SwarmlabHybrid !

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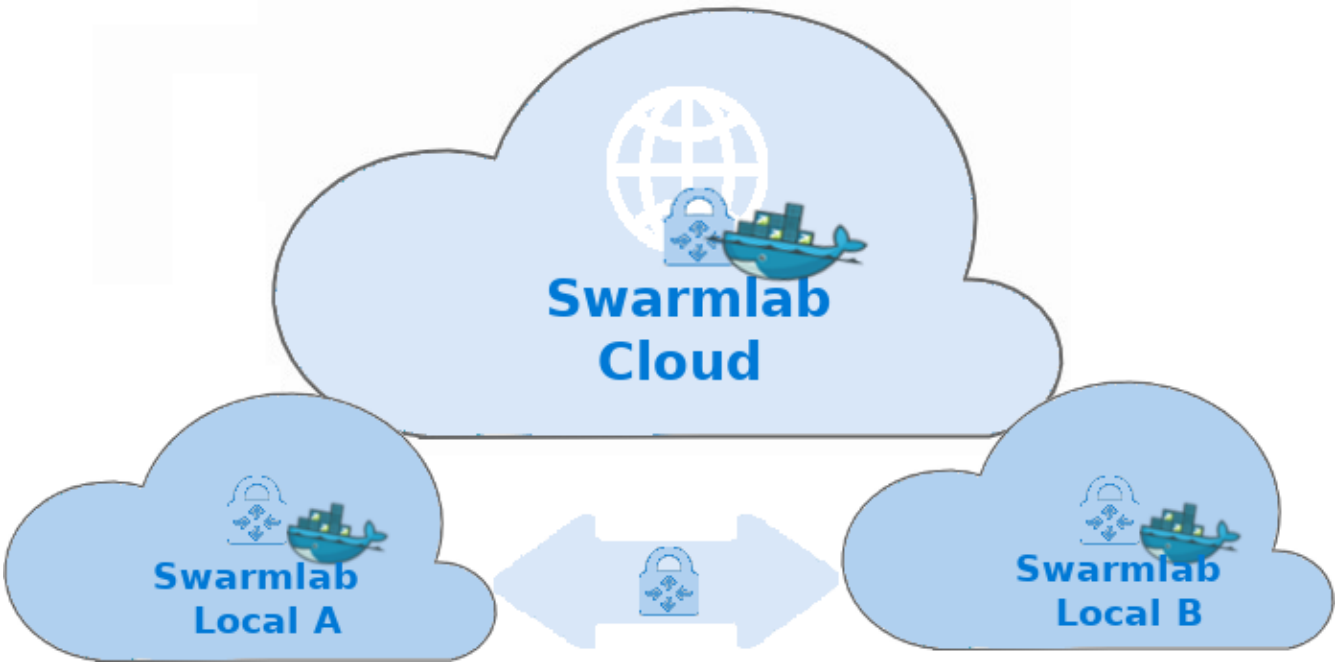

1. Install

1.1. Prerequisites Hardware

Remember

Before you create and configure a hybrid deployment using the swarmlab-agent client, your Local Machines need to meet certain requirements.

If you don't meet those requirements, you won't be able to complete the steps within the swarmlab-agent client and you won't be able to configure a hybrid deployment between your Local Enviroment and Swarmlab Online Enviroment.

- A Linux Server (Virtual or Physical)
  - You must have super user privileges (sudo)
- Docker Engine- Community version 18 or later is required.
  - Docker Engine is supported on x86_64 (or amd64), armhf, and arm64 architectures.
- RAM
  - Absolute minimum to run the daemon and some very light containers - 512MB
  - Minimum for "comfortable" usage – 2GB
- CPU
  - Minimum: 2; Recommended 4+.
- Disk Space
  - 10 GB for internal requirements.
  - The amount of additional disk space required for load file staging, persistence, or backups depends on the size of the data to be loaded.

Docker uses a hypervisor with a VM, and the host server must support virtualization.

1.2. Prerequisites Keys

- Create an Hybrid Swarmlab Key
  - Connect to https://api-client.swarmlab.io:8088/ and click on the Dashboard→Profile Menou
- After creating Keys for your project, you will be informed with an email and it will also become visible in the Swarmlab-agent clients corresponding menu.

1.3. Download and install

- Download the swarmlab-agent client
  - git clone https://git.swarmlab.io:3000/zeus/swarmlab-hybrid.git
- Run sudo ./install.sh
  - See also ./install directory

2. Start/Stop Agent

2.1. Start Agent

- Navigate to the dir you have installed the agent
  - run ./start.sh

2.2. Stop Agent

- Navigate to the dir you have installed the agent
  - run ./stop.sh

2.3. Login

Connect to https://api-client.swarmlab.io:8088/ and click on "Hybrid→OpenSwarmlab Hybrid" Menou

This is the way to have a fully functional Swarmlab Cloud. You HAVE to connect this way to be Authorized for the session.

3. Config

- Use the "Profile→Settings" menu on swarmlab-agent client to configure a hybrid agent
  - add also a zone for your agent
  - Connect to https://api-client.swarmlab.io:8088/ and click on the Dashboard→Profile Menou

4. Deploy

4.1. Local

https://player.vimeo.com/video/507040807" width="640" height="564" frameborder="0" allow="autoplay; fullscreen" allowfullscreen

- intro swarmlab 0 - 1:10

[] | *vimeo*

.Intro swarmlab

- intro hybrid 1:10 - 2:20

[] | *vimeo*

- intro agent 2:20 - 4:15

[] | *vimeo*

.Intro agent

*bootstrap image 4:15 - 7:25

[] | *vimeo*

.Bootstrap image

*Connect to container (Host→container) 7:25 - 12:20

[] | *vimeo*

.Connect container (Host → Container)

*Connect to container (Container→container) 12:20 - 13:50

[] | *vimeo*

.Connect container (Container → Container)

*Mount DIR container 13:50 - 7:15

[] | *vimeo*

.Mount Directory → Container

4.2. Hybrid

5. Join

6. Connect to Container