-Meeting Information

FIWARE Lab Nodes Technical Meeting

Date/Time of the Meeting:	**2016/10/18- 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	Giovanni Coppa	Netzlink
5	Lannion	Cristian Cmeciu	Imaginlab
6	Messina		UNIME
7	Mexico		INFOTEC
8	PiraeusU	Dimitris Kelaidonis	UPRC
9	Poznan	Wojbor Bogacki	PSNC
10	~~Prague~~		~~Cesnet~~

		Attendees Name	Company
11	Sao Paulo		USP
12	SophiaAntipolis	Philippe MANUEL	Com4Innov - TAS (C4ITAS)
13	Spain	Fernando Lopez	Telefonica
14	SpainTenerife	Ilknur Chulani	Atos
15	Trento	Federico Lenzi	CREATE-NET
16	Vicenza	Mauro Pecetti	Engineering
17	Volos		UTH
18	Wroclaw		PWR-MGM
19	Zurich	Bruno Grazioli	ZHAW
20	ZurichS	—	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. We are correcting the deliverable right now, it will be finished today. Commercial site is corrected according to the comments.	18/10/2016
		Budapest2 is green on sanity check.	11/10/2016
		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. Commercial node in progress (liberty). Budapest2 sanity history is not shown on the infographics - mail sent.	20/09/2016
			Failed on Sanity Check	19/07/2016
			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.	12/07/2016
			Node is fully operational.	21/06/2016
			Node is fully operational.	07/06/2016
			Node is fully operational.	31/05/2016
			Node is fully operational.	24/05/2016
			Node is fully operational.	17/05/2016
			Failed on Sanity Check (SOLVED) Some API not reachable, but the user's VMs are working.	10/05/2016

		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.	26/04/2016
		Node is fully operational.	19/04/2016
		Node is fully operational.	12/04/2016
		Node is fully operational.	05/04/2016
		Node is fully operational. 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.	23/02/2016

		Node is fully operational. Object storage performance issue was reported by one of our users that is under investigation.	16/02/2016
		Node is fully operational. Support keys have been uploaded and the related ticket has already been closed.	02/02/2016
		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.	18/01/2016
		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.	12/01/2016
		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.	21/12/2015

		Migration:
		  ● Migration of MyFarm's VMs from Berlin2 is DONE.
		
		Issue was reported on Blueprint instantiation:
		  ● https://jira.fiware.org/browse/CLD-869 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??)
			18/10/2016
			
			21/06/2016
			
			07/06/2016

3		- 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 Problem with Infographic since 28/04/2016: probably a routing problem with MD-VPN	
	Genoa	No news. Open tasks: HW installation: https://jira.fiware.org/browse/LAB-860 Problems with Infographic/Monitoring Tool: https://jira.fiware.org/browse/LAB-957 https://jira.fiware.org/browse/LAB-964	18/10/2016
		LOT3 HW update: 1 Storage Node + 4 compute node servers arrived today. Asap Installation and deploy. https://jira.fiware.org/browse/LAB-964 Monitoring/Infographic: work in progress verifications on some VM measurements lack warnings. https://jira.fiware.org/browse/LAB-860	10/10/2016
		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 monitorig 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) Monitoring tools: Installed. Infographic: work in progress (opened task: https://jira.fiware.org/browse/LAB-860)	20/09/2016
		Node now upgraded with new servers. Federation in progress (updating configuration files).	19/07/2016
		Federation in progress & installing batch 2 new nodes.	12/07/2016
		Added new HW; federation process is incoming.	21/06/2016
		Working on system installation with OPS-Deploy / solving HW config issues.	07/06/2016
		Starting system installation with OPS-Deploy	31/05/2016
		Setting-up rack system & hardware.	24/05/2016 17/05/2016
4	Hannover	Sanity Check failed (2 Tests) Troubleshooting some openvswitch issues with the shared network.	11/10/2016
		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	19/07/2016
		Node is fully operational. Sanity Checks are passing.	12/07/2016
		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**	20/05/2016

		fiware-lab-federation-nodes@lists.fiware.org	
5	Lannion	**Lannion Node is fully operational.** **=> Lannion3 Node in Kilo:** ● Sanity checks: OK Node maintenance: ● Successful HW migration 17/10/2016 (6 Compute servers). Still to configure, test and new monitoring install. ● Monitoring issue related to certificate problem. In investigation with Pablo Rodriguez. **=> Help Ticket:** none **=> Questions:** none	18/10/2016
6	Messina	Unfortunately the installed chiller is not completely reliable and needs other maintenance works which 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.	28/07/2016 19/07/2016 12/07/2016
7	Mexico	Node is fully operational. Almost finished the installation of new Monitoring architecture	18/10/2016
8	PiraeusU	Node fully operational. **Sanity Tests** - No particular issue **Inforgraphics**	18/10/2016

		- Node is up&running - it is visible **Jira/Backlog** - Tasks in the context of sprint 6.1.1	
9	Poznan	Node is fully operational, all tests passed. Infographic look ok. Karma Points are 'green' Failed on Sanity Check We are still working to solve network problem with main switch 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.	17-10-2016 11-10-2016 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

12	Sophia-Antipolis	**Node** SophiaAntipolis2 is fully operational. Sanity check and infographics status are green	18/10/2016

13	Spain	Node fully operational. - Resuming the activities to test the migration to Liberty.	11/10/2016
14	SpainTenerife	Node fully operational. Fi-health tests all pass.	18/10/2016
		Node fully operational. Monitoring issue is fixed, now the correct hdd values are reported. But we are not able to see the sanity test results.	11/10/2016
		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.	04/10/2016
		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.	20/09/2016
		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.	18/07/2016
		We resolve the problems so SpainTenerife node are now in green status. This week we start to install the new monitoring tool.	21/06/2016

		We still have Swift and Glance tests failing.(temporarily switched the swift backend to the local one, that's why the tests appear green)	31/05/2016
		We made some progress last week (some test were passing) but it seems they are failing again this morning. In parallel Fernando is configuring the central Glance synchronization tools. Our team is investigating an issue related to Glance.	24/05/2016
		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	05/04/2016

		morning 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 Teneriffe 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	Some Sanity Checks are still failing. Troubleshooting the problem.	18/10/2016
		Some Sanity Checks are failing (2-4 checks, randomly). Troubleshooting is in progress.	11/10/2016
		Node fully operational.	04/10/2016
		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.	20/09/2016
		Node is fully operational. All tests are green. Almost finishing the installation of new monitoring system. Planned to start the verification phase ASAP.	19/07/2016
		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**	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 another without any support from admin. Tested on : Trento -> Trento2 Automatic Migration Scripts: https://github.com/orgs/TrentoNodeTeam/	17/05/2016
16	Vicenza	Vicenza node is fully operational. Sanity check status is green. There are no open FLUA request for our node in jira.	18/10/2016
		Node is fully operational. All sanity checks are OK.	11/10/2016
		Vicenza node is fully operational. Sanity check status is green. There are no open FLUA request for our node in jira.	04/10/2016
		Node is fully operational. All sanity checks are OK.	27/09/2016

		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.	20/09/2016
		Node is fully operational, all tests passed. Infographic look ok. Still problem to attach a volume onto a VM.	12/07/2016
		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.	21/06/2016
		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.	14/06/2016
		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.	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.	11/10/2016
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	20/09/2016

		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.	27/09/2016
		List of endpoints was provided, we are waiting for FIWARE Keystone preparations.	04/10/2016
		Configuring Wroclaw Node endpoints to communicate with FIWARE Keystone	11/10/2016
		Still configuring Wroclaw Node endpoints to communicate with FIWARE Keystone	18/10/2016
19	Zurich	Zurich2 node is fully operational. Solved issue with the image in 'saving' status as well as duplicated images in glance. Fernando updated some base_images had an outdated checksum. Had a disk failure in one of the compute nodes last week, the disk was replaced.	18/10/2016
20	ZurichS	Node is fully operational Ceph cluster issues traced to apparent IPv6 Neighbor Discovery problem with Linux 4.4 kernel. Replaced one of two SSDs in each storage node. General Ceph cluster issues last week.	18/10/2016
		Will start replacing worn-out journal SSDs this week. Commercial node open for business	11/10/2016
		Small monitoring issue (duplicate compute nodes) Breakthrough with monitoring:	04/10/2016
		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 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)	27/09/2016

		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 Monitoring system installed and running	20/09/2016
		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.	12/07/2016
		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 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? Fernando's manual tests successful	21/6/2016 7/6/2016
		Setting up JIRA access	31/5/2016
		CPU upgrade Haswell-EP -> Broadwell-EP	25/5/2016
		~~Live migration doesn't work—known problem?~~ Actually this works fine! Unless you try to migrate instances that were created before federating...	17/5/2016
		Reworking our Puppet classes to handle the non-standard way of the FIWARE installation (service names, ports). Expecting to start federation this week	10/5/2016
		Received service users/credentials, prepare reconfig. Swift/S3 will be done somewhat later. 2nd round of manual testing -> ask Álvaro for creds 1st round of manual testing -> feedback, rename nets	26/4/2016 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=99860201

3. Report of FIWARE Lab Task Force

- **Effort on Lev1 Help Desk:** Training Session to be scheduled for Hannover only.

4. ~~Closing Sprint 6.1.1~~

Next week we will start closing workitem for the current sprint

5. Ticket status

Lab Issues:

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

NODE	TICKET	COMMENTS
Spain	HELP-7478	
Poznan	HELP-7482 HELP-7486	These two Tickets is under investigation.

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-y5c2lDjJiIh3W8/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				