commands' item in the sub-menu is highlighted with a white box. In the main content area, there is a table with columns for ID, Group, Description, and Actions. The table contains several rows of alert configurations. At the bottom right of the table, there is a 'Create' button with a right-pointing arrow, which is highlighted with a red box.

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**

**Command**

```
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/
```

**Group**

**Description**

**1 field description**  **1 field values** ⓘ  **Hide**

**2 field description**  **2 field values** ⓘ  **Hide**

**3 field description**  **3 field values** ⓘ  **Hide**

**4 field description**  **4 field values** ⓘ  **Hide**

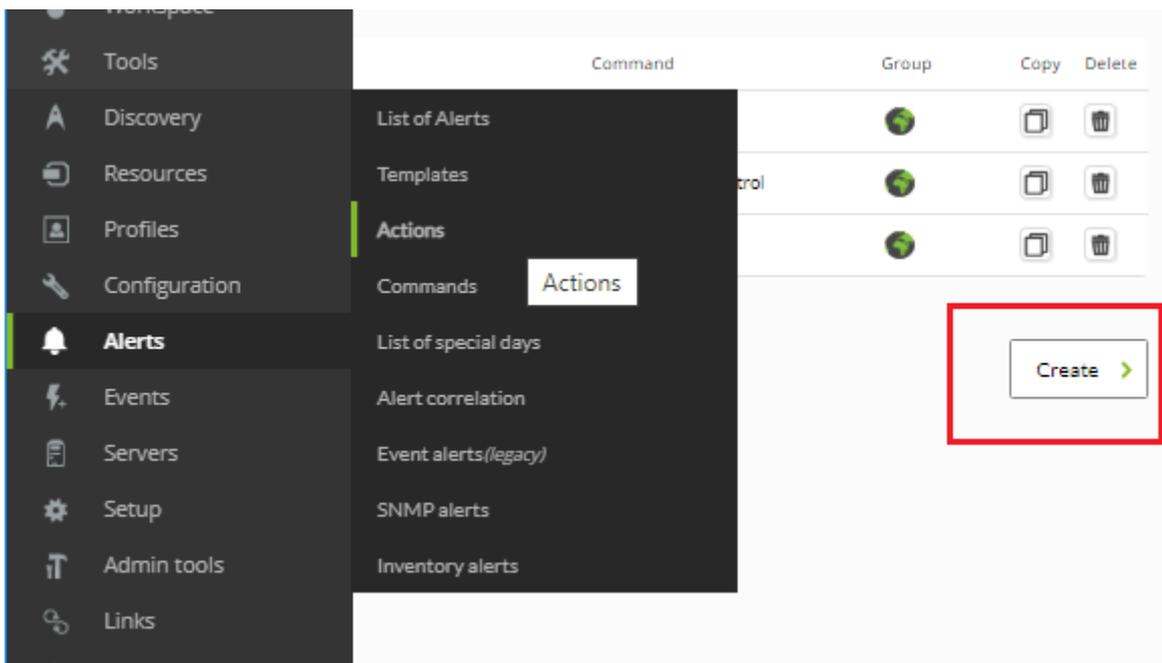
**5 field description**  **5 field values** ⓘ  **Hide**

**6 field description**  **6 field values** ⓘ  **Hide**

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**

**Group**

**Command**  Create Command (+)  
 Gchat command connector

**Threshold**

	Triggering	Recovery
<b>Command preview</b>	<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>
<b>Data</b> Field 1	<input type="text" value="agentName=_agentalias_ moduleId=_id_module_ moduleName=_module_ value=_data_"/>	<input type="text" value="agentName=_agentalias_ moduleId=_id_module_ moduleName=_module_ value=_data_"/>
<b>Gchat Token</b> Field 2	<input type="text" value="....."/>	<input type="text" value="....."/>
<b>Title</b> Field 3	<input type="text" value="_agentalias_ _modulestatus_"/>	<input type="text" value="_agentalias_ _modulestatus_"/>
<b>Description</b> Field 4	<input type="text" value="Pandora FMS Alert Fired"/>	<input type="text" value="Pandora FMS Alert Recovered"/>
<b>Thumbnail</b> Field 5	<input type="text" value="https://pandorafms.com/images/alerta_roja.png"/>	<input type="text" value="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](#)».