

Meeting Information

FIWARE Lab Nodes Technical Meeting

Date/Time of the Meeting:	2016/10/04- 10:00 AM
Inviting person:	Alfonso Pietropaolo
Purpose of the meeting:	Technical meeting for lab management issues
Phone details (if PhC):	Connect at: 1. Please join my meeting. https://global.gotomeeting.com/join/954082694 2. Use your microphone and speakers (VoIP) - a headset is recommended. Or, call in using your telephone. United States: +1 (619) 550-0006 Australia: +61 2 8355 1024 Austria: +43 (0) 7 2088 1403 Belgium: +32 (0) 38 08 1856 Canada: +1 (647) 497-9351 Denmark: +45 (0) 69 91 88 64 Finland: +358 (0) 942 41 5780 France: +33 (0) 182 880 459 Germany: +49 (0) 811 8899 6902 Ireland: +353 (0) 14 845 978 Italy: +39 0 553 98 95 67 Netherlands: +31 (0) 208 080 381 New Zealand: +64 (0) 9 909 7888 Norway: +47 21 03 58 98 Spain: +34 955 32 0845 Sweden: +46 (0) 313 613 557 Switzerland: +41 (0) 435 0167 09 United Kingdom: +44 (0) 20 3535 0610 Access Code: 954-082-694 Audio PIN: Shown after joining the meeting Meeting ID: 954-082-694

Attendees

Please write your name in the table below if you are attending the meeting.

	Node	Attendees Name	Company
1	Budapest	Dániel Csubák	Wigner
2	Crete	Spyros Argyropoulos	TUC
3	Genoa	Giorgio Robino	UNIGE-CNIT-SEEWEB
4	Hannover		Netzlink
5	Lannion	Cristian CMECIU	Imaginlab
6	Messina		UNIME
7	Mexico		INFOTEC
8	PiraeusU	Dimitris Kelaidonis	UPRC
9	Poznan		PSNC
10	Prague		Cesnet

11	Sao Paulo		USP
12	SophiaAntipolis	Philippe MANUEL	Com4Innov - TAS (C4ITAS)
13	Spain	Fernando López	Telefonica
14	SpainTenerife	Ilknur Chulani	Atos
15	Trento	Federico Lenzi	Trentino Network CREATE-NET
16	Vicenza	Mauro Pecetti	Engineering
17	Volos	Ioannis Igoumenos	UTH
18	Wroclaw	Radoslaw Adamkiewicz	PWR-MGM
19	Zurich		ZHAW
20	ZurichS	Simon Leinen	SWITCH
		Attendees Name	Company
#	FIWARE LAB TEAM	Alfonso Pietropaolo	ENGINEERING

#	FIWARE LAB TEAM	Fernando López	TELEFONICA
#	FIWARE LAB TEAM		CREATE-NET
#	FIWARE LAB TEAM		MARTEL
#	FIWARE LAB TEAM	Marco Cipriani	TI

Minutes of meeting

1. Node status

	Node	Status	Updated on
1	Budapest	Budapest2 is green on sanity check. Commercial offer is available.	04/10/2016
		Budapest2 is green on sanity check There are some configuration issues with Budapest3 we have to solve before finalizing the federation.	27/09/2016
		Budapest2 is fully operational, sanity is green. Budapest3 info for sanity will be sent this afternoon after our meeting. There were problems with our storage node, and because of it there were some delays.	20/09/2016

		Commercial node in progress (liberty). Budapest2 sanity history is not shown on the infographics - mail sent. Failed on Sanity Check Node is fully operational. Federation of the new env. Is on going. Node is fully operational. Some issues were experienced with the sanity check of Swift component. However, the service seems working correctly. The issue is under investigation. New OpenStack instance is planned to be federated this week. Node is fully operational. Node is fully operational. Node is fully operational. Node is fully operational. Node is fully operational. Node is fully operational. Failed on Sanity Check (SOLVED) Some API not reachable, but the user's VMs are working. Node is fully operational. Issues with Swift were reported last Friday. The problem has been solved. However, we are now analyzing the logs to figure out what was its root cause.	19/07/2016 12/07/2016 21/06/2016 07/06/2016 31/05/2016 24/05/2016 17/05/2016 10/05/2016 26/04/2016
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		Node is fully operational.	
		Node is fully operational.	19/04/2016
		Node is fully operational.	12/04/2016
		Node is fully operational.	05/04/2016
		About the Jira ticket: we migrated the 5 VMs (Fractals) from PiraeusN.	22/03/2016
		Node is fully operational. We have 1-2 errors on the Sanity Check. The errors are the 'phoneHome' error, that was earlier in the XiFi federation. About the 2 Jira tickets: - 5850: we wait for the answer of the user - 5972: the migration of the instances is finish, and we work on the migration of the volumes.	08/03/2016
		We have some issue on our Node: - 2 blades are unreachable (SOLVED) - the controller has high load, because the Contextbroker, we restarted it (SOLVED) - in neutron log we found some keystone authorization failed (SOLVED)	01/03/2016
		Node is fully operational.	
		Node is fully operational. Object storage performance issue was reported by one of our users that is under investigation.	23/02/2016
			16/02/2016
		Node is fully operational. Support keys have been uploaded and the related ticket	

		has already been closed. Node is fully operational. Some minor issues were reported after the unscheduled maintenance, all of them have been processed and solved. A potential security leak was reported by our audit system: mongodb ports on some VMs were open for the entire Internet, breaking the internal security policy of our institute. We asked the users to limit the IP range from which these ports can be accessed, until then we blocked the access on these ports. Node is fully operational. We had some problem with our cooling system in the new year. After that, we lost one blade node, but now everything works well. Node is fully operational. Everything is green - all the 29/29 tests passed successfully. Preparation of Kilo environment is still ongoing. New FLUA tickets are handled in short notice. Installation of ceilometer has been done. No issue was reported in the last week. (21/12/2015) Performance issue experienced two weeks ago has been solved by restarting neutron node. Migration: • Migration of MyFarm's VMs from Berlin2 is DONE. Issue was reported on Blueprint instantiation: • https://jira.fiware.org/browse/CLD-869	02/02/2016 18/01/2016 12/01/2016 21/12/2015
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		CLOSED • https://jira.fiware.org/browse/CLD-930 ○ CLOSED - SOLVED ○ Some components can be deployed via Blueprint and some of them is not. Strange error... ○ The ticket was CLOSED, and was reported that the issue was solved. However, we still get the same exception!!! ○ It affects the closing of FLUA-1844: https://jira.fiware.org/browse/FLUA-1844	
2	Crete	Node is fully operational. Migration to Kilo completed. Node is fully operational. Finally, succeeded to install Monasca Agent using virtual_env. He have connection with keystone proxy and the FiwareLab portal for the region of Crete. Migration to KILO on going: - New openstack installation using Fuel 7.0, with 1 Controller, 3 Computes + Cinder, Ceilometer, Murano, no swift, no ceph, no HA. Health Checks OK. - Ceilometer, Murano (configuration??) - Ready to change configuration for Keystone proxy connectivity. Changes in our endpoints. Problem with our connection with MD-VPN (Solved). Scheduled Migration to KILO: 10/05/2016	04/10/2016 21/06/2016 07/06/2016

		Problem with Infographic since 28/04/2016: probably a routing problem with MD-VPN	
3	Genoa	Monitoring/Infographic: we are investigating some monasca agent tunings/configs issues: https://jira.fiware.org/browse/LAB-860	04/10/2016
		Node is federated. Monitoring/Infographic: Sanity checks in productions are 'green', maybe a false positive; with new monitoring tool in test, the status detail report a 'yellow' emerged (neutron metadata): we are investigating some monasca agent tunings/configs too: https://jira.fiware.org/browse/LAB-860	27/09/2016
		Federation: done. (closed task: https://jira.fiware.org/browse/LAB-660)	20/09/2016
		Monitoring tools: Installed.	
		Infographic: work in progress (opened task: https://jira.fiware.org/browse/LAB-860)	
		Node now upgraded with new servers. Federation in progress (updating configuration files).	19/07/2016
		Federation in progress & installing batch 2 new nodes.	
		Added new HW; federation process is incoming.	12/07/2016
		Working on system installation with OPS-Deploy / solving HW config issues.	21/06/2016
		Starting system installation with OPS-Deploy	07/06/2016
		Setting-up rack system & hardware.	31/05/2016

			24/05/2016 17/05/2016
4	Hannover	Sanity Check Metadata Agent failing Installation of the new Monitoring System is ongoing (Issues with the Keystone Auth) https://jira.fiware.org/browse/LAB-654 Node is fully operational. Sanity Checks are passing. Monasca-Plugin is installed, but not compatible with Liberty version. Our devs are migrating the plug-in to support Liberty. Federated ---> NO ! IT IS NOT FEDERATED fiware-lab-federation-nodes@lists.fiware.org	19/07/2016 12/07/2016 20/05/2016
5	Lannion	Nodes in Juno and Kilo are fully operational. => Node in Juno: today 04/10/2016, we will put this node in maintenance mode, in order to wait till Friday for the users that didn't succeed to migrate their projects. => Node in Kilo: - Sanity check: OK Migration extension till 07/10/2016 Migration status: 18 projects, 47 VMs - we are planning the migration of the 6 Computes from Lannion2 , in order to increase the capacity of the new Lannion3 node. We will inform our users one week in advance about this maintenance. Kilo node maintenances: - Installation of the new monitoring system: OK - Script for Migration from Juno to Kilo: - Flavor: OK - Quota: OK - Security-group: OK - VM: OK - Volume: OK - Keypair migration: in progress => Help Ticket: None => Questions: About project validity extension, which is the right way to do? Demand to user to open a FLUA ticket?	04/10/2016
6	Messina	Unfortunately the installed chiller is not completely reliable and needs other maintenance works which	28/07/2016

		should be done during August. We will come back at work on August 29th. The chiller is finally installed in our infrastructure but before starting we need to have it certified by a technician in order to verify all the parameters and he should give us a feedback before Friday. Sorry for this delay but it is only a bureaucratic issue now. The broken chiller is being substituted in these days. They started working yesterday and in a couple of days the chiller will be ready.	19/07/2016 12/07/2016
7	Mexico	Node is fully operational. Start migration to Kilo. Pending the creation of public-private key ticket next week.	04/10/2016
8	PiraeusU	Node is fully operational. <u>Sanity Tests</u> - Node status is green. <u>Infographics</u> - Node is up&running - it is visible <u>Jira/Backlog</u> - Tasks in the context of sprint 6.1.1	04/10/2016
9	Poznan	Failed on Sanity Check Some issues with network part - main switch problem. We are working to solve it. Node is fully operational, all tests passed. Infographic look ok.	04-10-2016 20/09/2016
10	Prague		

11	Sao Paulo	Node is fully operational. The deployment of the new monitorization architecture isn't working yet (problem with ceilometer-api service related to mongodb): https://jira.fiware.org/browse/LAB-658. Problems with old monitoring architecture.	04/10/2016
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12	Sophia-Antipolis	New Fi-Core Node SophiaAntipolis2 is fully operational Sanity Tests : Node status is green. Infographics : Node is up&running - it is visible Jira tickets : There are no open FLUA request for our node in jira Our node is ready to start with a commercial offer on 6 compute nodes.	03/10/2016
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13	Spain	Node fully operational. - Resuming the activities to test the migration to Liberty. - Will have to stop one host used for middleware for hardware maintenance.	04/10/2016
14	SpainTenerife	Sanity tests are all ok. Have an issue in Infographics, where incorrect amount of resources are reported. Not sure if this is an issue with the configuration or the implementation. Team investigating. FI-Infographics finally showing values for cores etc. although it seems not all values are retrieved, we need to add more nodes to the monitoring. Some FI-health tests failing intermittently, we are investigating. Monasca monitoring does not work. Compute nodes try to reach the external API and we need to set up nova.conf so it reaches the internal. We resolve the problems so SpainTenerife node are now in green status. This week we start to install the new monitoring tool. We still have Swift and Glance tests failing.(temporarily switched the swift backend to the local one, that's why the tests appear green) We made some progress last week (some test were passing) but it seems they are failing again this morning.	04/10/2016 20/09/2016 18/07/2016 21/06/2016 31/05/2016 24/05/2016

		In parallel Fernando is configuring the central Glance synchronization tools. Our team is investigating an issue related to Glance.	
		Still in the same state. We have had a debug session last week, and it seems everything is correct from our side, but the problem still persists. Will try to schedule another session with Fernando and Alvaro this week.	10/05/2016
		Still have the FI-Health connectivity issue. We will ask Fernando if it's possible to book some time with him to do a deep dive together, as we are not able to trace everything.	26/04/2016
		The connectivity to the federated keystone is still failing. Roberto and Carlos investigating the issue, together with Fernando. They have a call tomorrow morning on this.	19/04/2016
		The connectivity to the federated keystone is still failing. Roberto and Carlos will have a deeper look today.	12/04/2016
		FI-health issue: still debugging, could be due to the node being behind an NAT GPS coordinates: sent by roberto to Fernando this morning	05/04/2016
		Waiting to know the next steps.. - FI-Health/Sanity tests - node added , but Fernando/Alvaro still needs to give privileges to the admin user for the node in IDM - Infographics - once monitoring tools are setup the node will show in infographics	

		automatically - GPS location: Roberto needs to provide to Fernando/Silvio - Mailing list for JIRA: Carlos/roberto needs to provide Waiting for Fernando for the node registration. Sent OpenStack endpoints to Fernando on 25/02/2016. Pending next steps from Fernando for node registration Our team from Tenerife in touch with Fernando to complete the node registration. OpenStack installation completed, currently in the process of: - network configuration for federation and - registration in the Federation. Questions on: https://bscw.fi-xifi.eu/pub/bscw.cgi/d64414/XIFI-D5.2-XIFI_Core_Backbone.pdf Seems to be more requirements here than originally mentioned (for DNS, and for high availability, etc.) Are these mandatory? i.e. (<ip-address>.cloud.fi-xifi.eu)	22/03/2016 08/03/2016 23/02/2016 02/02/2016
15	Trento	Node fully operational. Node fully operational. All tickets have been processed. Next days another compute node will be added in the environment. Activity will be included in current Sprint. Node is fully operational. All tests are green. Almost finishing the installation of new monitoring system.	04/10/2016 20/09/2016 19/07/2016

		Planned to start the verification phase ASAP. Node is fully operational. All tests are green. Status & resource page are OK. Work in progress for the installation of the new monitoring system. WebInterface vers. 2.0 for automatic user data migration in progress.	12/07/2016
		Node is fully operational. All tickets have been closed. 2 compute nodes migrated in the new environment. fiware-lab-help@lists.fiware.org e-mail address for opening a Jira ticket Trento2 node is fully operational. Hardware migration on the new production node (Trento2) is ongoing. All tickets have been processed.	21/06/2016
		Trento2 node is fully operational. Hardware migration on the new production node (Trento2) is ongoing. All tickets have been processed.	07/06/2016
		Trento2 node is fully operational. Hardware migration on the new production node (Trento2) is ongoing. All tickets have been processed.	31/05/2016
		Trento2 node is fully operational. Hardware migration on the new production node (Trento2) is ongoing. All tickets have been processed.	24/05/2016
		Trento2 node is fully operational. Hardware migration on the new production node (Trento2) is ongoing. All tickets have been processed. Put on github the scripts “automatic migration”. Developed the first version of the web interface to permit users to migrate their VMs from a node to	17/05/2016

		another without any support from admin. Tested on : Trento -> Trento2 Automatic Migration Scripts: https://github.com/orgs/TrentoNodeTeam/	
16	Vicenza	Vicenza node is fully operational. Sanity check status is green. There are no open FLUA request for our node in jira. Node is fully operational. All sanity checks are OK. Node is fully operational. All sanity checks are OK. Solved problem when trying to attach a volume onto a VM. Installed new version of the monitoring system. Node is fully operational, all tests passed. Infographic look ok. Still problem to attach a volume onto a VM. Node is operational. All sanity checks are OK. The new monitoring system is up running. Vicenza node is now visible into the infographic map. Still problem to attach a volume onto a VM. Node is operational. All sanity checks are OK. Pablo Rodriguez is working in order to resolve the problems on the new monitoring system. Problem when trying to attach a volume onto a VM. Node is operational. All sanity checks are OK. Still problem on the new monitoring installation. Waiting for news from Pablo Rodriguez. Problem when trying to attach a volume onto a VM.	04/10/2016 27/09/2016 20/09/2016 12/07/2016 21/06/2016 14/06/2016 07/06/2016

17	Volos	The node has migrated to Kilo version and is fully operational. In advance we have installed the new monitoring system as suggested and provided by Fiware Lab community. Nevertheless, we are still facing problems regarding the publication and depiction of the resources on the portal.	4/10/2016
18	Wroclaw	The node has passed all manual tests prepared by Fernando, now we are waiting for next instructions to continue federation process. Our openstack infrastructure is fully operational, as mentioned above we are finishing federation process. The node now is fully prepared and we configure our endpoints in order to communicate with FIWARE Keystone. After finishing suitable endpoint configuration we will provide access to them to end the process of federation. List of endpoints was provided, we are waiting for FIWARE Keystone preparations.	20/09/2016 27/09/2016 04/10/2016
19	Zurich	Zurich2 node is fully operational. Awaiting feedback on issue relating to creating a stack - FIM-14.	04/10/2016
20	ZurichS	Node is fully operational Commercial node open for business Small monitoring issue (duplicate compute nodes) Breakthrough with monitoring: ceilometer-agent-notification had been missing. Now all values are exported, with the exception of those from the Neutron agents. But the test infographic server is down right now. After verification we can hopefully be added to the	04/10/2016 27/09/2016

		production infographic instance. One new user! FLUA-2756. Hopefully the beginning of a new trend... Commercial node: finished our D.2.2.3.1 part (.9) Ongoing work to fix remaining monitoring issues Blog post about virtio-net multi-queue published OSSN-0069—not easy to fix in Kilo Commercial node final preparations Working on our D.2.2.3.1.9 section An issue with RabbitMQ was resolved. How can we get included in infographic? Blog post about basic IPv6 support published	20/09/2016
		Monitoring system installed and running Our account was upgraded, and we can now give users access to our node.	19/07/2016
		Monasca agent: first tests, but runs into Keystone issue, filling up local RabbitMQ queues. Credentials issue was quickly resolved; thanks! FIWARE images are QCOW2, RAW would be better because we store everything in Ceph. Instances get IPv6 addresses, but users cannot open ports for IPv6 using the Web GUI. (LAB-507) Node is operational, Keystone authN/authZ broken, as visible in health monitoring LAB-492	12/07/2016
		We had to change Keystone credentials due to a misunderstanding. Since then, all operations fail. Once this is repaired, will do Ceilometer/Monasca configuration, targeting next week (LAB-493) Working on Ceilometer/Monasca configuration Note sure about JIRA access: multiple personal Forge accounts (preferred by us), or a single shared one?	21/6/2016
		Fernando's manual tests successful Setting up JIRA access	7/6/2016
		CPU upgrade Haswell-EP -> Broadwell-EP Live migration doesn't work — known problem?	31/5/2016
		Actually this works fine! Unless you try to migrate instances that were created before federating...	25/5/2016
		Reworking our Puppet classes to handle the non-standard way of the FIWARE installation (service names, ports). Expecting to start federation this week Received service users/credentials, prepare reconfig. Swift/S3 will be done somewhat later.	17/5/2016
			10/5/2016
			26/4/2016

		2nd round of manual testing -> ask Álvaro for creds 1st round of manual testing -> feedback, rename nets	19/04/2016 11/04/2016 07/04/2016
		End of nodes	

2. FIWARE Lab Karma

https://docs.google.com/spreadsheets/d/1mHnw-2ci0UKNxsR6GxSLG0Sp38jL73iQWV4Jcz9f_J0/edit?pli=1#gid=810991816

3. Report of FIWARE Lab Task Force

- **DELIVERABLE FOR NEW NODES: D.2.2.3.1.<y>.a - Report on FIWARE Lab node performance & commercial plans**

I have delivered all Deliverable. No particular comments, just waiting feedback from the coordination team.

Deadline: Monday 26th

- **Effort on Lev1 Help Desk:** Training Session to be scheduled.
- Write below your availability for 1 hour session during this week:

SpainTenerife:

SophiaAntipolis: Wednesday 16-18h, Thursday 16-18h, Friday 10-12h

Hannover:

4. Planning Sprint 6.1.1

Please, start opening/cloning all tickets for the Month of October (sprint 6.1.1)

5. Ticket status

Lab Issues:

<http://backlog.fiware.org/lab/helpdesk>

NODE	TICKET	COMMENTS

Backlog for agile workitems:

<http://backlog.fiware.org/lab/backlog>

6. Other questions

6.1 OpenStack migration plan:

<https://docs.google.com/document/d/1zmFAB4cFW8uYZ00wwyexH5tW0idw-y5c2IDjJlh3W8/edit?usp=sharing>

Please update the table if you are planning/running/completed a migration!

Action Points

Number	Description	Owner	Deadline	Status
#1				
#2				
#3				
#4				