



GitHub Integration

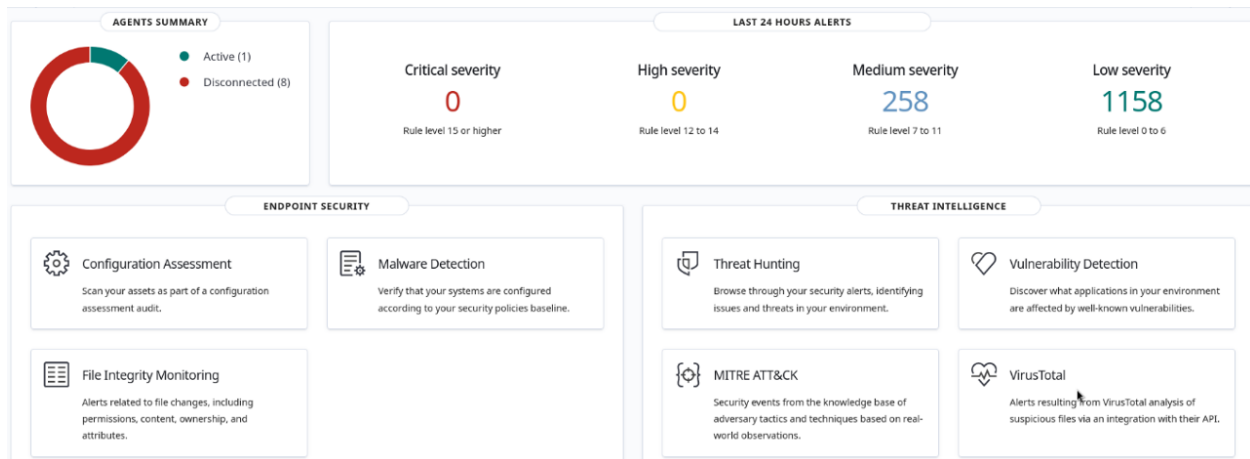
SAMEER HASSAN

Wazuh lab

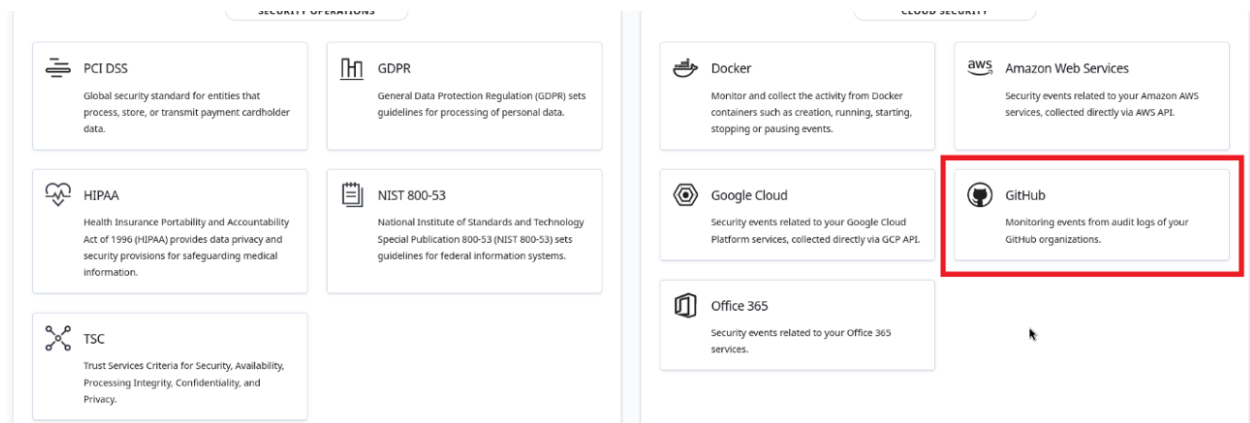
GitHub-link: [GitHub - sameerhassancode/Wazuh-labs](https://github.com/sameerhassancode/Wazuh-labs)

LinkedIn: <https://www.linkedin.com/in/sameer-hassan-15a428255/>

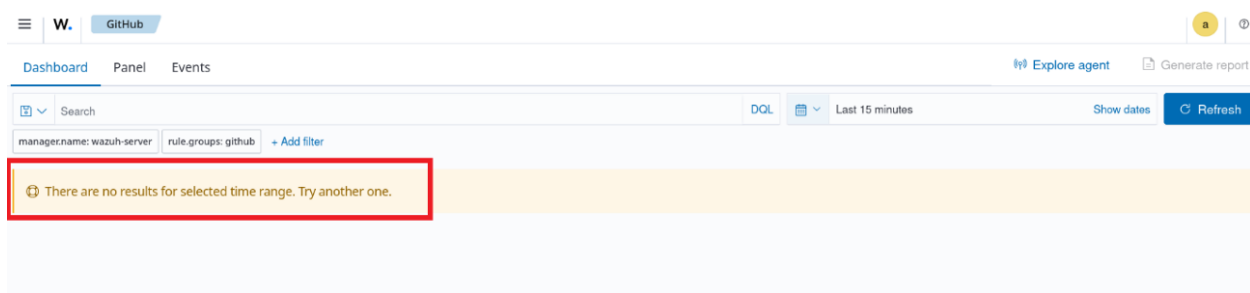
Wazuh-Dashboard:



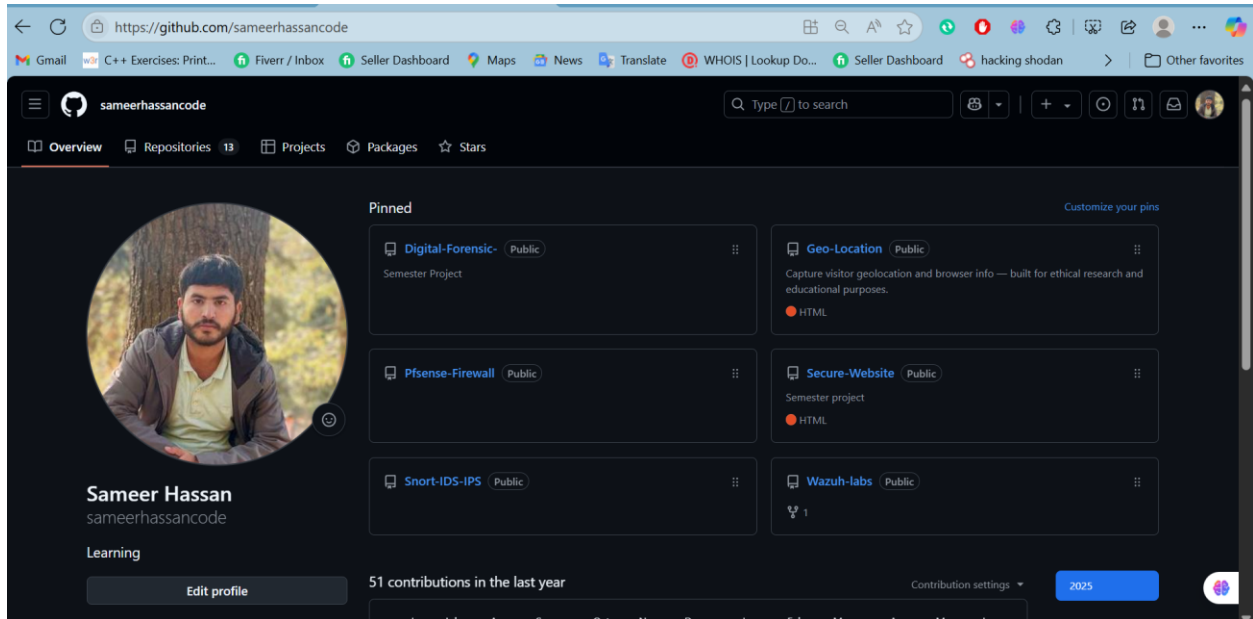
Now scroll down and look for GitHub



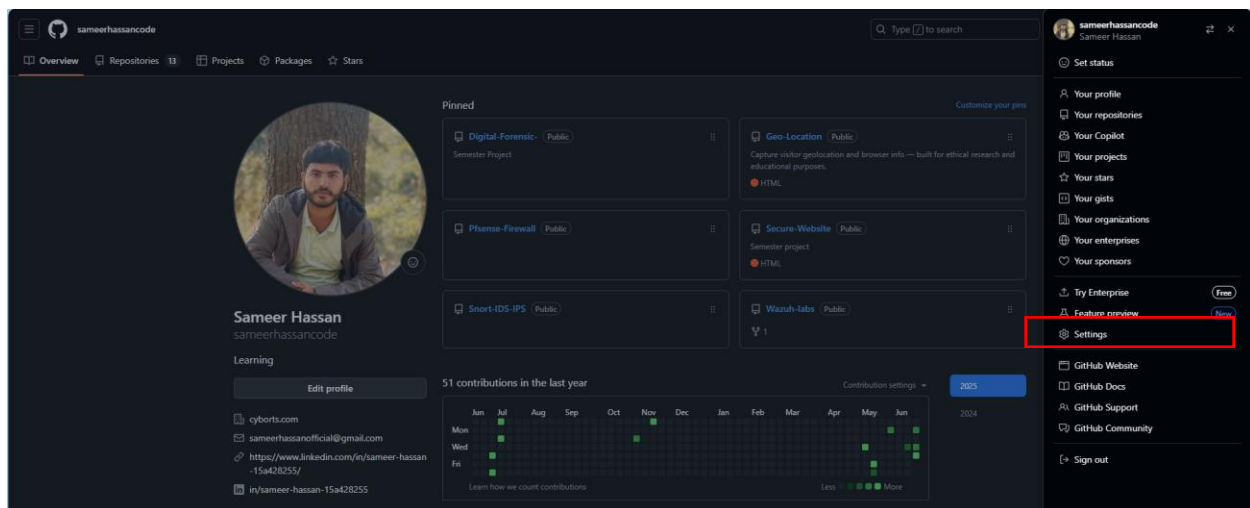
After opening the GitHub you will no logs



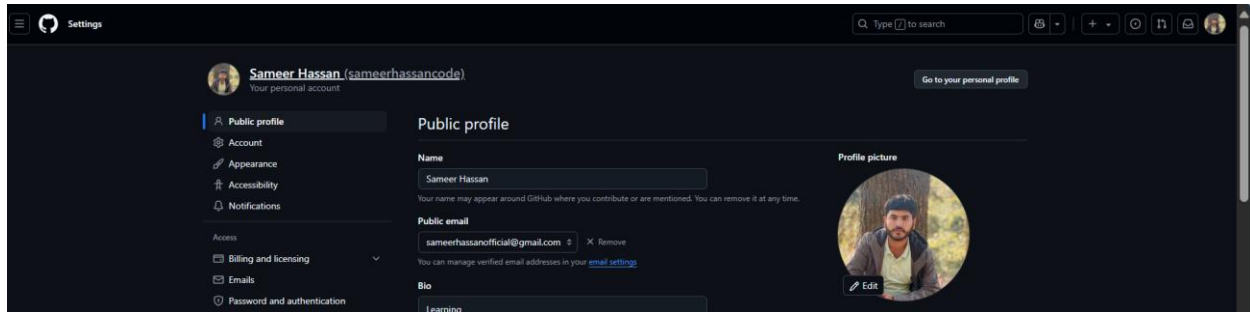
Now open your GitHub page in web browser



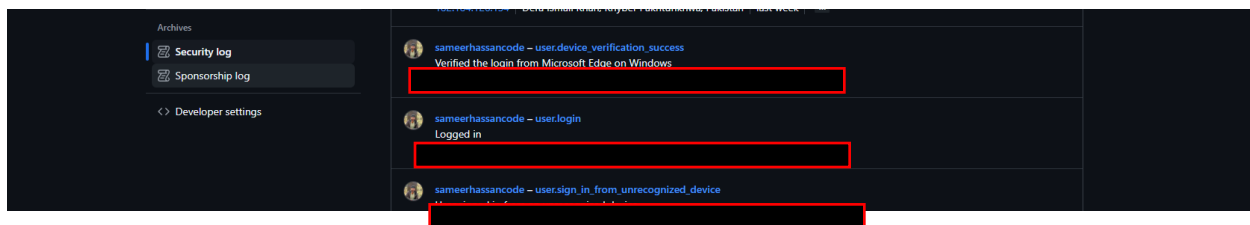
Now in the top right corner click on profile icon and you will see the setting



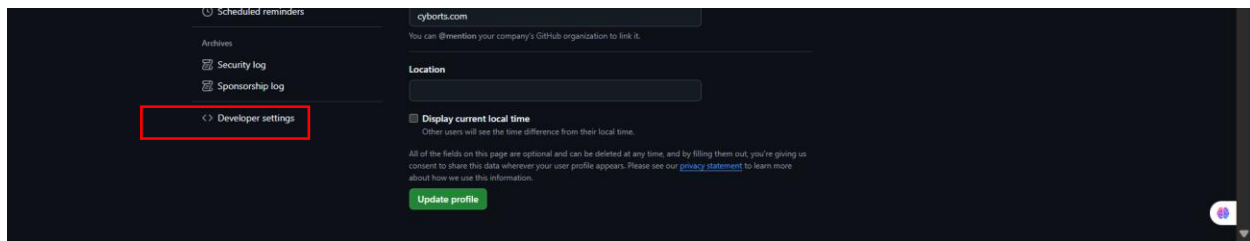
After clicking the setting button you will see this page. In security log you will see the log and all activities.



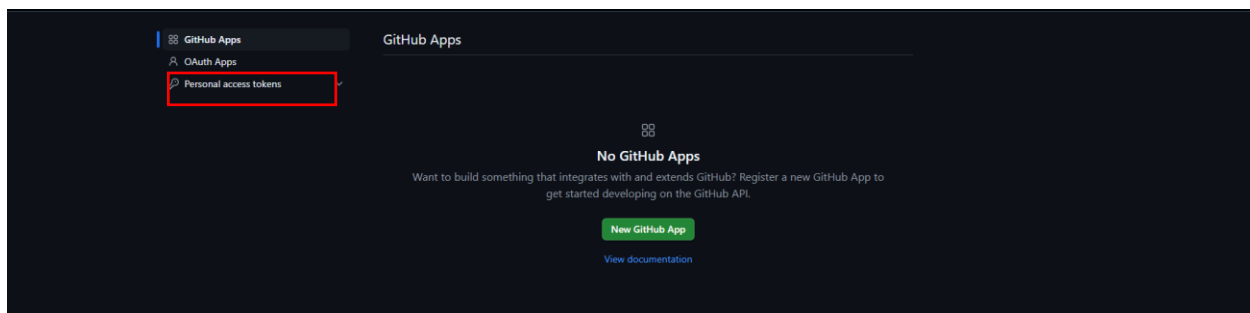
Now scroll down and in left menu you will see the security logs



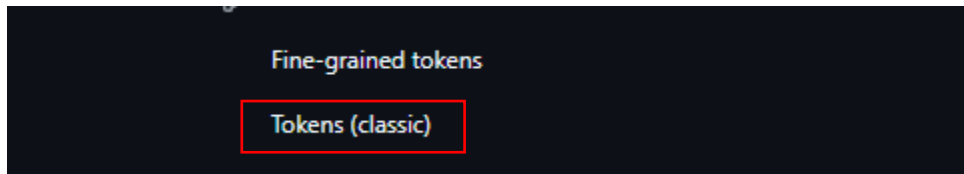
Now look for developer setting and click on it



After that you will able to see that page and click on **personal access token**

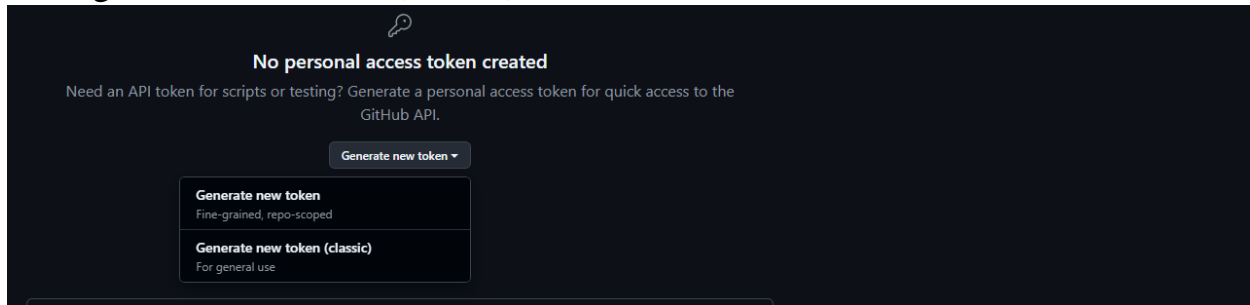


Now again you have two options here chose Click token

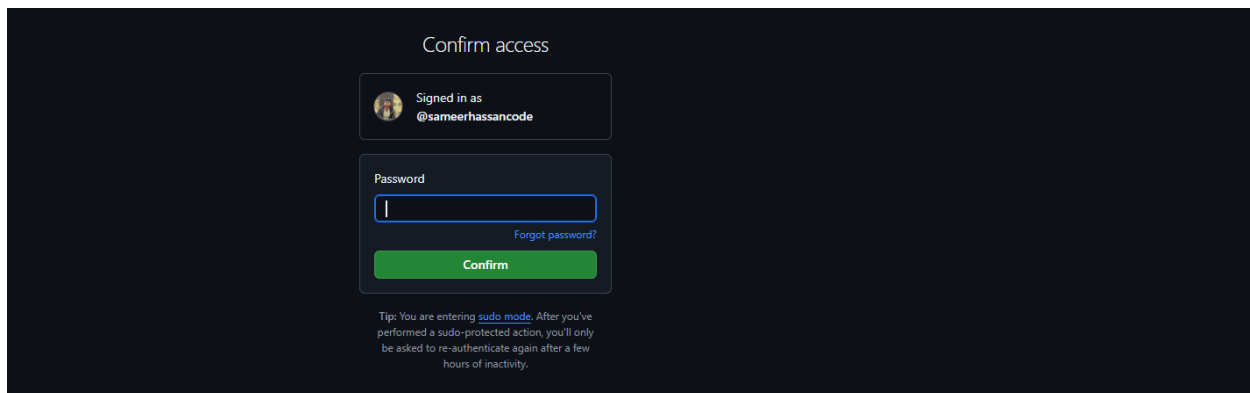


After clicking on **token (Classic)** you will see the button **Generate new token**

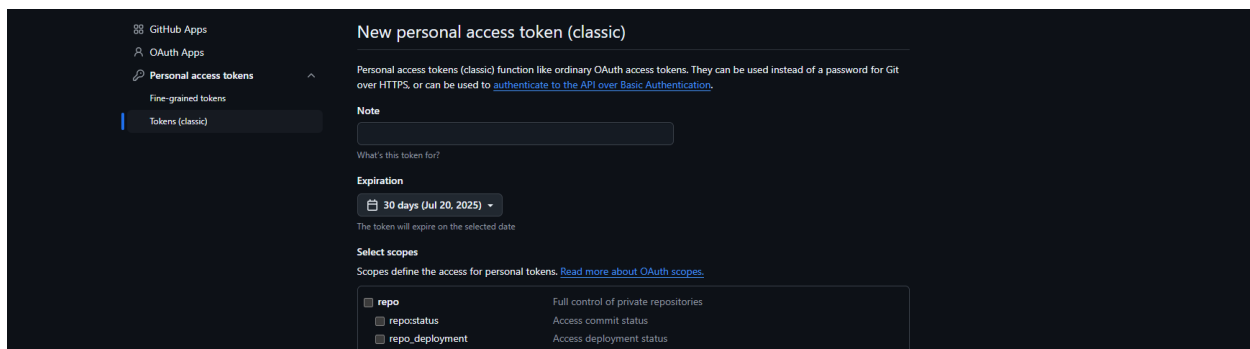
Then generate new token (**classic**)



Now type you password here and click confirm



After adding password you will redirect to this page here add detail like notes name expiration time and scope as per your need



Add and select detail.

Tokens (classic)

Note

Wazuh

What's this token for?

Expiration

60 days (Aug 19, 2025)

The token will expire on the selected date.

Select scopes

Scopes define the access for personal tokens. [Read more about OAuth scopes.](#)

<input type="checkbox"/> repo	Full control of private repositories
<input checked="" type="checkbox"/> repo:status	Access commit status
<input checked="" type="checkbox"/> repo:deployment	Access deployment status
<input checked="" type="checkbox"/> public_repo	Access public repositories
<input checked="" type="checkbox"/> repo:invite	Access repository invitations
<input checked="" type="checkbox"/> security_events	Read and write security events
<input type="checkbox"/> workflow	Update GitHub Action workflows
<input type="checkbox"/> write:packages	Upload packages to GitHub Package Registry
<input type="checkbox"/> read:packages	Download packages from GitHub Package Registry
<input checked="" type="checkbox"/> delete:packages	Delete packages from GitHub Package Registry
<input checked="" type="checkbox"/> admin:org	Full control of orgs and teams, read and write org projects
<input type="checkbox"/> write:org	Read and write org and team membership, read and write org projects
<input type="checkbox"/> read:org	Read org and team membership, read org projects
<input type="checkbox"/> manage_runners:org	Manage org runners and runner groups
<input checked="" type="checkbox"/> admin:public_key	Full control of user public keys

And click generate token

☒ admin:gpg_key Full control of public user GPG keys

☐ write:gpg_key Write public user GPG keys

☐ read:gpg_key Read public user GPG keys

☒ admin:ssh_signing_key Full control of public user SSH signing keys

☐ write:ssh_signing_key Write public user SSH signing keys

☐ read:ssh_signing_key Read public user SSH signing keys

Generate token **Cancel**

It will redirect you to token page

Token

Make sure to copy your personal access token now. You won't be able to see it again!

Delete

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

Link: [Monitoring GitHub audit logs - Monitoring GitHub · Wazuh documentation](#)



Commands: **sudo -i** then **cd /var/ossec/etc**

open file with **nano ossec.conf** command

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And then add this code

```
<github>
  <enabled>yes</enabled>
  <interval>1m</interval>
  <time_delay>1m</time_delay>
  <curl_max_size>1M</curl_max_size>
  <only_future_events>yes</only_future_events>
  <api_auth>
    <org_name><ORG_NAME></org_name>
    <api_token><API_TOKEN></api_token>
  </api_auth>
  <api_parameters>
    <event_type>all</event_type>
  </api_parameters>
</github>

<!-- Policy monitoring -->
<rootcheck>
```

Replace the ORG_name with any name you want and add api_token

```
<github>
  <enabled>yes</enabled>
  <interval>1m</interval>
  <time_delay>1m</time_delay>
  <curl_max_size>1M</curl_max_size>
  <only_future_events>yes</only_future_events>
  <api_auth>
    <org_name>Sameer_Hassan</org_name>
    <api_token>gh[REDACTED]6sD</api_token>
  </api_auth>
  <api_parameters>
    <event_type>all</event_type>
  </api_parameters>
</github>
```


Save the file and restart the Wazuh-manager

Systemctl restart Wazuh-manager

```
[root@wazuh-server etc]# nano ossec.conf
[root@wazuh-server etc]# systemctl restart wazuh-manager
```

Now again open a Github and create or delete some file for logs

Required fields are marked with an asterisk (*).

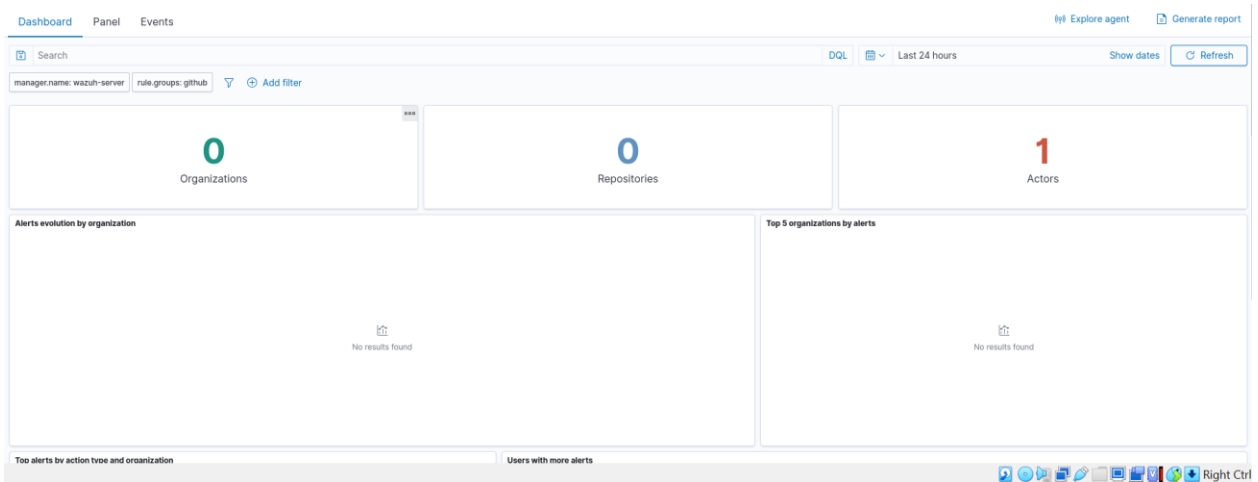
Owner *	Repository name *
 sameerhassancode	Wazuh-Logs testing

✓ Your new repository will be created as Wazuh-Logs-testing.
The repository name can only contain ASCII letters, digits, and the characters -, ., and _.

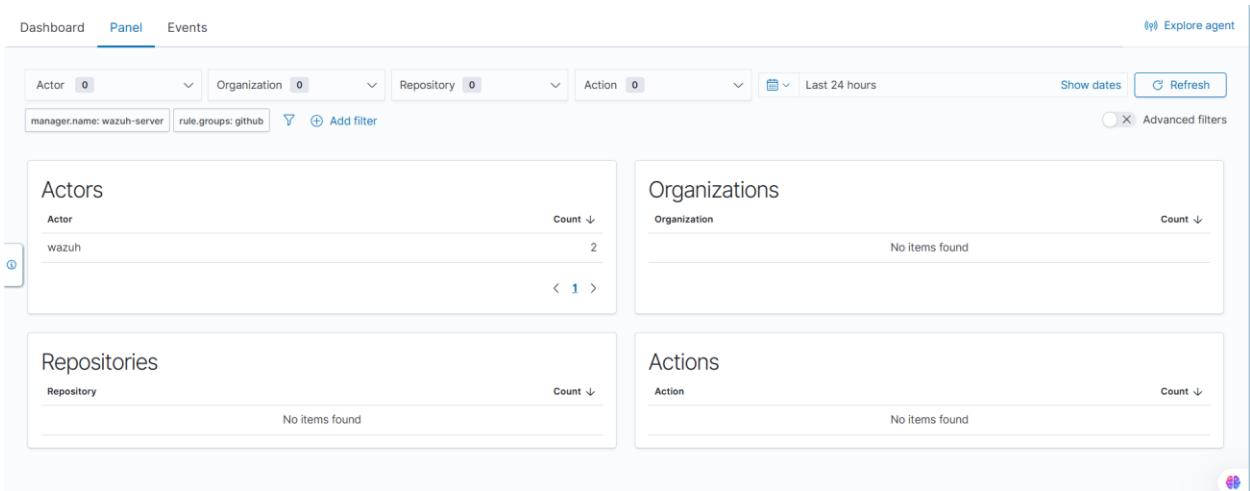
Great repository names are short and memorable. Need inspiration? How about [laughing-meme](#) ?

Description (optional)

Open Wazuh dashboard and see the logs of newly created and deleted directory



Panel section:



Perform some action and Wazuh will get the logs from the GitHub

Summary:

Integrating Wazuh with GitHub significantly enhances an organization's DevSecOps strategy by securing code repositories and ensuring compliance with internal standards.

Need training on Wazuh ?

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Other SIEM

- 1. IBM Qradar**
- 2. Splunk**
- 3. Azure Sentinel**