

« Cyclone »

LAL - Assemblée Service Informatique

19 Novembre 2015

« Cyclone »

Horizon 2020

Call: H2020-ICT-2014-1 Topic: ICT-07-2014

Type of action: IA Proposal number: SEP-210163803

- Projet européen
 - * type : “Innovation Action”
 - * durée : 3 years ; 2015-2017
 - * budget : 2,9M€
- 7 participants, 6 pays:
 - * IRT; *Italy*
 - * CNRS (*LAL-IFB*); *France*
 - * Sixsq; *Switzerland*
 - * QSC, TUB; *Germany*
 - * I2CAT; *Spain*
 - * UvA; *Holland*
- Permanent:
 - * O. Lodygensky
- CDD:
 - * G. Marshall Duval (ASR - 24 mois)
 - * M. Zayed (dev - 12 mois)

Objectif

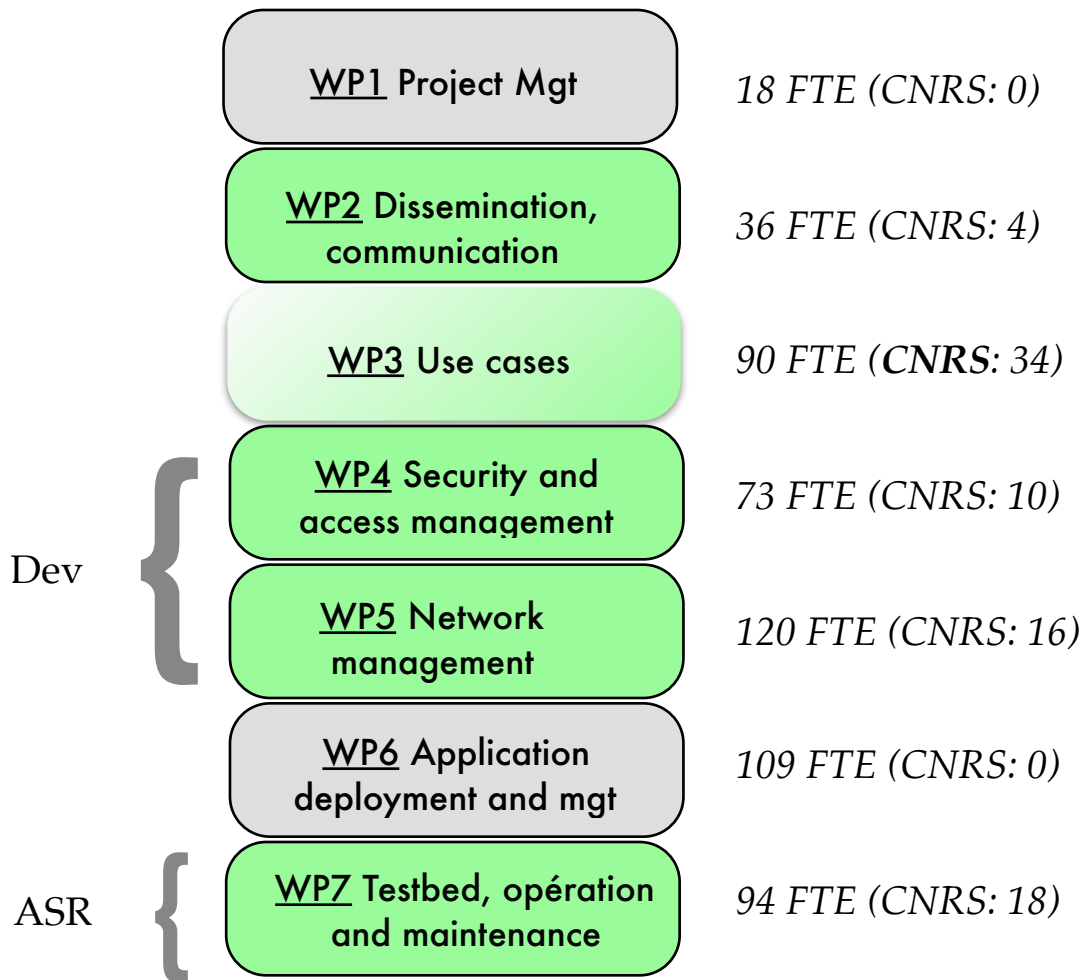
Deployer des applications complexes sur un cloud multi sites.

1. Déployer et maintenir plusieurs clouds
2. Coordonner ces clouds
3. Sécuriser cet environnement
4. Automatiser les déploiements applicatifs

➔ Développer et intégrer les nouvelles fonctionnalités nécessaires



Work packages



CNRS
(LAL; IFB)

Budget :
573K€

Personnels : 82 FTE
Permanents
O. Lodygsky (LAL)
C. Blanchet (IFB)

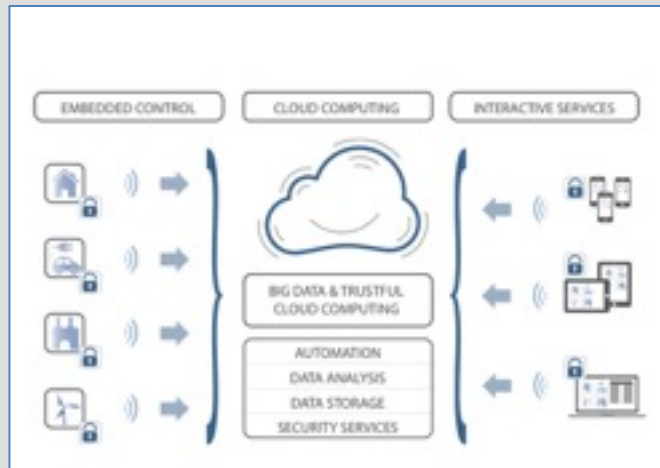
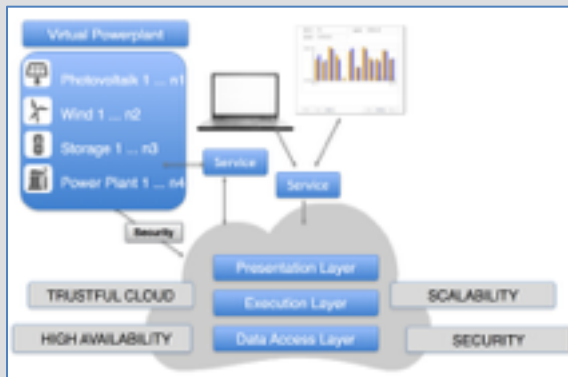
Non permanents LAL : 24 FTE

WP3 « use cases »

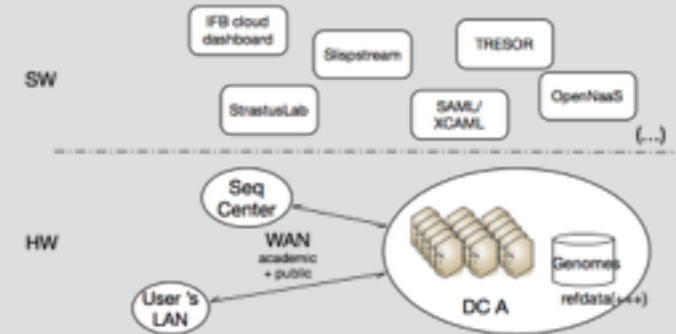
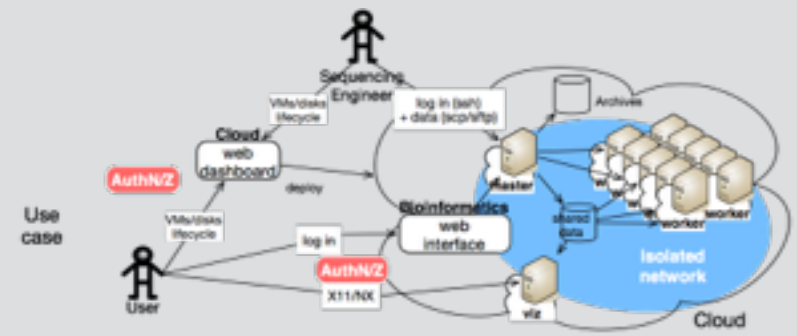
34 FTE (IFB)

CNRS, I2CAT, IRT, QSC, SixSq, TuB, UvA

Virtual power plant



Bio Informatique

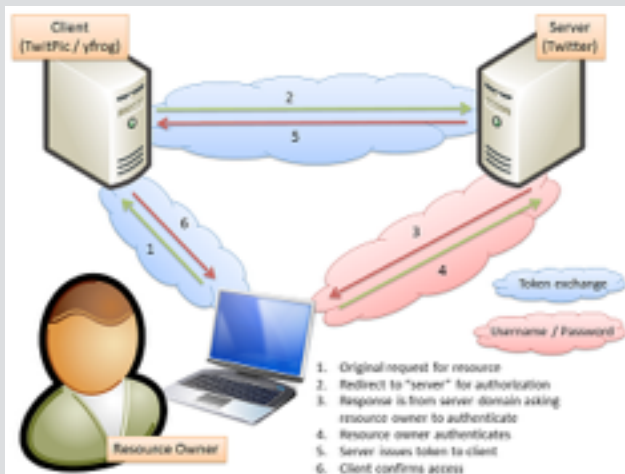


WP4 « security »

10 FTE (IFB:4; LAL:6)

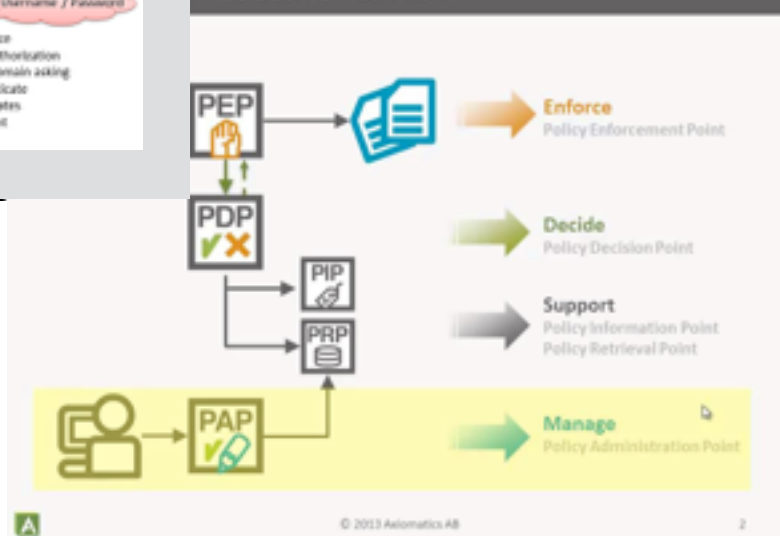
CNRS, I2CAT, IRT, QSC, SixSq, TuB, UvA

Authentication

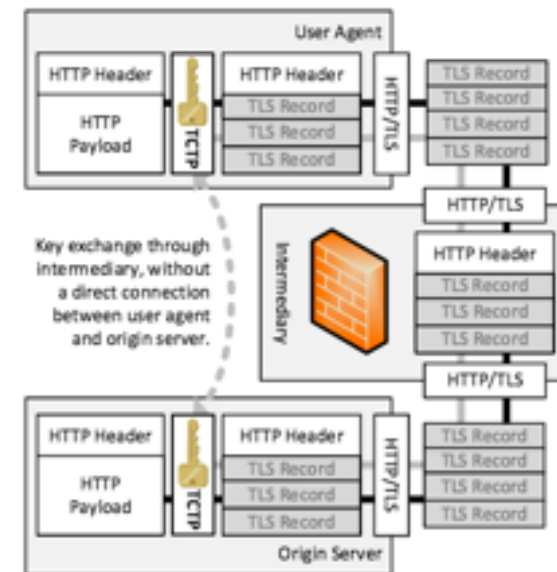


Authorization

Architecture & Flow



Data protection

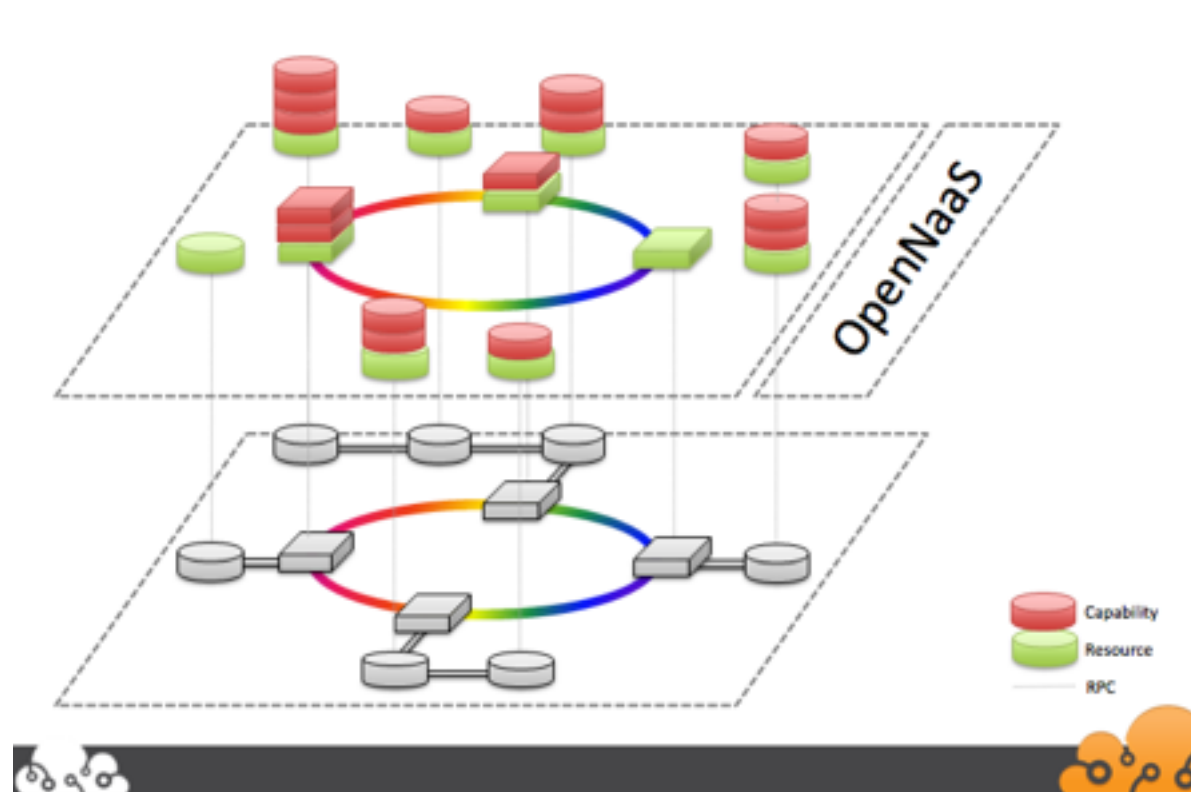


WP5 « network »

16 FTE (LAL)

CNRS, I2CAT, IRT, QSC, SixSq, TuB, UvA

End to end network management



WP7 « testbed »

18 FTE (*IFB: 6; LAL:12*)

CNRS, I2CAT, IRT, **QSC**, SixSq, TuB, UvA



- Abandon Stratuslab
- Migration OpenStack

- Un ingénieur en alternance sur 24 mois