

1. Meeting Information

Name of the meeting:	FI-WARE KIARA Weekly Call
Date/Time of the Meeting:	August, 22th July, 13:00-14:00 CET
Inviting person:	
Minute taker:	All
Place of the meeting:	Google Hangout
Connection details (if required):	
Link to this Document:	https://docs.google.com/document/d/1BeB4yRpgF-eVXRpxJtbWfbGsVO8MmIAcTG3AWU_hKXY/edit
Version:	1.0
Previous Minutes:	https://drive.google.com/folderview?id=0B-ieh_fs3EUxY2F1a1d4YTBOOUU&usp=sharing https://dokuwiki.toolbox.switch.ch/kiara/minutes

2. Attendees

Name	Company / Organization	Availability
Christof Marti	ZHAW	yes
Philipp Slusallek	DFKI	Apologies
Jaime Martin Losa	eProsimia	yes
Andreas Nonnengart	CISPA	yes
Dmitri Rubinstein	DFKI	
Philipp Aeschlimann	ZHAW	yes
Sandro Brunner	ZHAW	yes
Ricardo Gonzalez	eProsimia	
Ruben Rubio	eProsimia	
Rafael Lara Alvarez	eProsimia	
Gonzalo Rodriguez Canosa	eProsimia	
Stefan Denne	CISPA	Apologies
Werner Stephan	CISPA	Apologies
Sergiy Byelozyorov	Uni Saarland / Max Planck Institute	Apologies
Oliver Keller	DFKI	Apologies
Thomas Michael Bohnert	ZHAW	Apologies

3. Objective of the meeting

4. Topics discussed and Agreements

Tentative Agenda:

Id	Topic
0	<p>Agenda</p> <ol style="list-style-type: none">1. FI-Ware Catalogue2. Availability in Testbed / FI-Lab3. eLearning content4. Backlog5. F2F wrapup6. Status roundtable
1	<p>Catalogue Entry</p> <p>WP13-Catalogue-Dashboard: https://docs.google.com/spreadsheets/ccc?key=0Auieh_fs3EUxdFVvY19ab1IFRDRUaTBrUXlpYzBVRiE&usp=docslist_api#gid=26</p> <p>See topic 3 in this weeks MiWi meeting: https://docs.google.com/document/d/1zmiivRQLgbASrh1ne6PZaSwZy7ChwTQecwtskHOVVAY/edit</p> <p>GEi naming?: proposal</p> <ul style="list-style-type: none">- Middleware KIARA- Middleware RPC-DDS- Middleware RPC-REST- Middleware Fastbuffers <p>We will then add these links to the open spec pages.</p> <p>Terms & Conditions: Copy the first two („Experimentation/testing within the scope of FI-PPP“, „FI-LAB (Open Innovation Lab)“) from the given example pages and add the „External Availability“ (outside of FI-PPP, FI-LAB) Terms and conditions. For GPL and AGPL we also have to add the following paragraph:</p> <p><i>“Please note that software derived as a result of modifying the source code of <product name> software in order to fix a bug or incorporate enhancements is considered a derivative work of the product. Software that merely uses or aggregates (i.e. links to) an otherwise unmodified version of existing software is not considered a derivative work.”</i></p> <p>Other questions?</p> <p>APs:</p> <ul style="list-style-type: none">- [Christof, today complete] Middleware KIARA part.- [Jaime, ?] Complete Eprosimas parts. <p>=== Relevant content from previous meetings === --- 27.06.2014 --- Idea is to copy the Catalogue content of the each entry to a gdoc page and link it from</p>

	<p>the dashboard, because it is not possible to view other catalogue entries as long they are not approved.</p> <p>For KIARA I propose to have a catalogue-entry per component.</p> <ul style="list-style-type: none"> • KIARA integrated • RPC over DDS • RPC over REST • FastBuffers <p>Jaimie is createing the Eprosima entries. Christof is creating the Integrated entry</p> <p>=== Relevant content from previous meetings === --- 27.06.2014 --- Account is approved. Christof will create a first draft for the entry.</p> <p>Do we have a unified licence and availability or is it different for each component?</p> <p>--- 11.04.2014 --- We need to create entries in the catalogue: http://catalogue.fi-ware.org/enablers</p> <p>Should be done in parallel to the packaging and deployment in testbed. Process and verification takes some time.</p> <p>Good example (to see what info we need to provide): http://catalogue.fi-ware.org/enablers/publishsubscribe-context-broker-orion-context-broker</p> <p>Instructions are here: http://forge.fi-ware.org/plugins/mediawiki/wiki/fiware/index.php/Working_with_the_FI-WARE_catalogue</p> <p>I (Christof) already registered to get edit rights to create entries.</p> <p>Open Points:</p> <ul style="list-style-type: none"> • One entry for all components or separate entries? Normally every GEi has one entry, but it also has one Guide, one install package, ... (Have to check with Miguel & Stefano if it is possible to have multiple entries) • Who will prepare the content for the entries. <ul style="list-style-type: none"> ○ Integrated Version: Dimitri? ○ RPC over DDS: Jaime? ○ RPC over REST: Jaime? ○ FastBuffers: Jaime? <p>AP: Assigned person until May 9th. (2 weeks): Create a Google docs document per component containing the sections required by the catalog. Check the example & explanations on the how-to page.</p>
2	<p>Availability in Testbed / FI-Lab</p> <p>Packaging</p>

WP13 Status Dashboard:

https://docs.google.com/spreadsheet/ccc?key=0Auieh_fs3EUxdFVvY19ab1IFRDRUaTBrUXIpYzBVRIE&usp=doclist_api#gid=25

See topic 4 in this weeks MiWi meeting:

<https://docs.google.com/document/d/1zmiivRQLgbASrh1ne6PZaSwZy7ChwTQecwtskHOVVAY/edit>

APs:

Demo Application

Status?

=== Relevant content from previous meetings ===

--- 11.07.2014 ---

GEi Installation Verification

ZIP-File containing current version of reports:

https://forge.fi-ware.org/docman/view.php/36/4437/I10.2_Installation_and_Test_MiWi-20140704.zip

Please check your report for feedback and try to fix the Installation Manual (directly in the public wiki). Contact the reviewer directly on further questions. Please send a short notice, when done.

Packaging

Packaging is about providing the GEi in an easy way to users. So they do not have to install the GEi manually. 2 ways:

- VM image (which can be copied): easy to package, but not very flexible and useful for the middleware.
- Create Chef-recipes/blueprints (for automatic installation): Can be deployed on an individual VM in combination with other GEis

Goal is to have as many GEis of WP13 available as recipes.

WP13 Status Dashboard:

https://docs.google.com/spreadsheet/ccc?key=0Auieh_fs3EUxdFVvY19ab1IFRDRUaTBrUXIpYzBVRIE&usp=doclist_api#gid=25

All GEis should be available on FI-Lab as soon as possible. One of the main goals for July!

1. Complete the Implementation Cockpit (see below).
2. Second we need the GEIs installed on VMs in the testbed.
3. Third we need automated installation recipes to install the GEIs in FI-Lab
http://forge.fi-ware.org/plugins/mediawiki/wiki/fiware/index.php/How_to_create_recipes_for_the_GEs

Idea is to collect the different recipes (similar to the Catalogue entries) and link them from the above dashboard.

Demo Application

Jaime is talks to Philipp about possible demos and comes up with some ideas after his vacation next week.

Status, news?

Gonzallo compiled and installed eprosima components on a VM in the testbed and is running the tests.

Christof will start discussion on Demo application by email.

=== Relevant content from previous meetings ===

--- 23.05.2014 ---

Access to testbed is working. Creation of VMs is working. No Fedora Images available, but CentOS.

Open APs:

- [Definition of Demo application \[Jaime, Philipp\]](#): date?
- [Implementation of demo application in testbed \[?\]](#): goal End of June?
-

--- 18.04.2014 ---

I still got no account for the testbed. (OK. got it 10 mins before meeting)

Gonzalo Rodriguez seems to have more success :).

Status?

We should request a common Project-Name: KIARA

Christof will request a common project KIARA.

AP: Come up with ideas how to demo of the components next Friday

- Philipp, Dmitri & Thorsten about Integrated Kiara
- Gonzalo about RPC over DDS, possibly RPC over REST

--- 11.04.2014 ---

Relevant info the get Access to the Testbed is here:

https://forge.fi-ware.org/plugins/mediawiki/wiki/testbed/index.php/Testbed_V2_Operation_Cockpit

Contact for questions and requests is: Henar Muñoz <henar@tid.es> or (JOSE

	<p>IGNACIO CARRETERO GUARDE <jicg@tid.es></p> <p>First you have to contact them to get an account for: http://130.206.80.61/</p> <p>--- 28.03.2014 ---</p> <p>Gonzalo (eprossima) has created the description for the KIARA VM in testbed: https://forge.fi-ware.org/plugins/mediawiki/wiki/testbed/index.php/KIARA</p> <p>I forwarded it to the testbed team. We now have to wait until the VM is set up.</p> <p>Join WP10 weekly meeting on Tue morning.</p> <p>--- 14.03.2014 ---</p> <p>Sent basic info about creating and setting up a VM to Jaime/Philipp.</p> <p>Missed to do followup this week. Status?</p> <p>I can help in the process requesting a VM. But can we define somebody responsible defining, organizing and setting up the demos?</p>
<p>3</p>	<p>eLearning content</p> <p>I created some initial elearning Guidelines:</p> <p>https://docs.google.com/document/d/1aTTz-FngMCbFtJfazgTmQacYrzsJgSX-ddifwq3PKE</p> <p>AP: Create content for all components. Easy to transfer PowerPoint slides using the SCORM packager. WP13 examples see: http://edu.fi-ware.org/course/category.php?id=12</p> <p>=== Relevant content from previous meetings ===</p> <p>--- 11.04.2014 ---</p> <p>We should also start to think about eLearning content: http://edu.fi-ware.org/</p> <p>Instructions are here: https://forge.fi-ware.org/plugins/mediawiki/wiki/fiware/index.php/How_to_create_a_SCORM_course</p> <p>OpenPoints:</p> <ul style="list-style-type: none"> • Looking for (eLearning) Responsible to organize the creation of elearning content? Volunteers? All should contribute parts! • What courses to offer? • Define content? • prepare material • setup course.

4	<p>Backlog</p> <p>AP: Create entries for packaging and elearning, ...</p> <p>Patterns for Backlog Items: https://forge.fi-ware.org/plugins/mediawiki/wiki/fi-ware-private/index.php/Backlog_items_patterns#Patterns_in_use</p> <p>General Naming Rules for Backlog entries: http://forge.fi-ware.org/plugins/mediawiki/wiki/fiware/index.php/How_to_assign_identifiers_to_FI-WARE_Backlog_entries_(convention_to_follow)</p>
5	<p>KIARA f2f wrapup</p> <p>Minutes are here: https://docs.google.com/document/d/1-5Xxl1Wzp7HqHJL-cRuoUaGNEOIFbNHqGTAlw5Q7Vw/edit#</p> <p>Defined Action Points:</p> <ul style="list-style-type: none"> • Define shortlist of potential GEIs to implement KIARA and approach GEi owners [PhilippS, Jaime, Christof]: End of May <ul style="list-style-type: none"> ◦ Philipp: GEi (CEP, Pub/Sub Context-Broker), UCP (Fitman, FI-Content) ◦ Jaime: UCP (Finesce) ◦ Christof: GEi (IOT-Gateway Adapter) Phase3-Accelerators: wait until we know official plans and contacts • Analyze thrift network code and find out why it's faster than KIARA ortecdr (not serialization-wise), Mathias shall load it into the OpenGrok instance. [ZHAW: PhilippA, Mathias, Sandro]: End of June • (done) eProsimas has to release code publicly (LGPLv3) [EPROS: Jaime, Riccardo]: May https://github.com/eProsimas/ • eProsimas to agree on a common protocol with DFKI Binary protocol based on CDR (RPC over TCP) compatible with Integrated version? Meeting next week. [EPROS/DFKI: Dmitry/Riccardo/Gonzalo]: deadline to be defined in the meeting. • Integrate Nego-Capabilities/Requirements from DFKI into ZHAW-Negotiation and come up with common negotiation dictionary definition / specification (define semantics of each possible group / all layers) [ZHAW,DFKI: PhilippA, Dmitri]: June 12th? • Define demo application (3D-RTPS Transport Demo) See also Topic 4 [Jaime, Philipp]: tbd.
6	<p>Status roundtable <i>(please fill in your current status yourself)</i></p> <p>DFKI</p> <ul style="list-style-type: none"> • Working on a Java version of KIARA <ul style="list-style-type: none"> ◦ First version of KIARA/Java is done

	<ul style="list-style-type: none"> ○ Supported features: <ul style="list-style-type: none"> ■ Transports: HTTP 1.1, TCP Block Transport ■ Protocols: JSON RPC 2.0, JavaObjectStream ■ JSON RPC 2.0 is compatible with KIARA C/C++ ■ Synchronous and asynchronous API ○ Working on universal data binding and code generation <p>eProsima</p> <ul style="list-style-type: none"> • Releasing the Testing Framework for our packages (R3.3) • TestBed VM - Finished • Java layer for RPC over DDS • eRTPS shapes demo <p>CISPA</p> <ul style="list-style-type: none"> • Implementation finished and integrated • Writing final documentation <p>ZHAW</p> <ul style="list-style-type: none"> • Analyzing thrift network code <ul style="list-style-type: none"> ○ Find out which parameters are responsible for good networking results (At the moment we think it may be related to set socket-options) • Test for KIARA Stream oriented modifications • Testbed for KIARA SDN showcase needs modifications regarding OVS
X	<p>AOB</p> <ul style="list-style-type: none"> •

6. Summary of action points

(Actions points of this meeting are embedded in the “discussion topics” within the previous section above.)

Id	Action point	Responsible	Due
AP-1			
AP-2			
AP-3			
AP-4			

7. Reference documentation

This minutes will be uploaded to the KIARA Admin Repository on <https://dornbirn.zhaw.ch/kiara>.