

Conference calls: Minutes

Participants identified on doodle:

- Alban Richard (UShareSoft)
- Alexandre Lefebvre (Orange)
- Benoît Pelletier (Bull)
- Catherine Nuel (OW2)
- Christophe Hamerling (PetalsLink)
- Hailong Sun (BUAA)
- Jean-Pierre Dion (Bull)
- Jean-Pierre Laisné (Bull)
- Jean-Pierre LORRE (PetalsLink)
- Lionel Seinturier (INRIA)
- Minghui Zhou (PKU)
- Nenad Stojanovic (FZI, University of Karlsruhe)
- Parham Parvizi (Talend)
- Patrick Moreau (INRIA)
- Patrick Petit (Bull)
- Wei Wang (ISCAS)
- Yury Glickman (Fraunhofer Fokus)

OSCi mailing list

- cloud-initiative@ow2.org
- To subscribe: email to sympa@ow2.org with the following subject: SUBscribe cloud-initiative <name>
- To consult archives, login to <http://mail.ow2.org/www> (a password will be delivered when asked to Sympa) and go to cloud-initiative

Introduction policy on mailing list:

1. Subscribe to the mailing list
2. Introduce your activities in cloud computing, eventually your road map and introduce your contribution to OSCi

Note

The OSCi mailing list is open to any subscriber.
All emails regarding OSCi are circulating via this list.

OSCi website

The OSCi website is available at <http://www.ow2.org/Cloud/>

Agenda:

1. OSCi Workshop in Beijing Follow Up
2. 2nd OSCi Workshop in Paris Follow Up
3. OSCi Domains Follow Up
4. Collaborative projects: status, new projects, Call 8 FP7 (IP,CSA), ...
5. Misc.

Tuesday 24 May 2011 at 11:00PM CEST**Attendees**

- Alban Richard (UShareSoft)
- Alexandre Lefebvre (Orange)
- Catherine Nuel (OW2)
- Christophe Gravier (Institut Telecom St Etienne)
- Denis Caromel (ActiveEon)
- François Exertier (Bull)
- Hailong Sun (BUAA)
- Xu Wang (BUAA)
- Jean-Pierre Laisné (Bull)
- Nenad Stojanovic (FZI)
- Stefano Scamuzzo (Engineering)
- Yury Glikman (Fraunhofer Fokus)

Were also expected and are excused:

- Benoît Pelletier (Bull)
- Minghui Zhou (PKU)

- Duration: 2:00 hours
Attendees : 12

Tuesday 24 May 2011 at 5:00PM CEST**Attendees**

- Alexandre Lefebvre (Orange)
- Gregory Lopez (Thales)
- Jean-Pierre LORRE (PetalsLink)
- Jean-Pierre Laisné (Bull)
- Patrick Petit (Bull)

- Duration: 1:45 hour
Attendees : 5

Were also expected:

- Andrea Manieri (Engineering)
- Jean-Pierre Dion (Bull)
- Parham Parvizi (Talend)
- Patrick Moreau (INRIA)

Report

Introduction of new partners

Gregory Lopez, Thalès. GL is in charge of coordination of projects and programme on Cloud and security. Cloud is of interest to Thalès, and open source is now again in Thalès strategy.

Patrick Petit, Bull. PP is a Cloud Computing Architect at Bull, in relationship with marketing, and for cooperative projects related to cloud computing and open source. Bull has recently submitted a HPC cloud collaborative research project.

1. OSCi Workshop in Beijing Follow Up

- **Action** AFNOR/ISO meeting: *DONE in April. No Feedback yet. AL to get feedback.*
- **Action** BUAA: Hailong Sun has organized a team to study JASMINE and JOnAS. BUAA's Web Service container will run on top of JOnAS. François Exertier confirms there is an integration of AXIS2 in JOnAS by PKU (in beta). Apache CXF is also integrated in JOnAS. BUAA works on software similar to JASMINE for Cloud management, but has no similar design tools. François Exertier confirms JASMINE works on JMX but adaptor can be done for web services. BUAA proposes a new use case for JOnAS and JASMINE. Possible contributions from BUAA could be components to enhance Web Services support in JASMINE. *BUAA and Jasmine team to discuss all this on JASMINE Mailing List.*
- **Action** ISCAS: Benoit has invited people to join JOnAS mailing list (done). ISCAS team and JOnAS/JASMINE team started collaboration.
- **Programming Contest:** in progress. 33 topics submitted, registration for contestants is open until July 1st, work to be realized during the summer, ceremony in Beijing (University of Science and Technology). More information on <http://www.ow2.org/Events2011ProgrammingContest/>
 - Benoit and Heng Wu have proposed an OW2 programming contest topic concerning the security of multi-tenancy, say Add Context-Aware Support for JOnAS Security.
 - Wei Chen and Wei Wang (ISCAS) have proposed an OW2 programming contest topic concerning the application migration, say Deployment package customization module for JASMINE Deploy tool (JaDOrT).
 - Wei Wang and Wenbo Zhang (ISCAS) have proposed two OW2 programming contest topics concerning the cloud-enabling testing, say Add a script module for Internet application to Bench4Q, and Add a support for multi-tenancy in cloud computing to Bench4Q.
 - ISCAS has registered 4 teams for the above topics.

All these actions are in progress.

2. OSCi Workshop in Paris Follow Up

- JPL reviewed the action items that were taken during this workshop.
- Slides were to be sent to the list:
 - Slides received: LS, GD
 - **Action:** Missing slides: AM (Engineering), CH (Domain 2)
- **Action:** AL to remind OSCi about the Domain 1 draft document.
- **Action (done):** CN has uploaded the OSCi factsheet (final version) on the web site (see document at <http://www.ow2.org/xwiki/bin/download/Cloud/Documents/OSCi%2DFlyer%2DFinal%2DApril11.pdf>)

3. OSCi Agenda and Domains Follow Up

OSCi R&D Agenda

All drafted documentation to be published on the web. Plus web, presentations and documentations to be updated

- SOTA document available.
- Domain presentations available for domains 1, 2 and 3.
- Domain 4 missing.

Action: JPL and AL to publish those documents on the website.

ED reminded that, when participants do not have time to enrich the site, the OW2 Management Office can do it. Please contact mo@ow2.org.

Domain 1: Integration of OpenStack, OpenNebula

DC reported on the start of integration of OpenStack with ProActive (prototype of ProActive using OpenStack).

DC and OpenStack to discuss collaboration with ProActive.

OSCi should plan to discuss other OW2 cooperations with OpenStack (Cedric Thomas has a good knowledge of the OSCi OW2 relationship).

DC is integrating OpenNebula starting to work (issues with maturity).

Action: AL to find out about the state of DeltaCloud (liveliness of the standard in progress), also with Jean-Pierre Dion. JPD has not checked the state of DeltaCloud for a while, but will take a look and interact with Denis about it.

AL reported that Sirroco has been accepted as an OW2 project, is a multi cloud infrastructure engine on

top of different IaaS provider. ProActive, Jasmine VMM, JOnAS, are integrated, and Entropy, OpenStack and OpenNebula are in the roadmap. Source code to be available ASAP.

JOnAS and JASMINE teams are working on adaption for cloud.

Domain 2: Update

Nenad reported Complex Event Engine integration is in progress to bring real time flavour in cloud management. Denis confirmed collaboration ProActive peer2peer infrastructure. More infos in June.

JP Lorre reported on the progress of Domain 2.

2 main aspects:

1) Event architecture with 3 levels (projects Play <http://play-project.eu/> & Soceda <http://research.petalslink.org/display/soceda/SocEDA+Overview>)

- event management by PetalsLink to collect events (PetalsESB). This implements WS-Notification. Events can come from various sources.
- Event cloud: events produced at the first level are processed in a overlay peer to peer (distributed DBMS) based on ProActive (INRIA Oasis) which can be seen as a distributed database.
- CEP engine: the events are processed to detect various patterns, and deduce higher-level events. These higher-level events can be re-injected into PetalsESB to adapt running processes.

2) Link ESB with IaaS (Choreos): work with Thalès and San Paolo University on the links between a PetalsESB-like infrastructure and a IaaS infrastructure. Petals nodes manage services: how can we make the most of the IaaS elasticity to make the service container itself elastic.

For more information, also see <http://research.petalslink.org>

The CEP engine developed by FZI (Etalis) is available at: <http://code.google.com/p/etalis/>

Action: JPLorré to update the domain 2 presentation document.

Action (done): JPLorré to provide information and documentation about the event processing architecture.

Domain 3: Update

SS reported on the progress of Domain 3.

The appliances are available on the UShareSoft Appliance Center <https://www.usharesoft.com/appcenter/>

It would be nice to build appliances with the final format and to make them available on the OW2 infrastructure.

The next milestone is to produce a single appliance integrating in a single scenario the developments so far.

PP requested a domain-specific mailing list for Domain 3.

Action: AL to setup the BI4CLOUD-OSCi mailing list, including initial participants, and advertise the new list on cloud-initiative@ow2.org. Proposed name is cloud-initiative-bi4cloud@ow2.org. SS to propose the list of subscribers for this mailing list.

Domain 4: Update

Guillaume Doyen expressed his interest.

JPL mentioned that INRIA SARDES was also working on this area. The contacts are Jean-Bernard Stefani, Fabienne Boyer and Noël De Palma (all subscribers to this mailing list).

Jean-Bernard already pointed on 2 relevant papers:

Managing Clouds: A Case for a Fresh Look at Large Unreliable Dynamic Networks

<http://www.cs.unibo.it/babaoglu/papers/pdf/osr-babaoglu-etal.pdf>

On Delivering Embarrassingly Distributed Cloud Services

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.150.606&rep=rep1&type=pdf>

JPL mentioned also SlapOS (OW2 project) from Nexedi (OW2 member), with the idea of a fully distributed cloud. Contact Jean-Paul Smets <jp@tiolive.com>

Key terms: Edge cloud, personal cloud, privacy

Domain 5: Security

Potential collaboration area to be explored by Thales. Possibility of a 5th domain about security, which has been suggested by Pascal Jakobi (Thales). Idea to mature within Thales, and which could be a contribution to OW2 and OSCi. OSCi would welcome such a domain.

Note that CompatibleOne has activity on security, managed by Bull and Institut Telecom.

Also note that Orange Labs has competence and interest on cloud security.

Boundaries of Security to be defined since it is a wide topic .Includes data security, access and identity management (including interoperability), authentication, authorization, (SAML etc)....

Cloud Security Alliance <https://cloudsecurityalliance.org/> (CSA) and OSCi to be connected. We could consider OW2 becoming a member of CSA.

The vision of CSA is to consider security as a whole, even though it is indeed a wide technical area.

ForgeRock France has a representative in Grenoble (Ludovic Poitou).

4. Synergies

We noted that collaboration with CompatibleOne about the resource model needs to start (it was decided at the Paris workshop that Jamie would initiate the communication between CompatibleOne and OSCi).

JPL and AL suggests to hold a common OSCi-CompatibleOne workshop to share technical results (including other platforms such as HEV <http://www.projet-hev.org/dist/presentation.pdf>).

Programme CompatibleOne and OSCi 1st Workshop on 7 June 2011
<http://www.ow2.org/view/Events/OSCiCompatibleOneWorkshopParis>

14:00 – 14:05 Introduction par Jean-Pierre Laisné (Bull / OW2)
14:05 – 15:00 CompatibleOne par les partenaires du projet:
Alain Pham (Bull), Stéphane Laurière (Mandriva), Jean-Pierre Dion (Bull), Djamel Zeghlache (Institut Telecom), Fabio Mancinelli (xWiki), Cedric Thomas (OW2)
15:00 – 15:20 SlapOS : retour d'expérience par Jean-Paul Smets (Nexedi)
15:20 – 15:40 SlapOS, OpenStack, OpenNebula, Map/Reduce integration with ProActive par Denis Caromel (Activeon), Brian Amedro (Inria)
15:40 – 16:10 Retour d'expérience sur la solution HeV par Hubert Tournier (Les 3 Mousquetaires)
16:10 – 16:40 Architecture des plates-formes IaaS: état des lieux et perspectives par Frederic Dang Tran (Orange Labs)
16:40 – 17:10 SelfXL/Autoscaler, framework pour la construction d'application élastique dans le cloud par Benoit Pelletier (Bull)
17:10 – 17:40 OW2 OSCi State of the Art : une analyse de l'état de l'art et du marché par Lionel Seinturier (Inria)
17:40 – 18:30 Question et Réponse / Networking

Note that CompatibleOne has reviewed a number of cooperative research projects, and it appears that there is quite a number of such projects.

Idea of Cedric Thomas to organize similar workshops with other projects, to create more momentum and sharing about open source cloud.

5. Collaborative Projects

- **Open Cloud Europe and Beyond** (Support Action or Integrated Project to be discussed)

Yury Glikman reported on the status of setting up a Call 8 support action (see report sent by JP Lorre on the mailing list).

Objective 1.2 of Call 8 was set up in Budapest last week. Yuriy Jean-Pierre (Lorre) and Nenad were present. Budget for this call has been reduced to 70 MEuros. Maria Taskali (responsible for Cloud Computing in EC department).

Report

Budapest – Proposer Day – May, 19 2011

Report about the presentation at the proposer day in Budapest

Both Strategic Support Action and IP were presented to Arian Zwegers and Maria Taskali (in charge of cloud computing for unit D3).

General:

- The total budget for objective 1.2 was decreased to 70 M Euro
- Rainer Zimmermann recommended to propose projects with maximum duration 36 months
- The projects have to be very industry focused
- Involvement of users is required even if not the end users
- Do not repeat national or other EU projects

1/ Support Action: OpenCloud for Europe and Beyond

Main feedback is that they are waiting for 2 kinds of SSA:

- One dealing with support for the direction's projects
- One dealing with the collaboration with Japan about cloud computing. In this case Japan's organization may be funded. Traditional SSA funding schema for European organizations is 100% + 3% overhead. Latin American partners can participate, but it will not give any bonus in the eyes of reviewers
- In his speech Rainer Zimmermann mentioned that he is personally skeptical about projects organized to foster international collaboration

We reminded that SSA should not deliver code (associated projects do). Targets are 1) supporting standards, 2) open source models and 3) collaboration with Japan.

We see two main goals for this SSA:

1. Establish standards of open cloud computing between Europe and Japan
2. Promote open source cloud computing projects

Actions:

1. Establish a Consortium based on OW2 connections (**JPLaisne**): interested people to contact **JPL directly**
2. Identify and contact Japanese partners (**YG to contact IPA**): **Alban also to provide contacts**
3. Identify and contact other projects (**AL OW2**)
 - **4caast** (<http://4caast.morfeo-project.org/>)
 - **Choreos** (<http://www.choreos.eu/>)
 - CumuloNumbo (<http://www.cumulonimbo.eu/>)
 - **Contrail** (<http://contrail-project.eu/>)

- REMICS (<http://www.remics.eu/>)
 - **Reservoir** (<http://www.reservoir-fp7.eu/>)
 - Cloud-TM (<http://www.cloudtm.eu/>)
 - mOSAIC (<http://www.mosaic-project.eu/>)
 - Vision Cloud (<http://www.visioncloud.eu/>)
 - SLA@SOI (<http://sla-at-soi.eu/>)
 - Clouds@home (<http://clouds.gforge.inria.fr/pmwiki.php>)
 - Optimis (<http://www.optimis-project.eu/>)
 - **SOA4All** (<http://www.soa4all.eu/open-source-components.html>)
4. Keep in touch with the commission to exchange about the progress of our SSA proposal (beginning of July)

2/ IP project: OpenCloud4Sovereignty

This project would be based on Domain 4 (more innovative) and how end devices enter the cloud. Overall feedback is that ideas are good. They seem to be in-line with what they are expecting.

Main comments where:

- Important to plan tangible results which must be usable by industry (DC mentioned a French cooperative project targeting RFID. **Action DC** to send information about this project).
- Good to have industrial leadership (big companies and SME). This is an overall comment from Rainer Zimmermann that industrial partners should lead projects.
- Need to investigate current working projects in order to differentiate or identify reusable results (example of openNebula, Nanodatacenter FET project (<http://www.nanodatacenters.eu/>)).
- Not too many French partners. Not more than 3-4?
- Why Japanese partners? Should be justified but they will not be funded (such as US partners). Brazilian partners are funded but should be justified. JPL's comments: misunderstood the role of Japan in this call.
- Strong use-cases should be identified.

Remark: as far as the call will be officially launched a process will be set up in order to present projects to commission for detailed feedback.

Actions:

1) Developing the vision to be shared (JPLo + JPL)

Including participation of Fraunhofer and PetalsLink and INRIA Sardes and Orange Labs and Université de Troye and ActiveEon and FZI

Organize a conference call ASAP with committed OSCi partners

2) Identify use cases (step 1 should help)**3) Define a partner lists (key industry players are mandatory)**

4) Note that participants to the vision development may or not be part of the partner list.

6. Miscellaneous**• Cloud & IT Expo on 18-20 October, Paris (call for volunteer speakers)**

There is a call for participation to the conferences, which will be in the form of round tables.

Identified topics for Cloud computing are available on http://www.cloud-and-it-expo.fr/CONFERENCES_1121.html and include

- * Cloud computing - Partie 1 : fondamentaux, bénéfiques, évolutions
- * Cloud computing - Partie 2 : sécurité, réversibilité, infogérance
- * Questions à poser à un fournisseur de services en cloud computing
- * Des communications unifiées « as a service » à la téléphonie en cloud
- * Embarquement pour le Cloud : conseils et autres réflexions de bon aloi
- * Introduction aux concepts de virtualisation, de SaaS et de Cloud computing
- * Cloud, DSI et gouvernance : IT as a business ou IT for a business ?
- * Quand, pourquoi et comment virtualiser tout ou partie de son système d'information ?
- * Guide méthodologique pour se lancer dans un projet de virtualisation de serveurs
- * Toutes les déclinaisons de la virtualisation pour y voir plus clair
- * La virtualisation du poste de travail : prometteur mais les usagers en veulent-ils ?
- * Datacenter 2.0 : au cœur de la convergence entre réseau, serveur et stockage
- * L'open cloud : pour une meilleure interopérabilité entre les plateformes Paas

Deadline for volunteering as a speaker is the end of this month.

It looks like the last topic (open cloud) is a must for OSCi.

Action: Volunteers for being a speaker to the Cloud & IT Expo conferences must make themselves know to Catherine Nuel before May 31st, 2011.

• “Open Cloud” PlugTest

DC has organized a PlugTest event, which proved to be interesting. We could envision to organize a similar event. Note the link with ETSI.

DC confirm the interest of such an event.

Maybe such a PlugTest event should be part of the proposed CSA? Or to be proposed as a specific Project fro Call 8?

Action: DC to follow up with ETSI about Strategy & New Initiatives.

NEXT

- **Conference calls planned in June**
 - Proposed dates
 - Mon 27 June 5:00 PM CEST
 - Tue 28 June 11:00 AM CEST
 - Tue 28 June 5:00 PM CEST
 - Wed 29 June 5:00 PM CEST
 - Thu 30 June 11:00 AM CEST
 - Thu 30 June 5:00 PM CEST

>>> Please confirm your participation on doodle <http://www.doodle.com/kdrm5i7syvpv74eew>

>>>>>>

Appendix 1: OSCi Workshop, 23 March 2011, Beijing: Report

Attendance

Organization	Participants
BUAA	Hailong SUN
BULL	Benoît Pelletier
BULL	François Exertier
BULL	Guillaume Sauthier
CVICSE	Cherry BIAN
CVICSE	Hang SHI
CVICSE	Huanying LIU
Guangzhou Software Alliance	Xiaohui XU
INRIA	Denis Caromel
INRIA	Yu Feng
ISCAS	Heng WU
ISCAS	Jun WEI
ISCAS	Wei CHEN
ISCAS	Wei WANG
Kingdee Middleware	Honglei WANG
NUAA	Hua ZHOU
NUAA	Zhiqiu HUANG
PKU	Gang HUANG
PKU	Hong MEI
PKU	Junfeng ZHAO
PKU	Minghui ZHOU
PKU	Yan LI

Many thanks to PKU for hosting this great meeting.

There was a rich attendance with people from PKU, BUAA, ISCAS, NUAA(Nanjing University of Aeronautics and Astronautics), CVIC, Bull, INRIA/ActiveEon... I do not have the name of all attendees, may be Cherry or Minghui have it.

There have been presentations of highly interest, almost conforming to the agenda sent by Minghui. Cherry will publish the slides on the OW2 site, she collected all presentations. Below the list of presentations, and the list of actions.

Presentations :

- 1) Welcome speech, by prof. Mei Hong, PKU
- 2) Presentation of Bull involvement in Cloud and OSCi by François Exertier, Bull
- 3) Presentation of OSCi Domain 1 and ClusterScaler (result of Self-XL project) by Benoît Pelletier, Bull
- 4) Data center for understanding software development by Minghui Zhou, PKU
- 5) Shared cluster and Resource Allocation by Yan Li, PKU
- 6) ONCE-Cloud, by Wang Wei, ISCAS
- 7) ONCE Access Controller by Heng Wu, ISCAS
- 8) ONCE Deployer by Chen Wei, ISCAS
- 9) Cloud platform for service oriented software development, by Hailong Sun, BUAA
- 10) ProActive, by Denis Caromel, ActiveEon/INRIA
- 11) Cloud standardisation by Junfeng Zhao, PKU
- 12) InternetWare, by Gang Huang, PKU

Actions :

There has been a discussion about standardisation following the presentation of Junfeng Zhao. She participate to Study Group SG1 cloud of ISO/IEC JTC1/SC 38 (subcommittee 38 -> distrib appl platforms and services), the secretary is Zhou Ping from China, and Jungfeng Zhao is in the Editor Team (from France it is Oliver Colas from AFNOR); the Chinese contribution is about the analysis of the requirements, it includes a "standard works" section, and JungFeng Zhao introduce OW2 as it is an opportunity for OW2 to enter the standard; note that there will be a SG1 meeting in Paris on 11-15 April at AFNOR. So the resulting actions are:

- **Action 1:** Jungfeng Zhao to send what she wrote about OW2 to François and Alex (OW2 CTO) for review (already done by Minghui).
- **Action 2:** OSCi people to provide 2 or 3 slides to Jungfeng Zhao for justification of introduction of OW2 in the report. Potential input: in CompatibleOne there is some planned work on standard (about interoperability), as well as in 4CaaST.
- **Action 3 (regarding BUAA):** BUAA will ask some of their students to have a look at JASMINe to see how they can use it. BTW, Denis is interested by BUAA workflow monitoring demo, I'm not sure if there is an action for this.
- **Action 4 (regarding ISCAS):** Benoît has invited ISCAS ONCE people to join the JOnAS & JASMINe dev team. BTW cooperation items have been identified between ISCAS ONCE team

and ProActive team.

Misc:

- NUAA is volunteer for hosting one of next year OW2 meetings in China.
-
- CVIC people have requirements about cloud and virtualization, and have identified opportunities to integrate some of the presented technologies.