

FIWARE TSC meeting minutes

Meeting Information

Date/Time of the Meeting:	February 24, 2020. 10:30-12:30 CEST
Name of the meeting:	FIWARE Technical Steering Committee (TSC) meeting
Venue/bridge info:	GoToMeeting: https://global.gotomeeting.com/join/296239285
Version	1.0

Attendees

Name	Kind of seat	(Y/N)
FIWARE TSC Members:		
Clara Pezuela	Atos (Platinum member) representative	Y
Laura Pucci	Engineering (Platinum member) representative	Y
Stefan Gessler	NEC (Platinum member) representative	Y
Marcos Reyes	Telefónica (Platinum member) representative	-
Fermín Galán	Core chapter	-
Guiomar Tuñón	Context Processing chapter	Y
Tejinder Kaur	Context Processing chapter	Y
Davide Zerbetto	Visualization Chapter	Y
Álvaro Arranz	Visualization Chapter	Y
Gabriele De Luca	Interface to IoT and other systems	-
Jagatjot Singh	Interface to IoT and other systems	Y

Jaime Martin-Losa	Interface with Robotic systems	-
Borja Outerelo	Interface with Robotic systems	-
Álvaro Alonso	Security and API Management	Y
Francisco de la Vega	Publication and Monetization	Y
Jason Fox	FIWARE Tutorials	Y
Kazuhito Suda	FIWARE Tutorials	Y
Fernando López	FIWARE Lab	Y
Alfonso Pietropaolo	FIWARE Lab	Y
Pasquale Vitale	QA Lab	Y
Jose Ignacio Carretero	QA Lab	Y
Miguel Jiménez	Remarkable individual	Y
Martin Bauer	Remarkable individual	Y
Federico M. Facca	Remarkable individual	-
Joaquín Salvachua	Remarkable individual	Y
Davide Dalle Carbonare	Remarkable individual	Y
Juanjo Hierro	Remarkable individual	-
Stefano de Panfilis	Remarkable individual	Y
Alberto Abella	FIWARE foundation	-
Other members of the FIWARE Community present at the meeting		
Roberto Castillo	Atos - IoT Agent LoRa	-
Bin Cheng	FogFlow GE Representative	-
Tomas Aliaga	Individual - Martel Innovate	-
Andrea	Individual - Martel Innovate	-
Gernot Boege	FIWARE Foundation	-

Germán Molina	HOPU (Gold Member)	-
Ken Zangelin	FIWARE Foundation	-
Parwinder Singh	NEC (FIWARE Community Support)	-
Felipe Roca	HOPU	-
Ilari Mikkonen	APIInf	-
Angelo Marguglio	ENGINEERING	-
Francisco Melendez	FIWARE Foundation	-
Alexander Wilner	Fraunhofer FOKUS	-
Andres Muñoz	UPM	-
Sonsoles López Pernas	UPM	-
Martino Maggio	Engineering - GE Owner (Idra)	-
Marco Cortella	Engineering - Knowage	-
Gabriele Cerfoglio	MARTEL	-
Har Preet Singh	FIWARE Foundation	Y
Benjamin Hebgen	NEC - Scorpio	-
Francesco Stefanelli	Engineering	Y
Marco Balestri	Engineering	-

Proposed agenda topics

Following is a list of proposed agenda topics to be covered during the meeting:

- Follow-up on progress of components
- Status of Roadmaps on GitHub
- FIWARE Summit
- Relevant recent and upcoming events
- Reminder on agenda of topics to be followed up in upcoming FIWARE TSCs
- AOB

Addressed topics

Follow-up on components

Please upload presentations to the following [shared folder](#).

Idra

Has been a fairly quiet development period since Berlin - some bug fixing

Idra is continuing to be promoted as a meta-catalogue for data, and has been accepted as a common Open Source software component for public administration in Italy.

AP: Martino to share info with the FIWARE marketing team so we can publicise this appropriately.

Next steps include Wirecloud - Idra integration ideas and creation of NGSI-LD context provider endpoints in the medium term. IDRA which to kick-off the process for progressing on to full enabler membership

It was agreed within the meeting that Idra has demonstrated potential within the FIWARE ecosystem.

AP: Jason to send a list requirements which have not yet been fulfilled

Discussion occurred over the positioning of IDRA with regards to NGSI-LD regarding the fulfillment of the NGSI-LD context provider role.

AP: Jason to send more information to Martino about the forthcoming incomplete LD subscription/registration tutorial to see how IDRA could offer such an interface.

BAE and Marketplace

https://docs.google.com/presentation/d/1UhztldpchK4mi-cLL160t5C2dSU7OI8qzBD4_zoASY4/edit?usp=sharing

Many small but non-interconnected updates have been completed or are in progress:

- Support to Open Offerings

- Integration with IOTA Tangle
- New GUI
- New Asset Type “Reference Data” for Code List and Data Models
- Support non-profit environments (RS Model 0)
- Migration of dependencies: (Python 3.6, Node 10) (Ongoing)
- Update of TMF APIs v14.5 -> v19.0 (Ongoing)

AP: Given that a series of small, useful but unconnected updates have been occurring, FIWARE should publicise this (once documentation is updated). Francisco should liaise with the marketing team in FIWARE so we can drip feed this information as a series of announcements.

Documentation updates in progress but not fully completed - will be done as part of the release activities.

Step-by-Step tutorial has still not been created and should be scheduled as a regular development activity.

Support to NGSI-LD (NGSI-LD Query asset) is further down the roadmap.

Status of Roadmaps on GitHub

Status? Let's review starting from snapshot during last TSC:

- cygnus - UPDATED RECENTLY
 - draco - UPDATED RECENTLY
 - orion - last updated 12 months ago - AP on Telefónica to provide answer for next TSC
 - orion-ld - UPDATED RECENTLY
 - quantum-leap - UPDATED RECENTLY
 - scorpio - UPDATED
 - sth-comet - last updated 12 months ago - AP on Telefónica to provide answer for next TSC
 - apinf - last updated 12 months ago - to be asked to Chandra
 - Business-API-Ecosystem - UPDATED
 - FIWARE-CKAN-Extensions -UPDATED
 - Idas - under update - will be updated soon - should be ready for the next TSC.
 - Idra - will update this week.
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- iotagent-LoRaWAN - last updated 12 months ago - Clara will ask - next week there will be a call
 - iotagent-json - last updated 12 months ago - AP on Telefónica to provide answer for next

TSC

- iotagent-lightweightM2M - Not Updated in 12 months - AP on Telefónica to provide answer for next TSC
 - iotagent-node-lib - Not Updated in 12 months - AP on Telefónica to provide answer for next TSC
 - iotagent-ultralight - Not Updated in 12 months - AP on Telefónica to provide answer for next TSC
 - iotagent-sigfox - Not Updated in 12 months - AP on Telefónica to provide answer for next TSC
 - iotagent-opcua - UPDATED RECENTLY
 - OpenMTC - MISSING - Jason to send an email copying Juanjo
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- cosmos-flink - UPDATED RECENTLY
 - cosmos-spark - UPDATED RECENTLY
 - fogflow - UPDATED
 - knowage - [UPDATED](#)
 - kurento - UPDATED RECENTLY
 - open-vidu - still MISSING
 - perseo - last updated 12 months ago - AP on Telefónica to provide answer for next TSC
 - wirecloud - UPDATED
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- Fast-RTPS - updated 6 months ago
 - Micro-XRCE-DDS - MISSING - Juanjo to ask Francisco to chase eProxima on this respect
 - firos - last updated 12 months ago - Juanjo to send mail to Fraunhofer (Francisco to chase them as well).
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- authzforce - last updated 12 months ago - Joaquin reports that they are basically in bug fixing mode
 - keyrock - UPDATED RECENTLY
 - wilma - UPDATED RECENTLY
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- domibus - MISSING - need to check in general what the situation is. Jason raised they are still on GitLab. Also license should be clarified.

Background info:

Many Roadmap files on GitHub have still not been updated for 2020 - this was the state as per last TSC. GE owners have to amend their roadmap to reflect current and future developments.

Bringing a statement when support to NGSI-LD will be brought would be nice.

FIWARE Summit

A working group will be created to work on agenda of technical tracks:

- Developer track: should work as a bootcamp and last 23-24, followed by expert certification exams on the 25th
- Developer's primer on 22?
- Disruptive Future sessions:
 - Blockchain and Distributed Ledger Technologies
 - AI
 - Edge Computing
 - Robotics
 - Data Economy
 - Data Sovereignty (depending on discussion with IDSA)

Those who want to get involved in design of the agenda please send mail to Juanjo, cc'ing Jason, subject "FIWARE Summit Tech tracks" specifying what session they wish to collaborate in. We will add an item briefing on progress of FIWARE Summit Tech tracks in upcoming TSCs.

Background info:

As an indication of context, the schedule from the 3 day Malaga bootcamp in December can be found here: <https://fiware.zone/bootcamp/> - we need to decide what to drop if we are only running two days of developer/experts track.

Some slide decks from the bootcamp can be found here:

https://drive.google.com/drive/u/0/folders/1LVFkyqSqvkMF1cmxAo_5Z17bLITukJVs

Relevant recent and upcoming events

FIWARE Foundation BoD meeting will take place tomorrow.

Upcoming events (members are welcome to add more entries):

- [European Robotics Forum 2020 \(ERF2020\)](#) on March 3-5 in Málaga. eProxima and FIWARE Foundation will attend. We'll try to evangelize and bring some speakers to the Summit.
- [Hannover-Messe Industry fair](#) on April 20-24 in Hannover. The FIWARE Foundation will be present with an exhibition booth. Organizations willing to participate as exhibitors please contact the FIWARE Foundation.
- [FIWARE Summit](#) the week of June 22 in Málaga. 23-24 will be the main public event but those teams willing to run some meetings please let us know about the need for rooms rest of the week (before and after).

Juanjo will come next TSC with description of overall design of the FIWARE Summit agenda (currently under discussion within the FIWARE Foundation) and first steps towards organization of the technical tracks (developers' track and "Disruptive Future" sessions).

Agenda of topics to be followed up in upcoming FIWARE TSCs

Keep in mind the 8-week standard calendar that applies. Based on content of today's call, you can identify the topics of the next TSC.

Background info:

A [folder](#) for exchange of working documents and minutes regarding the working groups has been created. Important: caretakers of each WG will be in charge of fine-tuning access privileges to their corresponding folder. We should allow anyone on the Internet to be able to find and view.

As per agreement taken in the TSC of June 3, the following 8-week calendar will be followed periodically:

- **Week 1:** Follow-up on progress of Core Context Management components part I (NGSI/NGSI-LD/ContextBroker/Orion/Scorpio/Orion-LD) + roadmap discussion on support of Digital Twin and RAMI 4.0 Asset Administration Shell concepts
- **Week 2:** Follow-up on progress of Core Context Management components part II (Cygnus, Draco, QuantumLeap) + roadmap discussion on blockchain
- **Week 3:** Follow-up on progress of components for the Interface with IoT (IDAS, Open MTC) + roadmap discussion on IoT evolution aspects (interface with WoT, edge computing,)
- **Week 4:** Follow-up on progress of Interface with robotics components (Fast RTPS, Micro XRCE DDS) + roadmap discussion on robotics
- **Week 5:** Follow-up on progress of Context processing components (Kurento, Cosmos, Perseo) + roadmap discussion on AI
- **Week 6:** Follow-up on progress of visualization and analytics (Wirecloud, Knowage), Publication and Monetization components + roadmap discussion on Data Economy support and mapping of IDS Broker concepts
- **Week 7:** Follow-up on progress of Security and API Management components + roadmap discussion on Identity and Data Access/Usage control + mapping of IDS Connector concepts
- **Week 8:** Follow-up on progress of Deployment tools (Mastermind, also Fogflow for distribution between cloud and edge)

A common topic regarding follow-up of any of the components will be that of:

- Evolution to support NGSI-LD
- Compliance with FIWARE Contribution Requirements
- Creation of Tutorials
- Creation of Webinars

Any Other Business

Clara asked about the progress on NGSI-LD support within the IoT Agent Node lib. Jason has a series of in-process PRs on the repo which add basic measures support (which should be sufficient for the LoRaWAN IoT Agent).

AP: Jason to send further NGSI-LD information to Clara Pezuela and Roberto Castillio so they can evaluate the current state of the changes and investigate if the PR would work for them.