

Installation

Yocto Installer

The compilation and installation of the Yocto version of SEAPATH is entirely described on the GitHub repository [seapath/yocto-bsp](#).

Debian Installer

To install the cluster, you need to generate an ISO, based on Debian 11, for each host with this repository [here](#).

To generate the ISO in the repository, you should launch these below commands:

```
cp srv_fai_config/class/SEAPATH.var.defaults srv_fai_config/class/SEAPATH.var
$EDITOR srv_fai_config/class/SEAPATH.var
./build_iso.sh
```

See the below section for more details on the configuration file.

Configuration

In the configuration file, you must define these variables:

- **FAI_ALLOW_UNSIGNED**: Boolean to allow installation of packages from unsigned repositories (0 => true)
- **UTC**: Boolean to set the system clock to UTC (possible values: yes or no)
- **TIMEZONE**: Time to choose
- **KEYMAP**: Keyboard translation to choose
- **ROOTPW**: Crypted password for root
- **STOP_ON_ERROR**: **TODO**
- **MAXPACKAGES**: **TODO**
- **username**: ID of the user account to be created
- **USERPW**: Crypted password for the user account to be created
- **usernameansible**: ID of the ansible account to be created
- **myrootkey**: **TODO**
- **myuserkey**: **TODO**
- **ansiblekey**: **TODO**
- **apt_cdn**: **TODO**
- **REMOTENIC**: Network interface to be set
- **REMOTEADDR**: IP address to be set on REMOTENIC with the mask
- **REMOTEGW**: IP address for the gateway to be set on REMOTENIC

However, all host will be with the same IP address.

Disks

The disk is composed:

1. (If the installation is in UEFI) EFI partition in `/boot/efi` with VFAT filesystem (512 MB).
2. Boot partition in `/boot` with ext4 filesystem (500 B).
3. Main partition with LVM configuration (30 GB). This partition is divided into 3 parts:
 - a. Root partition in `/` with ext4 filesystem (7 GB).
 - b. Log partition in `/var/log` with ext4 filesystem (1 GB).
 - c. Swap partition (500 B).

This can be changed in the `build_debian_iso/srv_fai_config/disk_config/` directory. There is always 2 versions (one in Legacy BIOS and another in UEFI mode with the suffix `"_EFI"`).