



Meeting Information

FIWARE Lab Nodes Management - 2016/06/27

TM + Closing 5.3.3

Date/Time of the Meeting:	2016/06/27- 10:00 AM
Inviting person:	Alfonso Pietropaolo
Purpose of the meeting:	TM + Closing 5.3.3
Phone details (if PhC):	Connect at: 1. Please join my meeting. https://global.gotomeeting.com/join/954082694
	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	Daniel Csubák	Wigner
2	Crete	Spyros Argyropoulos	TUC
3	Lannion	Cristian, Riwal	lmaginlab
4	Mexico		INFOTEC
5	PiraeusU		UPRC
6	Poznan	Wojbor Bogacki	PSNC
7	Prague		
8	Sao Paulo		USP
9	SophiaAntipolis	Philippe MANUEL, LEFEUVRE Sébastien	Com4Innov - TAS (C4ITAS)
10	Spain	Fernando López	Telefonica
11	Trento	Genci Tallabaci	Trentino Network
12	Volos		UTH
13	Zurich	Bruno Grazioli	ZHAW
14	Atos-Test		Atos
15	SpainTenerife (Atos-Teide)	Ilknur Chulani, Roberto Gil Munoz	Atos





16	Vicenza	Mauro Pecetti	Engineering
17	"Orange"		Orange
18	Hannover	Giovanni Coppa, Tobias Loeb, Joshua Bark	Netzlink
19	Genova, Italia		UNIGE-CNIT-SEEW EB
20	ZurichS	Simon Leinen	Switch
21	Wroclaw		PWR-MGM
22	Messina		UNIME
	FIWARE LAB TEAM	Silvio	CREATE-NET
	FIWARE LAB TEAM	Marco Cipriani	ТІ
	FIWARE LAB TEAM	Alfonso Pietropaolo	Engineering
	FIWARE LAB TEAM	Fernando López	Telefonica
	FIWARE LAB TEAM	Federico M. Facca	Martel

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 - 4.2 Process





- 5. Ticket status
- 6. Other questions
- 7. Old Activities

OPEN STACK MIGRATION PLAN

FREEING OF RESOURCES

INTERNAL COMMUNITY ACCOUNTS

Action Points

Minutes of meeting

1. Node status

Following nodes have issues in infographics:

	Node	Status	Updated on
1-	Budapest	Node is fully operational. http://backlog.fiware.org/lab/backlog/Budapest Scheduled Maintenance: One of the core routers at Wigner RCP will be repaired Tuesday from 9-12 (06/28/2016)	28/06/2016
		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	01/03/2016





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	Contextbroker, we restarted it (SOLVED) - in neutron log we found some keystone authorization failed (SOLVED)	
	Node is fully operational.	23/02/2016
	Node is fully operational.	16/02/2016
	Object storage performance issue was reported by one of our users that is under investigation.	
	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	21/12/2015





		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 • https://jira.fiware.org/browse/CLD-930 • CLOSED - SOLVED • Some components can be deployed via Blueprint and some of them is not. Strange error • Thttps://strange.org/browse/clds-44 • https://jira.fiware.org/browse/FLUA-18 • https://jira.fiware.org/browse/FLUA-18	
2-	Crete	Node is fully operational. Migration to Kilo completed. Node is fully operational.	28/06/2016 21/06/2016
		Finally, succeeded to install Monasca Agent using virtual_env. He have connection with keystone proxy and the FiwareLab portal for the region of Crete.	07/06/2016





		 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 Problem with Infographic since 28/04/2016: probably a routing problem with MD-VPN	
3-	Lannion	Node in Juno and Kilo are fully operational. All FLUA tickets were handled. Node in Juno: Maintenance Juno node: Install the new monitoring system: On going Node in Kilo Configuration and local tests: done Installed using Fuel 7.0 with 2nd maintenance updates: 2 Controller nodes in HA 5 Compute nodes As strategy, we will migrate instances on demand (we'll send a mail to our users after the inclusion in sanity check). Maintenance Kilo node: Sanity checks: Having some problems with L3-agent, problem still under investigation. Migration scripts from Juno to Kilo: On going Install the new monitoring system: On going Problems: None Help Ticket: None NODEM-310: Ceilometer installed on the JUNO prod node but not configured: we need instruction for a node in HA, we need the instruction for the configuration with Keystone.	28/06/2016



		=> Blueprint:	
		LAB-214/LAB-283: Floating IPs not assigned to all	
		deployed tiers (on going). Bug related to nova	
		deployed by fuel6.0. It should have been solved on	
		sprint 4.4.3 released in sept the 30th	
		=> Object Storage:	
		· FIM-8: Problem Handling Quotas with swift: in	
		progress	
		=> Block Storage:	
		· CP-49/CLD-820 : Cannot backup a volume from the	
		CP: Scheduled 5.2 Release: 31/Mar/16	
		=> Images:	
		 (CLD-593/ HELP-3977): CentOS-7 image can't retrieve metadata. issue related with cloud init which incompatible with Neutron GRE on a HA node. (LAB-306): GIS-3.3.3: at reboot, the instance stuck at grub page. Supposed to be solved on sprint 4.4.3 available on 30 sept with the new version GIS 4.4.3, but the image is not available yet in the catalogue GIS 3.3.3: available on images and in the catalogue 	
		GIS 4.4.3: available only in the catalogue	
4-	Mexico	Node is fully operational.	21/06/2016
		Ceilometer up and running, starting the installation of Ceilometer pollster and Monasca Agent. There are problems with the deployment of the new monitorization architecture.	
		Pending the creation of public-private key ticket.	
5-	PiraeusU	Node is fully operational. Sanity Tests - Node status is green.	27/06/2016
		Inforgraphics - Node is up&running - it is visible	



		Jira There are no open FLUA request for our node in jira. Sprint for deadline 30/06 has been updated in jira	
6-	Poznan	Node is fully operational, all tests passed. Infographic look ok.	28/06/2016
7-	Prague	Node is fully operational. Everything is green, karma monitoring occasionally suffers from unrelated bugs. Kilo migration ongoing (waiting for the compatibility tests). Still performing CEPH performance tests.	
8-	Sao Paulo	Node is fully operational. The deployment of the new monitorization architecture isn't working yet. Problems with old monitoring architecture.	21/06/2016
9-	Sophia-Antipolis	Existing Xifi Node: is fully operational, -Fi-health sanity tests: not OK, VM deployment tests failing New FI-Core: new node SophiaAntipolis2 We have installed 3 controllers running in HA mode deployment with Kilo: OK -Murano installation: OK -Ceilometer installation: OK Keystone proxy connectivity: OK Fiware Lab Cloud Portal: OK -Fi-health sanity tests: Node status green -Infographics: web site currently having timeout issue	27/06/2016



		-Installation and configuration of new monitoring system: Completed. Need validation from Pablo -Migration of VMs: not started yet Note: After the VM migration, we will disconnect the former Xifi node from Renater/Geant, the controller and computes nodes will be migrated to the new environment.	
10-	Spain	Node fully operational. Waiting to migrate tenant from PiraeusU to Spain2 but without taking the snapshot, just a "replace" of the filesystem file taking into account that the baseimage are the same, still waiting new details from PiraeusU. Started to work in the installation of Storlets in Spain2. Configured a network for IPv6 access, working properly. Define secure document to have information about the global instances deployed in Spain.	21/06/2016
11-	Trento	Node is fully operational. All tickets have been processed. Installation of components for the new monitoring system is ongoing Node is fully operational. All tickets have been closed. 2 compute nodes migrated in the new environment.	28/06/2016



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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
Node is fully operational. Hardware migration on the new production node (Trento2) is ongoing. Working in cooperation with Create-Net in order to move in the new monitoring system on Trento2 node, using Ceilometer. All tickets have been processed, except one, that we asked to be forwarded to the Spain team as it regards image issue or image configuration.	10/05/2016



		Node is fully operational. All tickets has been processed. Supporting the user migration in the new node (around 30/40% of users migrated).	26/04/2016
		Node is fully operational. All tests are green. Supporting the user migration in the new node	19/04/2016
		Node is fully operational. All tests are green. Supporting the user migration in the new node. Providing connectivity on "old" node because of Fiware events ongoing, probably until end of April.	12/04/2016
12-	Volos	The node is fully operational. We concluded the process of sorting up and clearing out the unused and very old virtual machines. For the correctness of the process we followed the formal procedure of contacted with the owners through the portal of Fiware Lab. In advance, we removed 3 compute nodes. All the other resources are the same and no more reduction are to be conducted in the near future. Lastly, we begun the planning of migration to KILO, as soon as this process comes to an end we will contact the owners of the virtual machines hosted in Volos node and we will schedule the migration.	21/06/2016
13-	Zurich	Zurich2 node is fully operational.	28/06/2016



		Object storage integrated with Cloud Portal.	
15-	SpainTenerife (formerly ATOS-TEIDE -Official ATOS FIWARE Lab node)	Still working on the installation of the monitoring tool. We resolve the problems so SpainTenerife node are now in green status. This week we start to install the new monitoring tool.	28/06/2016 21/06/2016
	noue)	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	19/04/2016





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	morning on this.	
	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.	22/03/2016
	Sent OpenStack endpoints to Fernando on 25/02/2016. Pending next steps from Fernando for node registration	08/03/2016
	Our team from Teneriffe in touch with Fernando to complete the node registration.	23/02/2016
	OpenStack installation completed, currently in the process of:	02/02/2016





		- 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)</ip-address>	
16-	Vicenza	Failed on one test of Sanity Check (test_deploy_instance_with_new_network_and_e2e_c onnection_using_public_ip) but the user's VMs are working. 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.	28/06/2016 21/06/2016 14/06/2016
18-	Hannover	Federated fiware-lab-federation-nodes@lists.fiware.org Sanity Check failed Problem found (metadata agent) Working on a solution	20/05/2016 27/06/2016 28/06/2016
20-	ZurichS	Node is fully operational First user VM was spotted Our account was upgraded, and we can now give users access to our node.	28/06/2016 21/06/2016





		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 We had to change Keystone credentials due to a misunderstanding. Since then, all operations fail. Once this is repaired, will do Ceilometer/Monasca	7/6/2016
		configuration, targeting next week (<u>LAB-493</u>) Working on Ceilometer/Monasca configuration	31/5/2016
		Note sure about JIRA access: multiple personal Forge	25/5/2016
		accounts (preferred by us), or a single shared one? Fernando's manual tests successful	17/5/2016
		Setting up JIRA access	10/5/2016
		CPU upgrade Haswell-EP -> Broadwell-EP	10/3/2010
		Live migration doesn't work—known problem?	
		Actually this works fine! Unless you try to migrate	
		instances that were created before federating Reworking our Puppet classes to handle the non-standard way of the FIWARE installation (service	26/4/2016
		names, ports). Expecting to start federation this week Received service users/credentials, prepare reconfig. Swift/S3 will be done somewhat later.	19/04/2016
		2nd round of manual testing -> ask Álvaro for creds	11/04/2016
		1st round of manual testing -> feedback, rename nets	07/04/2016
21-	Genova, Italia	Configuring lot 2 HW upgrade; federation process started (with lot 1 HW).	28/06/2016
		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





22-	Messina, Italy	of the one which broke down inexplicably some time	28/06/2016
		ago.	

2. FIWARE LAB KARMA

Karma Link:

https://docs.google.com/spreadsheets/d/1mHnw-2ci0UKNxsR6GxSLG0Sp38jL73iQWV4Jcz9f_J0/edit?pli=1#qid=34921865

3. Report of FIWARE Lab Task Force

1. AGILE MEETING - Sprint Planning

For those of you who didn't attend the last Sprint Planning Meeting we can try to arrange a quick dedicated phone call

2. Deliverable for new nodes coming from the Open Call

https://docs.google.com/document/d/1lu8yZT2B8fQ0T11wL09su1asKtsPXfg9URGQgl_o0_o/edit

New Monitoring System

- 1. By May 18th Spain node should be completely on the new monitoring. Then other nodes can follow.
- 2. Here information on how to install the new monitoring system: https://github.com/SmartInfrastructures/ceilometer-plugin-fiware

4. Discontinued Nodes Migration

In order to avoid new episode and trouble with discontinued nodes migration, we are working hard to define a "shutdown process" who will be mandatory for each node before discontinuing the service provisioning!





It has been discussed with Miguel and now some rules will be integrated within the new DOW!

4.2 MIGRATION STATUS:

Last VMs to be migrated from PiraeusU to Spain ?

[PiraeusU]: Regarding the 4VMs that remain to be migrated, we wait the completion of Crete node migration. Then we will contact Crete node team so as to ask if they, finally, can get the VM.

5. Ticket status (updated 2016/04/04)

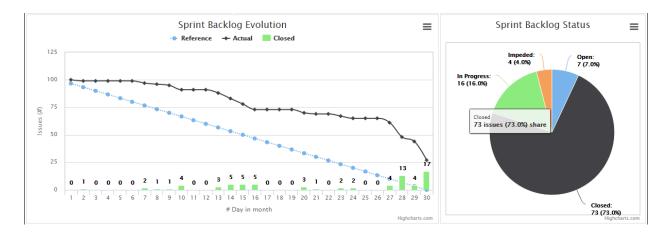
http://backlog.fiware.org/helpdesk/lab → backlog link

NODE	TICKET	COMMENTS
Volos	HELP-6833	1 day

LAB Backlog and help desk - general overview

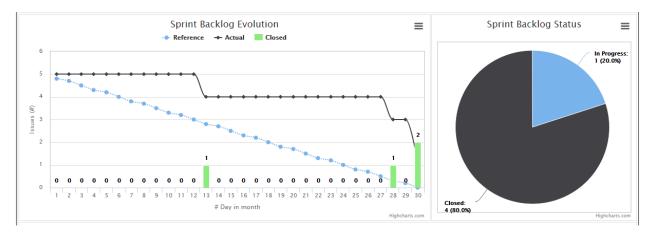
http://backlog.fiware.org/lab/overview





73% performance

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



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



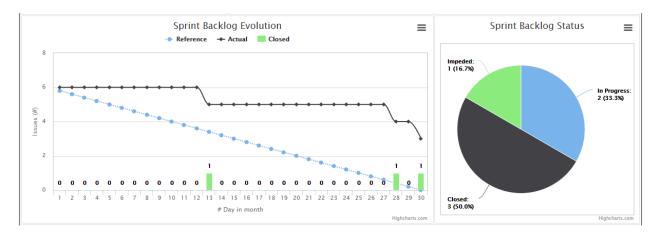
Genoa still in Negotiation but changed working mode to Preparation





Hamburg name changed to Hannover - and to Preparation working mode

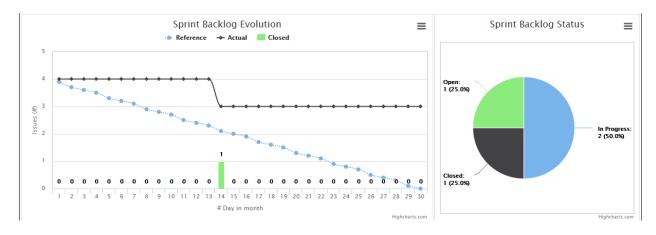
Lannion: http://backlog.fiware.org/lab/backlog/Lannion



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

In negotiation

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



Sprint is NOT closed

Piraeus U - http://backlog.fiware.org/lab/backlog/PiraeusU

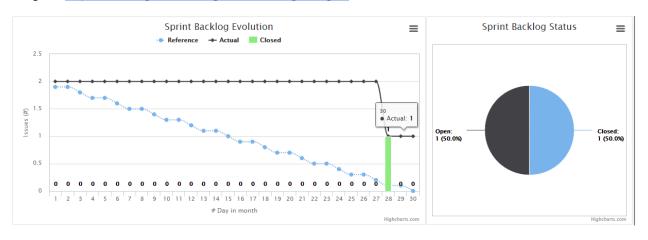
- Backlog doesn't have content
- Help desk: http://backlog.fiware.org/lab/helpdesk/PiraeusU

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





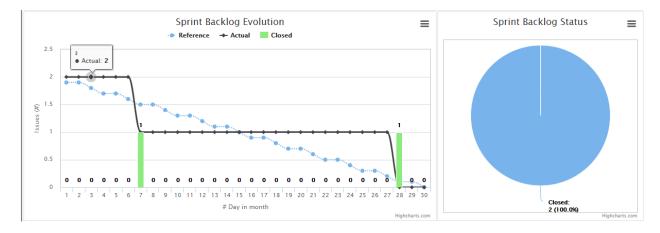
Prague: http://backlog.fiware.org/lab/backlog/Prague



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

- This node hasn't closed the sprint

Sao Paolo: http://backlog.fiware.org/lab/backlog/Sao%20Paolo

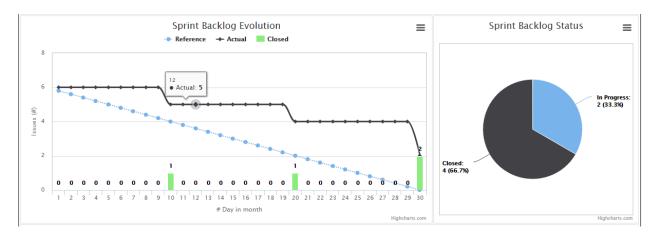






- Help desk: http://backlog.fiware.org/lab/helpdesk/SaoPaolo
 - No content at ALL

Sophia Antipolis: http://backlog.fiware.org/lab/backlog/Sohia%20Antipolis



Help desk: http://backlog.fiware.org/lab/helpdesk/SophiaAntipolis

No unresolved tickets in the help desk

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



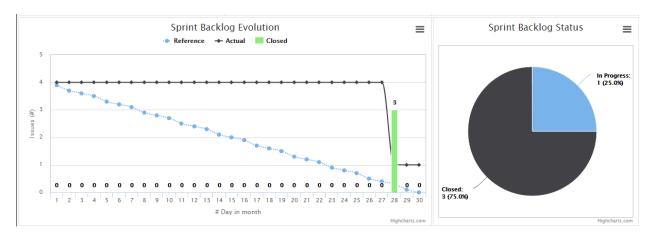
Help desk: http://backlog.fiware.org/lab/helpdesk/Spain





Some items are closed but on the foreseen list - this is wrong - they have been put with the right time slot - sprint

Spain - Tenerife: http://backlog.fiware.org/lab/backlog/Spain-Tenerife



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

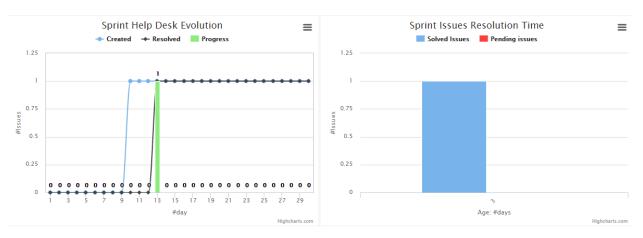
It doesn't have content

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



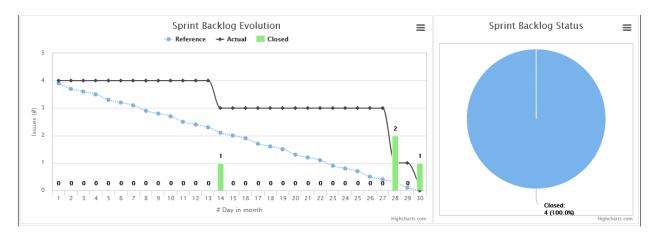


Helpdesk: http://backlog.fiware.org/lab/helpdesk/Trento



Vicenza - changed to Active

Backlog: http://backlog.fiware.org/lab/backlog/Vicenza



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

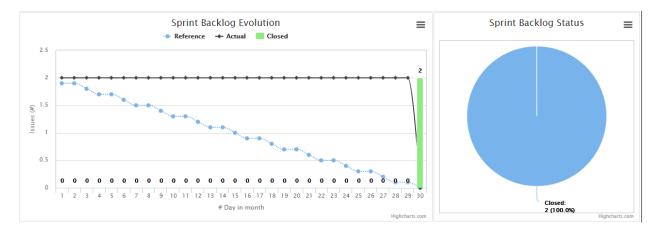




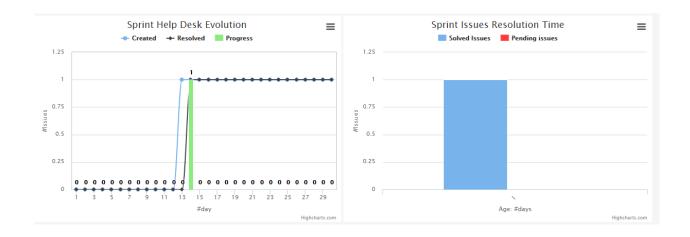
There aren't tickets in the help desk

Volos:

Backlog:http://backlog.fiware.org/lab/backlog/Volos

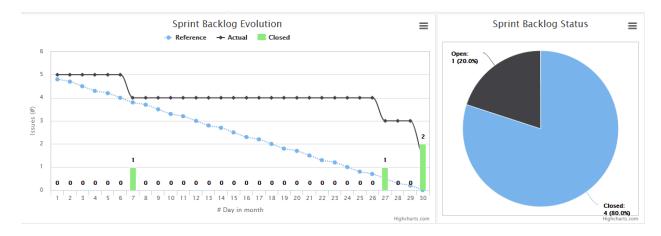


Help desk: http://backlog.fiware.org/lab/helpdesk/Volos

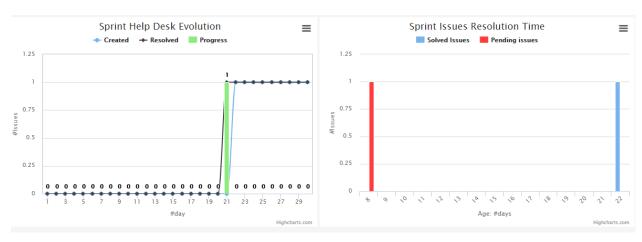


Zurich: http://backlog.fiware.org/lab/backlog/Zurich





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



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







Help desk: http://backlog.fiware.org/lab/helpdesk/Zuri	<u>chS</u>
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1 ticket for testing purposes. OK

6. Other questions

New calendar Tool:

https://dash.lab.fiware.org

Have you tested it?

Send feedback to miimenez@fi.upm.es

OPEN STACK MIGRATION PLAN

New Migration Plan in order to upgrade nodes to Kilo version.

https://docs.google.com/document/d/1zmFAB4cFW8uYZ00wwyexH5tW0idw-y5c2lDjJilh3W8/edit?usp=sharing

• Currently under migration: Crete, Lannion.

Budapest?

7. Old Activities

NEW INFOGRAPHIC:

http://infographic.lab.fiware.org/





https://lists.fiware.org/listinfo/fiware-cloud

(please check and update your current version)

old plan:

https://docs.google.com/document/d/1jqypqp5Wf6dJgQufqVJicXDcJpoL1ajTPjjYtnQn-sw/edit

FREEING OF RESOURCES

https://docs.google.com/a/create-net.org/spreadsheets/d/1xMmcTPP5FmlqlkBjm4igg58m7GaZv N2spXZflhF7Q4U/edit#gid=0

INTERNAL COMMUNITY ACCOUNTS

https://docs.google.com/document/d/1g4y1sSvNLzxlSxDneY5X5noT9dMZI1GC QKVwb3Dr6l/edit?usp=sharing

are these (internal community accounts) applied to the newly acquired user accounts? It doesn't seem to be the case.. or was this done only one time for the listed domains?

AOB

- Ilknur: Most of the current community accounts seem to be expiring before the FI-CORE ends. Should we proactively extend the community account expiration dates so we don't run into issues later? See ticket: https://jira.fiware.org/browse/HELP-6306
- Q: How does the rating on http://status.lab.fiware.org/ work we (Zurich) are green, but a different green and it is not clear what this means and how this was determined. (SeánM)
- https://jira.fiware.org/browse/FP-89

Action Points

Number Description	Owner	Deadline	Status	
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#1	Every meeting create a status of open tickets for users. - General - Node per node	Alfonso	13/10/2015	Done
#2	Revise karma to include open tickets	Federico + Fernando + Silvio	13/10/2015	Ongoing
#3	Contact discontinued nodes about tenant migration	Federico	06/10/2015	Done
#4	Create a Google drive with all minutes and share it	Alfonso	13/10/2015	Done