Ubuntu Server at Orange Federate and build through Inner Source

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An initiative included in an award-winning strategy for Orange France OSPO, based on 3 majors axis:

**1st Foundation**
- Providing an Infrastructure foundation for opensources solutions and softwares
- Databases solutions industrialisation (opensource only)

**2nd Generalisation**
- Research Team and budget
- Open source Community Relay Program for Orange France
  - => 95% of projects studied
  - => 70% of solutions found in OSS

**3rd Supports**
- Generalistic Support contracted with ATOS
  - => Over an 100 Softwares supported
- Specific L2 experts partners selection

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

FOCUS of the day
Main motivations

- A way of doing more simpler, assuming our technical choices, don’t want to reproduce our legacy practices of hyper-industrialisation
- An OSS Friendly OS for a new industrialised foundation think for open source solution (OSS call OSS and Proprietary call Proprietary)
- Based on another root compared to first (RHEL)
- A way to reduce coupling with an only one solution (Possible easy fallback on Debian, risk driven)
- An OS how follow us throughout 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 flavour
  - Hardening CIS, SYSCTL
  - Universal flavour
- Server LTS base
  - By Canonical

A Container image

- Docker Hub Official Image
  - CA, SSL Config
  - Group flavour
  - Update: Upgrade
- In Internal registries
  - Proxy / repositories Config

Build / Test / Security

- CI/CD
- Build in synergy against Orange France
- On the way the federate over the group

Why Ubuntu?

- What we produce?
Sharing value with

From a local value
Starting situation

To Inner Source: The solution
Limiting In-house Costs

Targeting Universal Value

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

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

An enabler for re-use (ecosystem, Infrastructures, tools) in the group
- Direct usage, re-use of our Industrialized products
- For internal usage, blankslate

Value diffusion
- For Affiliates and end user / clients usages

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

Sharing and scaling solutions and products

External value creator
Starting alone – building together

Internal value creator
Corporate value creator

* CIS: Center for Internet Security
OpenSource Program Office ORANGE France

Thanks!

Open sources is better!