YouTube video script

In this video, we are showing you how to deploy and run the City Analytics using ansible playbooks.

First, go to the host\_vars folder and run the generate-instance-config python script. It will ask you how many instances you want to create. We are creating four instances right now.

A file called mrc.yaml is then created, it stores the configuration of the instances to be created.

Let’s go back to the parent folder. We can now run the ansible playbook to create instances. Type the command ‘./create-instance.sh’ in the terminal, enter the openstack api password and the become password. The ansible playbook is now running.

Okay, the instances are up and running. Let’s go to the inventory folder and run the assign-tasks-to-instances python script. I will ask you how many instances to run the crawler application, how many instances to run the frontend web-application and how many instances to run the data analysis application. A ‘hosts.ini’ file is then created; it assigns tasks to each instance.

Let’s go back to the parent folder and configure the instances. Type the command ‘./configure-instance.sh’ in the terminal, enter the openstack api password and the become password.

The instances are now configured. Let’s clone github repository onto each instance. Type the ‘clone-github.sh’ in the terminal and enter the passwords as usual.

We have successfully cloned the github repository onto each instance. Let’s deploy the CouchDB. Enter the command ‘deploy-couchdb.sh’ and the password.

The CouchDB is now up and running. Let’s deploy the twitter harvester. Enter the command ‘run-crawler.sh’ and the password.

The twitter harvester is now up and running. Let’s deploy the data analysis. Enter the command ‘run-data-analysis.sh’ and the password.

The data analysis is now up and running. Let’s deploy the website. Enter the command ‘deploy-dash.sh’ and the password.

Okay, the whole system is now up and running.

If you want to delete the whole system, you can simply run the ‘delete-instance.sh’ in the command line. We are not going to demonstrate this as we have lots of data stored in the CouchDB.

Let us show you our website!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!