

Installation of Typesense server and Security Agents on Typesense VM

Typesense server installation

For people analytics typesense server is required for search engine

following are the steps to install typesense.

- download the typesense .deb file (typesense-server-0.21.0-amd64.deb) currently we are using 0.21 version (we can not use latest version (26.0) because our PAP code is not support for latest version)
- upload above file to bucket (papplatform-gcs-documents-ew1-<env_name>)
- merge code from [STRY0441794_v1](#) this branch to environment branch
- Trigger the terraform cloud build trigger
- After successful of trigger connect to VM

Filter Enter property name or value							
Status	Name	Zone	Recommendations	In use by	Internal IP	External IP	Connect
<input checked="" type="checkbox"/>	hrisdata-gce-papplatform-typesense-ew1-dv	europe-west1-b	Save \$22 / mo	hrisdata-igpp-papplatform-	10.146.10.15 (nic0)		SSH

click on SSH

- Check typesense is installed or not using below command

```
sudo systemctl status typesense-server.service
```

```
mahesh_raut_loreal_com@hrisdata-gce-papplatform-typesense-ew1-dv:~$ sudo systemctl status typesense-server.servic
e
● typesense-server.service - Typesense Server
   Loaded: loaded (/etc/systemd/system/typesense-server.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2024-10-09 11:41:32 UTC; 17h ago
     Docs: https://typesense.org
   Main PID: 39604 (typesense-serve)
    Tasks: 69 (limit: 4680)
   Memory: 37.8M
   CGroup: /system.slice/typesense-server.service
           └─39604 /usr/bin/typesense-server --config=/etc/typesense/typesense-server.ini

Oct 09 11:41:32 hrisdata-gce-papplatform-typesense-ew1-dv systemd[1]: Started Typesense Server.
Oct 09 11:41:32 hrisdata-gce-papplatform-typesense-ew1-dv typesense-server[39604]: Log directory is configured a
lines 1-12/12 (END)
```

Press "q" to exit from status

- Open typesense-server.ini file and copy api-key and close the file

```
sudo vi /etc/typesense/typesense-server.ini
```
- Then change the api-key in below code and run code to create search key

```
curl -X POST 'http://localhost:80/keys' \
-H "X-TYPESENSE-API-KEY: S17IDBNZaMSsa6YWUzittaLi9xOiPuqWCDdNK8DnKxc8DPS" \
-H "Content-Type: application/json" \
-d '{
  "description": "Search-only key",
  "actions": "search",
  "collections": ""
}'
```

- Copy search key generated from above command (e.g. 1VO8h9BKxl8pMBs6l9dNg1FvkZQjUDfm)
- Close the VM SSH window

Steps to update the Backend env secret

- Activate cloud shell in GCP
- Copy the latest version of backend-env secret to dev-backend-env.txt file using following command

```
gcloud beta secrets versions access latest --secret=backend-env --project=itg-papplatform-gbl-ww-dv |base64 -d > backend-env.txt
```

- Open the backend-env.txt and update the data for TYPESENSE_HOST, TYPESENSE_ADMIN_API_KEY, TYPESENSE_SEARCH_API_KEY and save the file
- Create the new version of backend-env secret using the below command

```
cat backend-env.txt | base64 -w 0 | gcloud beta secrets versions add backend-env --project=itg-papplatform-gbl-ww-dv --data-file=-
```

- Execute the backend deployment cloud build trigger to update the new env changes from secret
- At the end run scheduler to recreate the typesense index ([paplatform-skd-recreate-index-ew1-dv](#))

Security agents installation steps

- **Uploading installation packages to GCS bucket**

Below is the list of files to be uploaded on bucket (paplatform-gcs-documents-ew1-<env_name>):

- (1) security_agent_setup_main_202403291.tar.gz ([linux/security_agent_setup_main_202403291.tar.gz](#))
- (2) taniumclient_7.4.10.1067-ubuntu22_amd64.deb([catelis_setup \(2\).tar.gz](#))
- (3) libnl-3-200_3.4.0-1ubuntu0.1_amd64.deb(wget http://europe-west1.gce.archive.ubuntu.com/ubuntu/pool/main/libn/libnl3/libnl-3-200_3.4.0-1ubuntu0.1_amd64.deb)
- (4) libnl-genl-3-200_3.4.0-1ubuntu0.1_amd64.deb(wget http://europe-west1.gce.archive.ubuntu.com/ubuntu/pool/main/libn/libnl3/libnl-genl-3-200_3.4.0-1ubuntu0.1_amd64.deb)
- (5) catelis_setup.tar.gz([catelis_setup \(2\).tar.gz](#))
- After the upload,
- merge code from [STRY0463163](#) this branch to environment branch
- Trigger the terraform cloud build trigger

After installation Below are the commands to check all security agents are running or not:

- Typesense:- sudo systemctl status typesense-server.service
- Tanium:- sudo systemctl status taniumclient.service
- Crowdstrike:- sudo systemctl status falcon-sensor.service
- Rapid7:- sudo systemctl status ir_agent.service