OW2con'14
Open Cloud Day

November 4-7, 2014
Palais des Congres, Paris & Innovation Garden, Orange Labs, Issy-les-Moulineaux
Day One
09h00  Setting the stage in Open Cloud

09h50  OpenCloudware: The vApp Lifecycle Management Solution for Multi-Cloud

11h00  XLCloud: 3D rendering in the cloud

11h50  The CompatibleOne Story: from collaboration to industry

12h30  Lunch Break

13h50  OW2 Big Data Initiative Workshop  RISCOSS Convention

14h40  Re-VAMP load testing with CLIF for continuous integration on the cloud

14h40  erOCCI, a scalable, model-based REST API framework

15h30  ProActive Cloud Automation: Workflow Scheduling & Orchestration

16h30  Emerginov: an OW2 African adventure - from Hackathons to the Cloud

17h10  Industrializing Machine Image Creation for Cloud Environments
OCEAN Open Cloud Directory
for Open Source Cloud Projects

Dr Yury Glikman
Fraunhofer FOKUS
November 4-7, 2014
Palais des Congres, Paris
& Innovation Garden, Orange Labs, Issy-les-Moulineaux
Who is who in the cloud of cloud projects?

@OceanOpenCloud  ocean-project
Who is who in the cloud of cloud projects?

http://www.ocdirectory.org/
Open Cloud Directory:

www.ocdirectory.org

- Online registry of open licensed outcomes of cloud R&D projects
  - European FP7 research projects
  - European national research projects
  - Japanese research projects
  - other Open Cloud projects and initiatives
- Special focus on Open Source software and technical documentation
- Open, user-driven portal -> Register your own results
- Hosted by Fraunhofer during and after the project time → OW2 Service
Who is who in Open Source Cloud?

Open Cloud Interoperability Framework

Your Cloud Project

- Asset
- Asset
- Asset

Open Cloud Interoperability Framework

Roles/Activities

- How stakeholder tasks and responsibilities are supported

Functions/Components

- Architectural layers multi-layers

Technologies/Standards

- Support for Interoperability

Cross-cutting aspects
OCEAN 3 main Services

- Interoperability Framework
- Quality Testing
- Open Cloud Events

http://www.ocdirectory.org/
Register Your Project in the Open Cloud Directory

Position Your Project in the Interoperability Framework

Verify Your Components with Etics

Develop synergies and integration With Other Projects

ASSETS

COMPONENTS

TESTS

TOUCHPOINTS

OceanOpenCloud OceanProject
Register your Open Source project in Open Cloud Directory

http://www.ocdirectory.org/

www.ocean-project.eu
Contact: Yury Glikman
yury.glikman@fokus.fraunhofer.de
Building Hybrid Cloud Using Open Standards

Najah NAFFAH
Prologue
November 4-7, 2014
Palais des Congres, Paris & Innovation Garden, Orange Labs, Issy-les-Moulineaux
Hybrid Cloud Trends

Enterprise Cloud Strategy
1000+ employees

- No plans: 4%
- Single public: 13%
- Single private: 9%
- Multi-Cloud: 74%
- Multiple private: 11%
- Multiple public: 15%
- Hybrid cloud: 48%

Source: RightScale 2014 State of the Cloud Report
MultiCloud Use Cases

- Bursting
- Hybrid
  - Mission Critical Factor
- Full Hybrid
- MultiCloud
  - Location Factor
  - DR Factor
- MultiCloud Best of Breed
Prologue  *Use It* Cloud Broker Platform
Cheops Technology and Prologue

Connect2Cloud® an Open Hybrid Cloud

Private Cloud: Appliance
- Cheops Techn.
- Appliance
- Initial Capacity
- 50 to 100 VM
- Self Contained
- Elastic to Public Cloud

Use it Cloud Broker
- UiC B

Prologue
- Service Catalog
- Scripts
- Orchestration
- Supervision
- Identity Management
- Evolution

Public Cloud: Cloudwatt
- Cloudwatt
- Extension 20 VM per client
- Supervised with UiC B
Connect2Cloud
The rationale for adopting OpenStack in Hybrid World

✔ CHEOPS TECHNOLOGY has decided to invest on OpenStack as the best way for our customers to embrace the Public Cloud opportunity.

✔ Our new challenge is to convince customers reluctant to any form of externalization to convert their in-house infrastructure to a Dedicated Private Cloud, bringing all the advantages of the Cloud Computing.

✔ At the end of this “journey to the Cloud”, these customers will need some openness to Public Cloud!

✔ That’s the reason why their private Cloud couldn’t be based on traditional proprietary solutions.

✔ These solutions close the door of dominant Public Clouds, where OpenStack is the key to compatibility.

✔ Prologue Use IT Cloud (UIC) help us building the bridge between private OpenStack based solutions, and main Public Cloud Providers.

✔ We have introduced UIC in our new offer, Connect2Cloud
Use it Cloud Broker - Benefits

- **Real MultiCloud Capabilities**
  - interoperability,
  - multicloud feature embedded in our template

- **VPC Capability across Multiple Clouds**
  - Federating multiple VPCs owned by different Cloud Providers

- **Ease of Deployment of large applications**
  - Interoperable across multiple Clouds
  - Ability to migrate

- **Easy to connect new Cloud**
- **Easy to bridge existing Clouds**