

Vanta talk through and gcloud setup

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Vanta

is a leading trust management platform that automates security compliance processes for various frameworks including SOC 2, HIPAA, ISO 27001, PCI, and GDPR. Vanta's platform offers real-time security monitoring, holistic risk visibility, and efficient audit processes, claiming to automate up to 90% of the work for security and privacy frameworks. Vanta's success is attributed to its innovative approach to simplifying complex compliance processes, helping businesses build trust and accelerate growth in an increasingly security-conscious market.

In this [video](#) we talked about alerts from Vanta due to no owner of a resource.

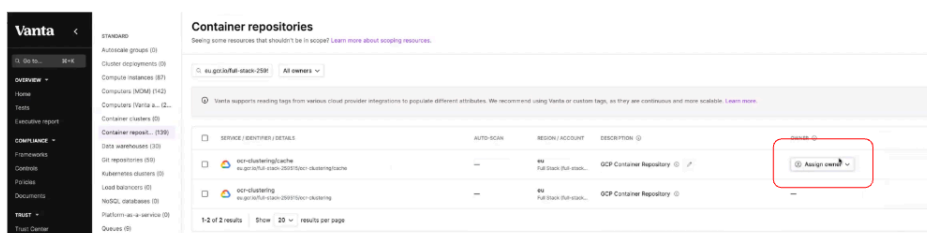
app.vanta.com/tests/inventory-list-owners this is accessed via okta or via a direct login using raft.ai email and then sso.

Discussed were the methods to correct an issue with owner allocation.

1. One option is directly via the vanta web GUI.

a. Here you are able to affect the labels in a number of ways.

i. Direct in the vanta GUI, you are able to in some instances eg GCP container repositories. Here we can select the item and then 'Assign owner'.



ii. It is also possible to assign the user in the GCP console. Here we can find the resource and apply a label. Here is an [example](#) of adding a bucket label.

2. A second option is directly via the GCP console. Here we can find the resource and apply a label. Here is an [example](#) of adding a bucket label.

A useful command was shared that could be of use outside of this environment and in general scripting:

```
> gcloud storage buckets list --format="table(name,labels)" | grep -v ildemundo | grep -v NAME | xargs -n1 -I %  
gsutil label ch -l 'vanta-owner': 'ildemundo' gs://%
```

To explain step by step:

```
> gcloud storage buckets list --format="table(name,labels)"
```

Lists all storage buckets in your Google Cloud project and formats the output as a table showing only the bucket name and labels

```
> grep -v ildemundo
```

Filters out any lines containing "ildemundo", this step excludes buckets that already have the label we're about to add

```
> grep -v NAME
```

Removes the header row (which contains "NAME"), this ensures we're only working with actual bucket names

```
> xargs -n1 -I % gsutil label ch -l 'vanta-owner': 'ildemundo' gs://%
```

xargs takes the filtered list of bucket names and executes a command for each one

```
> -n1
```

processes one input line per command invocation

```
> -I %
```

replaces occurrences of '%' in the command with the input line

```
> gsutil label ch -l 'vanta-owner': 'ildemundo' gs://%
```

adds the label 'vanta-owner' with value 'ildemundo' to each bucket

Access is required and so gcp access was configured.

Setup of gcloud

gcloud Install

To set up the Google Cloud CLI (gcloud) on your laptop for Mac, Windows, and Linux, follow these general steps:

<https://cloud.google.com/sdk/docs/install>

For Mac:

Download the Google Cloud SDK archive from the official website.

Extract the downloaded archive to a location of your choice.

Run the install script: `> ./google-cloud-sdk/install.sh`

(brew may also be available `> brew install google-cloud-sdk`)

For Windows:

Download the Google Cloud SDK installer from the official website.

Run the installer and follow the on-screen prompts.

During installation, choose to install Python if not already installed.

For Linux:

Download the Google Cloud SDK archive using curl:

```
> curl -O https://dl.google.com/dl/cloudsdk/channels/rapid/downloads/google-cloud-cli-XXX.X.X-linux-x86_64.tar.gz
```

(Replace XXX.X.X with the latest version number see [here](#))

Extract the archive: `> tar -xf google-cloud-cli-XXX.X.X-linux-x86_64.tar.gz`

Run the install script: `> ./google-cloud-sdk/install.sh`

For all platforms:

Verify the installation by running:

```
> gcloud --version
```

Gcloud Auth and Initialisation

After installation, run `> gcloud init` to authenticate and set up your Google Cloud project. This will direct to a google login.

1. Select the raft.ai google account you wish to use.
2. Follow the prompts to log in to your Google account and select or create a project.

Running `> gcloud config configurations list` will show all profiles set up

1	NAME	IS_ACTIVE	ACCOUNT	PROJECT	COMPUTE_DEFAULT_ZONE	COMPUTE_DEFAULT_REGION
2	default	True	alice.bloggs@raft.ai	staging-266717	europe-west2-a	europe-west2
3	prod	False	alice.bloggs@raft.ai	full-stack-259515	europe-west2-a	europe-west2
4	root	False	alice.bloggs@raft.ai	674755849290	europe-west2-a	europe-west2
5	staging	False	alice.bloggs@raft.ai	staging-266717	europe-west2-a	europe-west2

1. To set up each profile there are a few command options:
 - a. `> gcloud init` will allow the set up of each and also allows switching of profiles (although a longer version of switching). This is quite useful on initial setup
 - b. `> gcloud config` allows more options:

gcloud config configurations activate	→	allows switching to a different profile	eg	<code>> gcloud config configurations activate staging</code>
gcloud config configurations delete	→	delete a profile	eg	<code>> gcloud config configurations delete default</code>
gcloud config configurations describe	→	describe a profile	eg	<code>> gcloud config configurations describe staging</code>
gcloud config configurations rename	→	rename a profile	eg	<code>> gcloud config configurations rename staging</code>
gcloud config list	→	describe the active profile	eg	<code>> gcloud config</code>
gcloud config configurations create	→	create a new profile This will then need the region setting This will then need the zone setting	eg eg eg	<code>> gcloud config configurations create newprof</code> <code>> gcloud config set compute/region europe-west2</code> <code>> gcloud config set compute/zone europe-west2-a</code>

Remember to keep your Google Cloud SDK updated regularly by running:

`> gcloud components update`