Devops Day 8

Graphical user interface

Description automatically generated with medium confidence

Diagram

Description automatically generated

Diagram

Description automatically generated

Diagram

Description automatically generated

Traffic goes high – number of services increases – scaling up

Graphical user interface, text, application, email

Description automatically generated

CI – build and create packages

CD – package has been deployed onto the prod server

Diagram

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

Application

Description automatically generated with medium confidence

Graphical user interface

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

Text

Description automatically generated with medium confidence

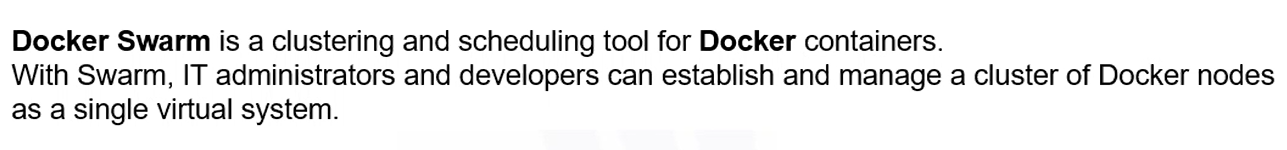
Graphical user interface, text, application, chat or text message

Description automatically generated

Graphical user interface, text, application

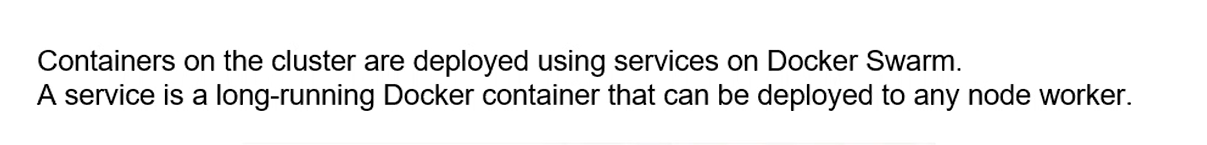
Description automatically generated

This is a concept to explain how Kubernetes and docker swarm do. Kubernetes is more popular tool



Leader – tell workers what to do,what to display for the users. Each worker is a VM for containers, sql container, apache container, other services container

Leader – will always be run by Kubernetes or swarm exe

 A picture containing graphical user interface

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Replicas – like a cluster of services. If one service is down, the other two services still run

Graphical user interface, text, application

Description automatically generated

Two containers will not interact with one another

A picture containing text, indoor

Description automatically generated

So docker network is set up

Text, letter

Description automatically generated

Diagram

Description automatically generated

Text, letter

Description automatically generated

Text, letter, email

Description automatically generated

Text

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Homework: network docker tutorial

Docker swarm set up

Hands on – deploying a multi tier