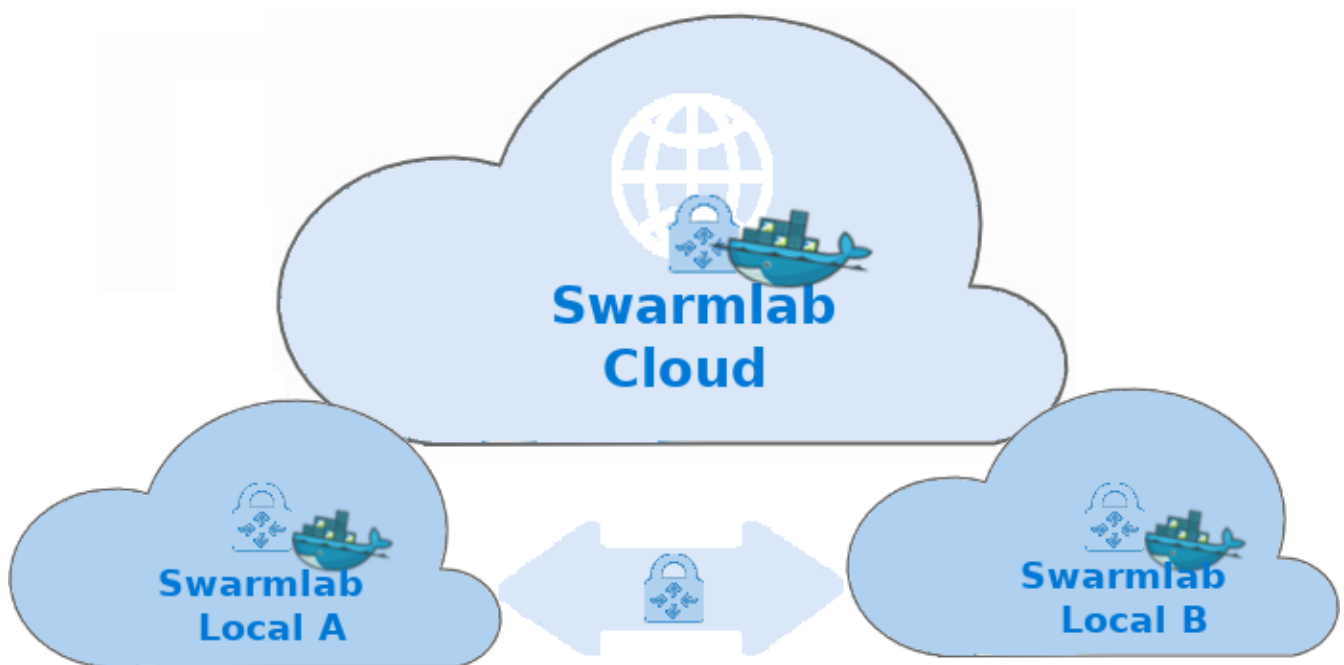


# SwarmlabHybrid !

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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 Environment and Swarmlab Online Environment.

- 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

- intro swarmlab 0 - 1:10

[\[ \]](#) | *vimeo*

*.Intro swarmlab*

- intro hybrid 1:10 - 2:20

[\[ \]](#) | *vimeo*

*.Intro hybrid*

- 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**