

SEAPATH-Debian or SEAPATH-Yocto

Two versions of LFEnergy SEAPATH could be used.

Here is a comparison of them:

Category	SEAPATH-Debian	SEAPATH-Yocto
Version	<ul style="list-style-type: none">Debian 12 (current)Debian 11 (legacy)	<ul style="list-style-type: none">Yocto Kirkstone (current LTS)Yocto Dunfel (previous LTS)
Features	<ul style="list-style-type: none">Host<ul style="list-style-type: none">Virtualization (KVM)Containers (Optional with Docker)Linux-RT	<ul style="list-style-type: none">Host<ul style="list-style-type: none">Virtualization (KVM)Containers (Optional with Docker)Linux-RT
Build	<ul style="list-style-type: none">Using FAI to create a disk installation with default configurationNo build of packages: pre-build package from Debian are used	<ul style="list-style-type: none">Build from the source code
Customizati on	<ul style="list-style-type: none">No ability to customize librairies and binaries<ul style="list-style-type: none">Relying on Debian communityCustomization of the configuration only (done by Ansible)	<ul style="list-style-type: none">Ability to customize librairies and binaries<ul style="list-style-type: none">Customization could be done by Yocto communityCustomization could be done by SEAPATH communityCustomization could be done by third-party community
Configurati on	<ul style="list-style-type: none">Done by Ansible on run-time	<ul style="list-style-type: none">Done on build-timeDone by Ansible on run-time
Updates	<ul style="list-style-type: none">TODO	<ul style="list-style-type: none">A/B update mechanism using SwUpdate
Cybersecur ity	<ul style="list-style-type: none">Compilation flags<ul style="list-style-type: none">Not availableLinux Kernel hardening<ul style="list-style-type: none">Not availableMinimisation of services<ul style="list-style-type: none">Partially done: only essential packages are installed but unnecessary configurations might be set	<ul style="list-style-type: none">Compilation flags<ul style="list-style-type: none">Done (TO DETAIL)Linux Kernel hardening<ul style="list-style-type: none">Done (TO DETAIL)Minimisation of services<ul style="list-style-type: none">Done