

Minutes of the October 18, 2012 FI PPP Architecture Board Virtual Meeting

1. Attendees

Please unmark your name if you attend the meeting.

Name	Company / Org	Project	Attended
Juanjo Hierro (JH)	TID	FI-WARE	Yes
Stefano De Panfilis (SDP)	Engineering Ingegneria Informatica S.p.A.	FI-WARE	Yes
Alex Glikson	IBM	FI-WARE	Yes
Andreas Metzger (AnM)	Duisburg-Essen Uni	FINEST	Yes
Michael Stollberg	SAP	FINEST	Yes
Guy Sharon on behalf of Andreas and Michael	IBM	FINEST	Yes
Thierry Nagellen (TN)	Orange / FT	INSTANT MOBILITY	Yes
Jean-Marie Dautelle	Thales	INSTANT MOBILITY	Yes
Philipp Slusalek	DFKI	FI-CONTENT	Yes
Denis Mischler	TECHNICOLOR	FI-CONTENT	Yes
Johannes Riedl	Siemens	FINSENY	Yes
Kolja Eger	Siemens	FINSENY	Yes
Werner Mohr	NSN	FINSENY	Yes
Fano Ramparany (FR)	Orange/FT	OUTSMART	Yes
Klaus Moessner (KM)	University of Surrey	OUTSMART	Yes
Arne J. Berre	SINTEF	ENVIROFI	Yes
Denis Havlik	Austrian Institute of Technology	ENVIROFI	Yes

Peretz Gurel (PG)	Athena	SAFECITY	Yes
Roberto Gavazzi	Telecom Italia	SAFECITY	Yes
Carlos Maestre	ATOS	SMARTAGRIFOOD	Yes
Egon Schulz	Huawei	SMARTAGRIFOOD	Yes
Adrie Beulens (AdB)	Wageningen University	SMARTAGRIFOOD	Yes
Mike Surrige (MSu)	IT Innovation	INFINITY	Yes
Federico Facca	CREATE-NET	INFINITY	Yes
Susanna Avessta	TIVIT	CONCORD	Yes
Jani Kaarlejärvi (JK)	TIVIT	CONCORD	No
Jari Juopperi	TIVIT	CONCORD	Yes
Thorsten Sandfuchs	SAP AG	FI-WARE	Yes

2. Agenda

Following is the current proposed agenda. No timeslots have been allocated yet

Time	Topic	chair/presenters
	Opening the meeting and approval of agenda.	Juanjo
	<p>High-priority topics related to FI-WARE:</p> <ul style="list-style-type: none"> • Report on re-structuring of the FI-WARE wiki (FI-WARE Open Specifications, FAQ, etc) • Recent announcement of GEs available in the FI-WARE Testbed • HTTP access to FI-WARE GEs in the FI-WARE Testbed via standard ports • Handing of Security in access to the FI-WARE Testbed • FI-WARE Testbed Survey (first impression) and Validation Questionnaire • FI-WARE focused workshops and webinars 	Juanjo
	Follow-up of new interaction process	Juanjo

	Third Open Call	Juanjo
	Review of any other APs from last FI-PPP AB	All
	Messages to deliver to the FI-PPP Advisory Board (meeting on October 29th)	All
	Relevant info to be reported by UC projects	UC projects
	AOB	

Comments:

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3. Topics discussed, Decisions taken (DEC) and Action Points (AP)

Topics are currently not listed following the ordering in which they will be addressed. This will depend on approval of the agenda.

Id	Topic
	<p>Opening and approval of agenda and previous minutes</p> <p>The agenda was presented and agreed as in section</p>
	<p>Re-structuring of the Wiki</p> <p>recent documents worth looking at for UC projects, when intending to use a specific GE. Links: Summary of FI-WARE Open Specifications Summary of FI-WARE API Open Specifications</p> <p>Summary of FI-WARE Open Specifications (provides self-containing information for every Generic Enabler (GE) concerning usage & re-implementation. From detailed level architecture to API calls)</p> <p>Summary of FI-WARE API Open Specifications (provides solely the links to the</p>

developer API specifications for every GE)

AP on UC projects trying to provide input about questions that it would be worth adding to the FI-WARE FAQ

http://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/FI-WARE_FAQ

Testbed Planned Usage

FI-WARE presents the current state of play within the Testbed, showing the public “Fi-WARE Testbed Planned Usage”-matrix

A separated announcement email with all the needed details will be send by EOB, today.

FI-WARE will furthermore differentiate more between “GE Implementations” and “GE”s. While a “GE” is generic and not necessarily related to a specific company, the “GE Implementation” is specific to one or more party and actually covers a concrete software asset.

The information in the wiki and the catalogue will be changed accordingly.

Demonstration of the catalogue <http://catalogue.fi-ware.eu/node/158> (“BigData Analytics” will in future have the name of the Implementation by TID “someproductname_for_bigData_ana”. Another example: In <http://catalogue.fi-ware.eu/node/194> the “wirecloud Mashup Platform” is the GE-Implementation of the GE “CompositionEditor”.

You can find the links to the GE-implementations on <http://catalogue.fi-ware.eu> together with a description and further details.

In phase II we will as well have more “Instances”, which are exposed in the catalogue entry of each GEI. If you want to access one particular instance, you should read the related entry in the catalogue. It might be restricted to a particular use case or a certain scenario and you have to contact somebody, prior to usage.

Questions: will there be new releases from october to release 2?

JH: we have the concept of minor releases, there might be updated of the Testbed, after end of every sprint or at the end of schedule (non-official) milestone. There will be no submission of deliverable attached to that.

Details can be found on the Technical Roadmap

https://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/FI-WARE_Technical_Roadmap

For specific requests, please talk to the GE owner, there might be ways to help you with earlier previews.

HTTP access to FI-WARE GEs in the FI-WARE Testbed via standard ports

There have been requests to move the GEs within the Testbed to standard ports. A

separate email was send around 2012-10-17.

Please check directly in the catalogue if you have problems accessing a particular GE and revisit the catalogue at <http://catalogue.fi-ware.eu> regularly to be always up-to-date.

Handling of Security in access to the FI-WARE Testbed

Separate presentation on this topic is presented

[https://forge.fi-ware.eu/docman/view.php/7/1398/FI-WARE+Testbed+IdM+temporary+G
eneric+Enabler.pptx](https://forge.fi-ware.eu/docman/view.php/7/1398/FI-WARE+Testbed+IdM+temporary+Generic+Enabler.pptx)

The testbed and the cloud chapter worked together on this solution and FI-WARE would like to take it in place as soon as possible. It targets a “single” user-identity for the complete platform => unified identity management. Currently this is a temporary solution for V1, but might be available in the 2nd release. In the 2nd release the security chapter already planned to provide corresponding solution.

Technologies involved: Oauth v2.0 (Authentication, Authorization & Trust management) & Keystone (User profile management).

Medium-term solution

(there are as well backup plans, if this wouldn't work out)

Planned availability (mid-term solution): by end of November

(short-term solution availability planned earlier - depending on a meeting, today.

Updates planned to be send out tomorrow (2012-10-19)

client-support: web servers, web browsers & native apps

Web server: users authenticate via IdM web page and the web server will act as “client” and invokes the FI-WARE GE APIs (detailed interaction description is available in the presentation it covers mainly Oauth 2.0 standard process)

Web Browser: e.g. on desktop clients or mobile devices (detailed interaction available in slides). ClientApp (on the browser) will do the authentication with the IdM web portal.

Authentication in first case: IP and token while in the 2nd case no access through the firewall (application might be needed to change in order to implement OAuth 2.0), it is based on the token alone. Circumventable with a short-term solution, to be presenting later.

MSu: if I want to share my access to a fi-ware instance, can I share this access to others? Do I have to setup a user in the central IdM system?

JH: the instance out of the catalogue will have the service endpoint, the keystone validates the token towards the user providing the token. This is planned to evolve to authorization and not only cover authentication. A user would map to one or more roles or groups and roles/groups get access to the GE.

MSu: How is the data of a single user handled in the GEs? Can a user share the data he entered in an instance?

JH: By default we are deploying one instance per GE. Use cases can request a specific instance to be setup for them. Example is the "CEP" (complex event processing) - all of the instances are linked in the catalogue <http://catalogue.fi-ware.eu>

Additionally: The IDM portal will have administrative parts, which will allow adding new users.

MSu If e.g. SAFECITY is entering privacy-rights protected data and other projects might be able to administrate and give rights to arbitrary users on arbitrary instances. If e.g. SMARTAGRIFOOD gives access to this data, how can SAFECITY protect this from happening? It is unclear if these concerns are already addressed by the concept, presented.

JH: this needs to be discussed offline it is more a matter on how to operate this and not only about the technical solution.

AP: follow-up a discussion via email

Recommendation: Presentation should be enhanced by roles (e.g. who will act as "testbed-admin")...

Native applications: basically the same as the other ones. Skipped.

Short-term solution

This is the quick&dirty solution in particular to the "user-agent"-case for clients running on dynamic IPs (e.g. mobile devices).

IPs are not known & may change dynamically. The firewall will be used to tackle this. The application needs to provide a login-form to the user, which essentially would log-in to the IdM web portal. The web portal is able to find out which IP address the user is using and through an API the firewall will be opened for this IP. When the access fails due to a changed IP, the application would need to detect this and renew the login on the web portal.

JH: is this ok for SAFECITY?

RG: Has to be verified with developers, but seems to cover our requirements. As POC is planned for 29th Nov, timing needs to be considered & short term solution is probably implemented. confident "should not be a great deal".

Again: there will be details send out for this short-term solution, which will be send around, depending on a meeting on the 2012-10-18 - but as there are as well backup plans for this, FI-WARE is confident to find a solution for the use case projects.

You can find more details on the presentation on how to operate this. Comments are welcome.

Carlos has to leave. AGRIFOOD will send feedback offline to the AB-mailing list.

From: Andreas -- Just a question (can be answered offline), will there be a written tutorial / guidelines in the Wiki for the test bed access that I can pass on to the technical team in Flnext? Thanks!

FI-WARE Testbed Survey (first impression) and Validation Questionnaire

During the FI-PPP AB in Tel-Aviv we talked about three milestones (mid October, end of December, end of March) and one single questionnaire. We have splitted this into two:

- First survey (more lightweight): Already sent, expected answers mid October
- Validation questionnaires: to be filled end of December and end of March

Regarding questionnaire FI-WARE needs feedback from UC projects as to make sure that the questionnaire is designed in a form suitable (and easy) to fill.

Picture of one example for the questionnaire in relation to the UC<->GE mapping (example for ENVIROFI):

	A	B	C	D	E	F
Envirofi		Question 1. Is the provided documentation clear enough in order to understand the features you used and their implementation? (Star-Rating)	Question 2. Is the GE implementation complete with respect to what declared in the GE specification? (Star-rating)	Question 3. Please can you say what desirable to have more/better in the GE implementation?	Question 4. Do you plan to introduce customizations and use-case specific example data? (Y/N)	Question 5. If yes, what amount, which parts of the platform, etc.
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2						
3	(Backend) Advanced Connectivity Management GE					
4	(Backend) Device Management GE					
5	(Backend) Things Management GE					
6	(Gateway) Advanced Connectivity Management GE					
7	(Gateway) Data Handling GE					
8	(Gateway) Device Management GE					
9	(Gateway) Protocol Adapter GE					
10	BigData Analysis					
11	Creation of Cloud Proxies		**			
12	Data Handling					
13	Ericsson Composition Editor (ECE)					
14	Location Server	****				
15	Mashup Factory				YES	
16	Mediator					
17	Query Broker					
18	Semantic Annotation					
19	Semantic Application Support					
20	WireCloud					
21	U					
22	Allocation of Object Storage					
23	Allocation of VMs					
24	Complex Event Processing (CEP)					
25	Identity Management					
26	Light Semantic Composition Editor					
27	Marketplace					
28	Publish/Subscribe Broker					
29	Service Description Repository					
30	(blank)					
31	Context-based Security & Compliance					
32	DB Anonymizer					
33	Domain Compressed Video Analysis (former Multimedia Analysis)					
34	Secure Storage					
35	Security Monitoring GE					

Thorsten will send the questionnaire template around. AP on UC projects to provide

feedback before end of October (**26th Oct**) (of course, the earlier the nicer :-)

Feedback to be send to: stefano.depanfilis@eng.it, thorsten.sandfuchs@sap.com or jhierro@tid.es

FI-WARE focused workshops and webinars

There will be a virtual workshop and webinars being offered by fi-WARE. Developers of your project are invited to join the webinars.

We would like to offer the chance for close architectural discussion (like with OUTSMART). Now is a good point in time to give mutual feedback and adjust the planning accordingly. These workshops will be held as well virtually and subsequent followup-sessions will be offered for developers in relation to particular scenarios. Separate conversation will be send around.

Third Open Call

Relevant info from UC projects

OUTSMART

- OUTSMART Stakeholder Group Meeting will take place in Birmingham in November. Issues that will be investigated include business modelling, use case evaluation and ideation (new ideas and new service creation)
- There's positive progress with the FIWARE/OUTSMART synchronization process on the service ecosystem track. It relates to Service Description and a marketplace demonstration for the Birmingham Cluster. It has been very useful in understanding where FIWARE is coming from and how the enablers they're developing can be used. We're working toward a marketplace showcase using Birmingham transportation services and hope to have something up and running soon. In a second stage we will adopt that methodology to describe services for other clusters (Santander...).
- However, there hasn't been any feedback from FIWARE on the platform access request ticket?

FINSENY

In the last FINSENY General Meeting on 8/9.10. in Dublin we discussed and planned the steps for the next 6 months in the project:

- Final architecture specification for our 5 scenarios will be worked out and aligned until March 2013
- Furthermore, special focus in the next 6 months will be on standardization, regulation and business models/market trends
- FINSENY discussed FI-WARE architecture descriptions and testbed to collect

	<p>feedback for FI-WARE partners</p> <p>Kolja sent FINSENY feedback on FI-WARE Testbed Questionnaire on 15.10. to AB mailing list</p>
	AOB

4. Annexes

Slides and other supporting materials are available on the FI-PPP portal under the Architecture Board section (AB repository, <http://www.fi-ppp.eu/intranet/>)

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