


SEAPATH

Objectives

- ▶ Industrial grade
- Large community
 - Easy to participate to the project
 - Easy to deploy
 - Level 1 : get already build images
 -  provides images
 - Level 2: build the generic images with guidelines
 - Level 3: deploy the CI and use it
 - Level 4 : modify the images in ansible & yocto
- ▶ Hardware agnostic
- ▶ Real time
- ▶ High availability
- Configuration
 - By design
 - Provide images that are configured by design (and explain how to change it in yocto)
 - Setup capabilities and configuration with yocto and provide already configured images
 - All by ansible
 - Set up all the configuration with Ansible or manually
- ▶ Setup the capabilities in SEAPATH and provide several generic images

UseCases

- Quickly install SEAPATH on a physical computer, connect to it without any security directly or via ssh
- Build SEAPATH distribution in a corporate environment
 - with CI
 - without CI
- Build SEAPATH in a cloud (ex AWS)
 - with CI
 - without CI
- Quickly deploy SEAPATH in a VM connect to it without any security directly or via SSH
- Deploy a SDN inside SEAPATH
- Deploy my VM inside a SEAPATH instance
 - Subcase : the seapath instance is virtual
 - Subcase : the seapath instance is deploy on a physical machine
- Deploy seapath as a cluster on physical machine
- Deploy seapath as a cluster on a virtual cluster
- Build and deploy an image without clustering features
- Update the images
 - patches without building a new image ?
 - not the way it's done today
 - how to rollback ?
 - use packages
 - provide a new firmware / images
 - part A /Part B