



Ubuntu Server at Orange Federate and build through Inner Source

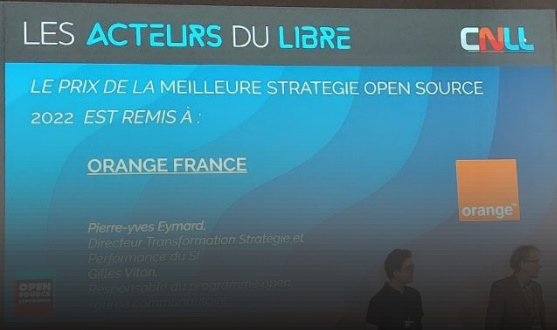


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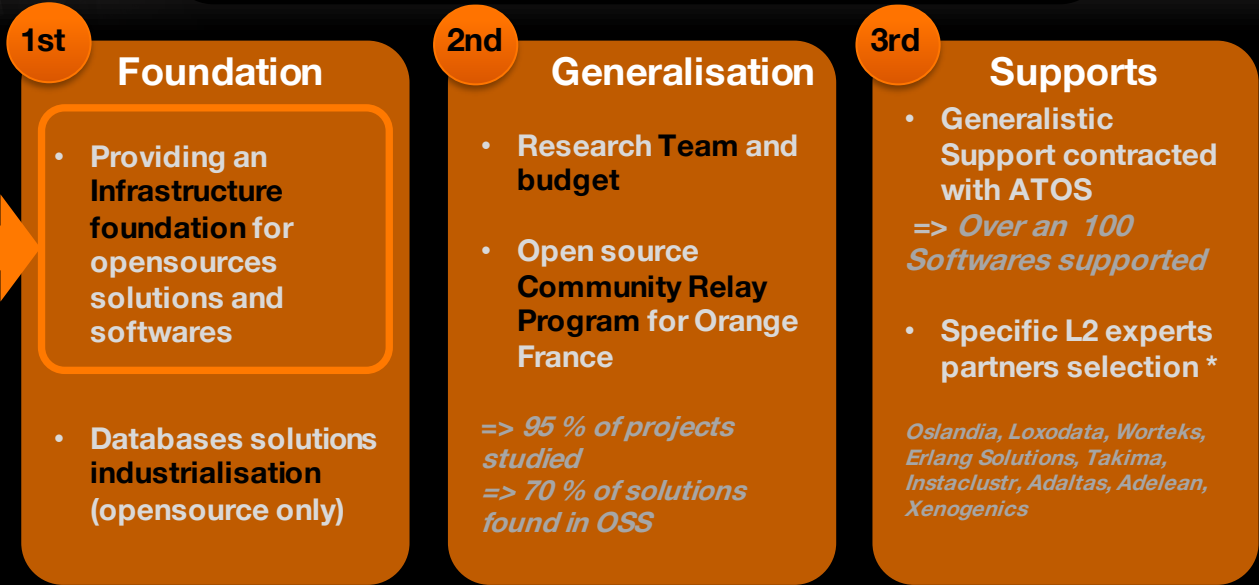
Orange France Infra. Products softwares Governance



An **initiative** included in an award-winning **strategy** for **Orange France OSPO**, based on

3 majors axis :

FOCUS of the day



** 2018 OpenForumEurope study: Smalls companies are more dynamics and actives on OSS: 75 % of contributing companies have less than 100 employees*

Why Ubuntu ?

Main motivations



A way of doing more simpler, assuming our technical choices, don't want to reproduce our legacy practices of hyper-industrialisation



open source

An OSS Friendly OS for a new industrialised foundation think for open source solution
(OSS call OSS and Proprietary call Proprietary)



debian

Based on an other root compared to first (RHEL)
A way to reduce coupling with an only one solution
(Possible easy fallback on Debian, risk driven)



docker

An OS how follow us throughtout our Move2Cloud Strategy and DevOPs friendly



The possibility to interact with the editor

What we produce ?

Under the hood



An Host OS master



Private Cloud Infra. staging

Group Requirements, SSL
France Local flavour

Group Requirements, SSL
Group flavour

Hardening CIS, SYSCTL
Universal flavour

 Ubuntu

Server LTS base
By Canonical

CI/CD



Build / Test / Security



A Container image



Internal Docker Image



In Internal registries

Proxy / repositories Config
Update : Upgrade

CA , SSL Config
Group flavour

 Ubuntu

Docker Hub Official Image

CI/CD



Build in synergy against Orange France
On the way the federate over the group

Sharing value with






From a local value
Starting situation

To Inner Source : The solution
Limiting In-house Costs



Currently under study

Sharing Knowledge and sources

-  Pipelines
Gitlab CI templates
-  Ansible :
Hardening CIS *
Tuning (systcl, userland)
-  Packer process

Group forge and CI/CD solution

- Federate Technical Ecosystem
- Building / testing
- Harmonization of methods and flow
- Common source to share sources

Targeting Universal Value

- Layering approach needed to isolate Universal and shareable value

Sharing effort

- Security Watching
- Building / testing and distribution
- Specifications
- Feedback

Made a globally produced solution

- Fork stay possible for specific usages
- Quality enhancement is mutualized : better
- Solution is the product of a consensus

Reach for symetry

- <= A gate for global contribution
- => Need to find community retribution

Sharing and scaling solutions and products

-  **G**roup
- U**niversal

An enabler for re-use (ecosystem, Infrastructures, tools) in the group

- G** Direct usage, re-use of our Industrialized products
- U** For internal usage, blankslate

Value diffusion

- U** For Affiliates and end user / clients usages

 **Internal value creator**

 **Corporate value creator**

 **External value creator**
Starting alone - building together



OpenSource
 Program Office
 ORANGE France

Thanks !



open source

Open sources is better !