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Ongoing & future FIWARE activities at INFOTEC

www.fiware.org



OPEN APIs FOR OPEN MINDS

Current activities of INFOTEC

The creation of the Mexican FIWARE-Lab Node is the result of a successful cooperation between relevant actor in México and Europe.



Tecnológico
de Monterrey



CONACYT

cenidet

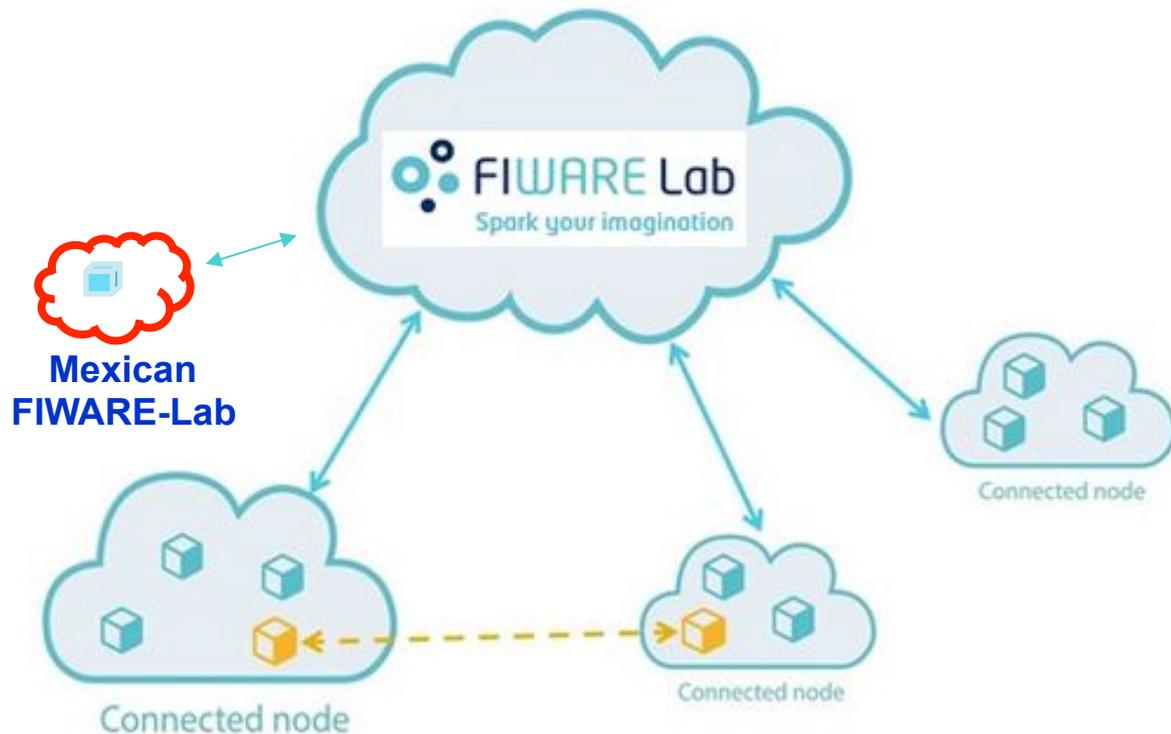
grupo
Plenum.



Current activities of INFOTEC

As a result of negotiations with European Commission and CONACYT, we created the Mexico **FIWARE-Lab** node.

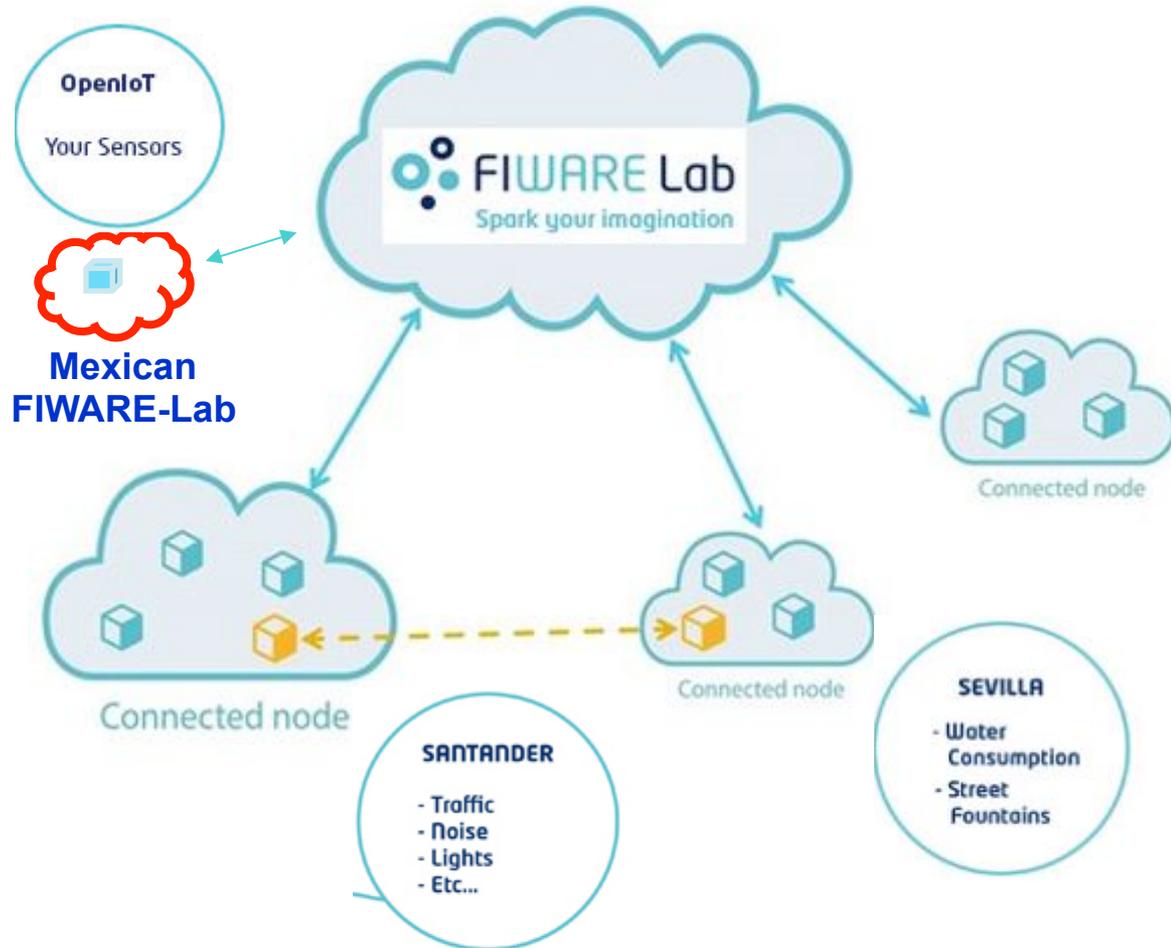
FIWARE Lab Node Federation



Current activities of INFOTEC

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FIWARE Lab Node Federation

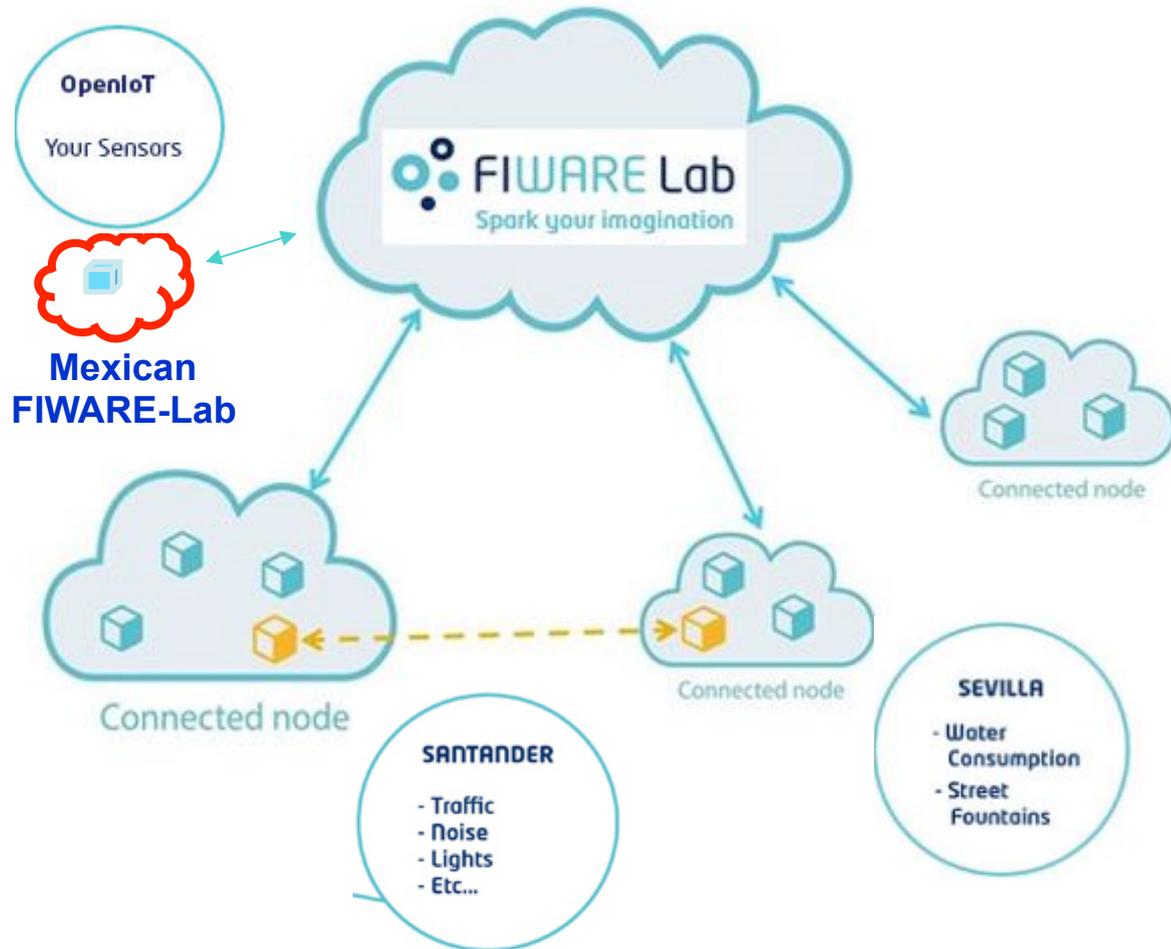


Current activities of INFOTEC

As a result of negotiations with European Commission and CONACYT, we created the Mexico **FIWARE-Lab node**.

To do this, the Future Internet National Laboratory (**LaNIF**) was created which holds the FIWARE-Lab node.

FIWARE Lab Node Federation

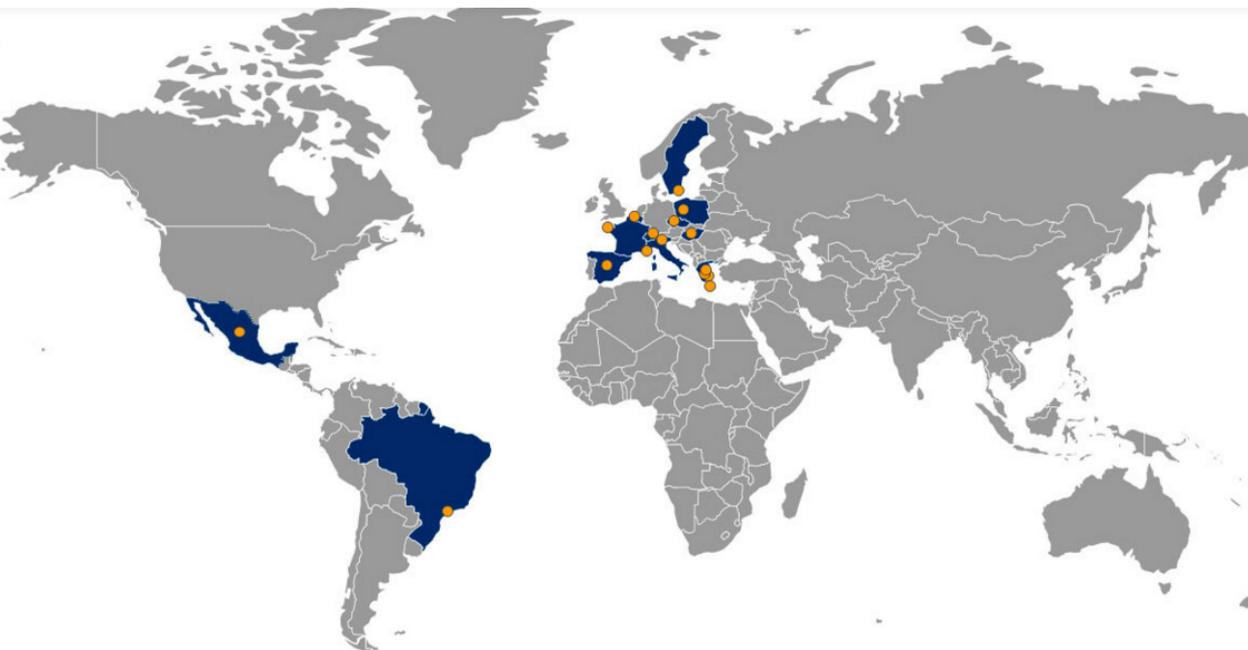


Current activities of INFOTEC

The node is hosted in the INFOTEC Data Center (UPTIME III certification, with 99.982% availability).



Current activities of INFOTEC



The Mexican node expand the capacity of FIWARE to give support of users in all world.

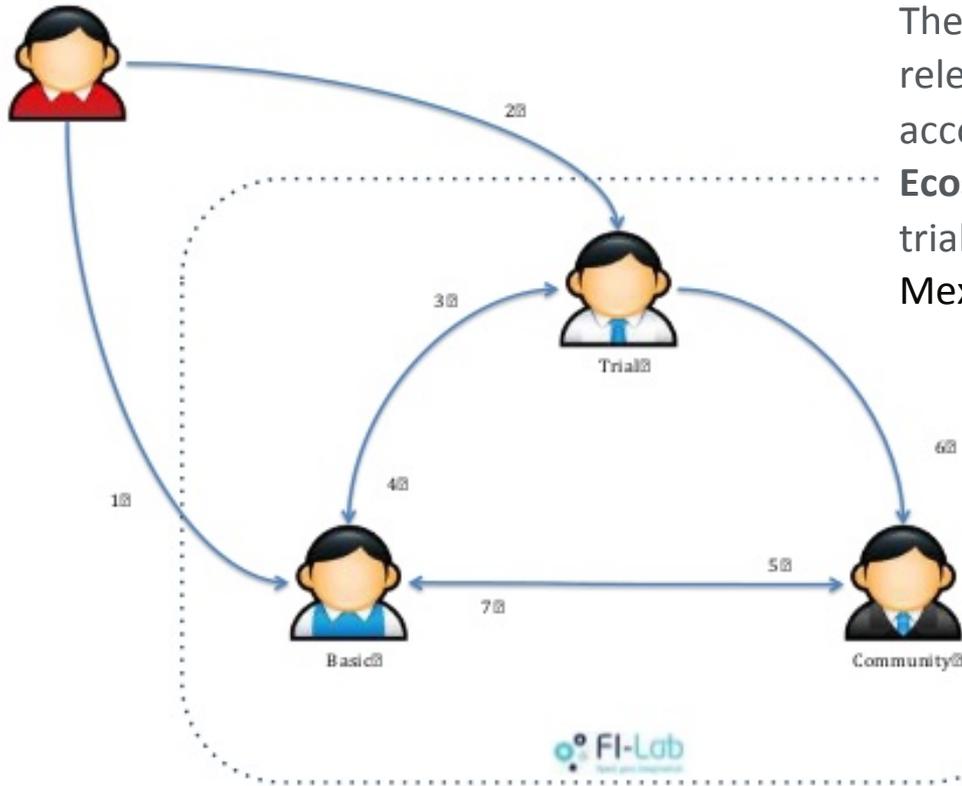
Currently, FIWARE Node Federation is composed by **4,000 physical cores**.



Join FIWARE ... **It's free!**

Current activities of INFOTEC: user accounts

FIWARE Lab Accounts



The creation of FIWARE accounts is one of the relevant topics for Mexican context. A FIWARE account implies having **access to the FIWARE Ecosystem**. We have three types of accounts: basic, trial and community. The last one is different in Mexico and Europe.

FIWARE Lab

FIWARE Lab is a working instance of FIWARE available for experimentation.

You will be able to setup the basic virtual infrastructure needed to run applications that make use of the APIs provided by FIWARE Generic Enablers deployed as a Service either globally or by you (as private instance).

[Request Community Account upgrade](#)

[Sign up](#)

[Need Help?](#)

Ask a question.

[Our GEs](#)

See our Catalogue.

[FIWARE Lab nodes](#)

Learn about FIWARE Ops.

[FIWARE Academy](#)

Train yourself.

Current activities of INFOTEC: user accounts

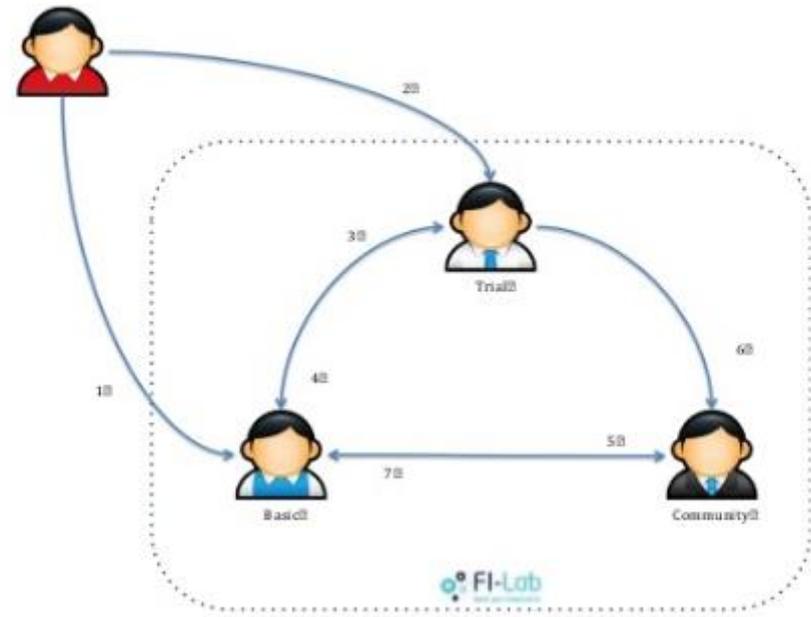
Basic:

- It allows a user to use the FIWARE Lab Account Portal to have a FIWARE identity.
- He can register new applications that use the FIWARE GE and protocols.
- He can also manage roles and permissions in order to add authorization in his services.
- He cannot use the cloud for his project.

Trial:

- It allows a user owns a special organization designed to be used in the cloud environment.
- It permits the organization accessing the Cloud Portal to create resources that could be shared to FIWARE users.
- The cloud resources are fixed to the Spain2 region
- Low level of quotas.
- Time period of 14 days
- A user can use the Trial period only one time.

FIWARE Lab Accounts



Current activities of INFOTEC: user accounts

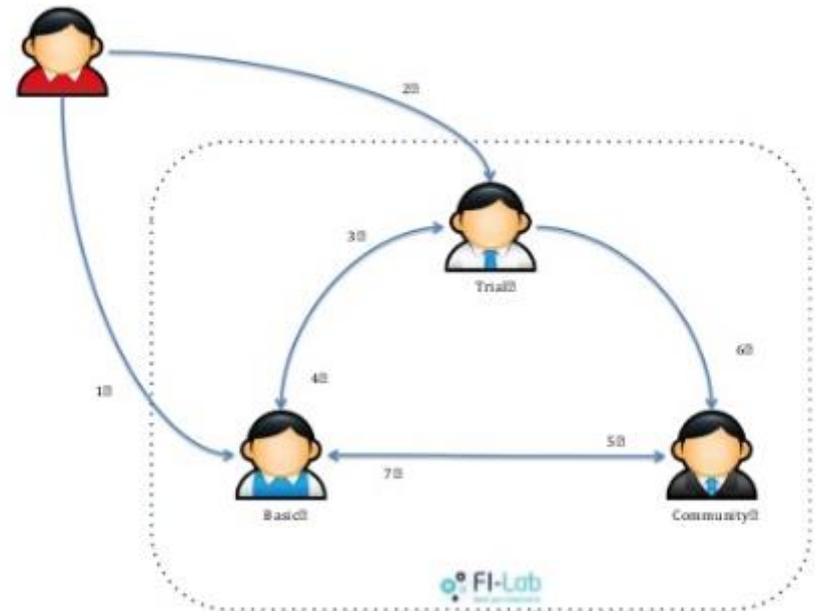
Community Account:

- Same actions that a Trial account
- Validity period of 9 months.
- The user can deploy cloud resources in the selected FIWARE Lab.
- Quotas higher that the Trial account

In Europe, the use of community accounts is privilege to “more stable ”projects, usually associated to the accelerator program.



FIWARE Lab Accounts



Current activities of INFOTEC: user accounts

Community Account:

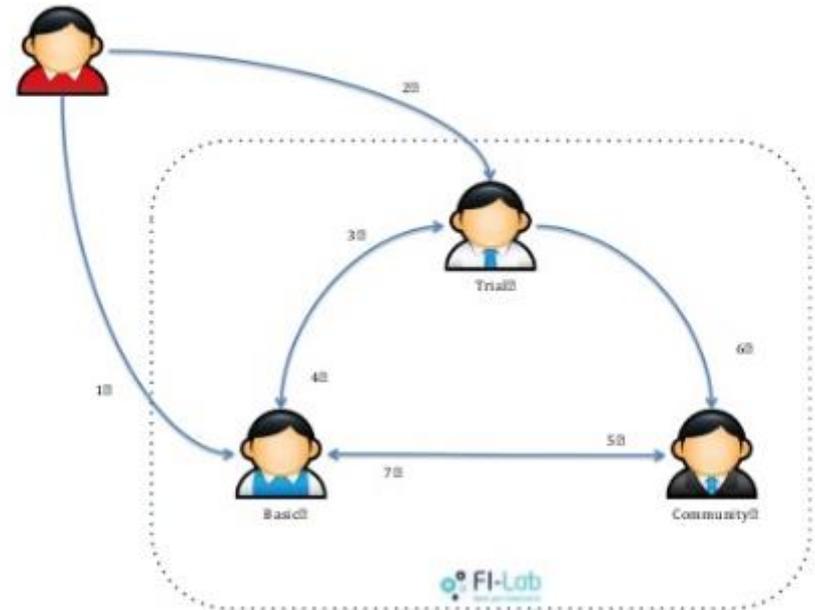
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In Mexico we don't have an accelerator program, so

Oh! and who can help me now?



FIWARE Lab Accounts



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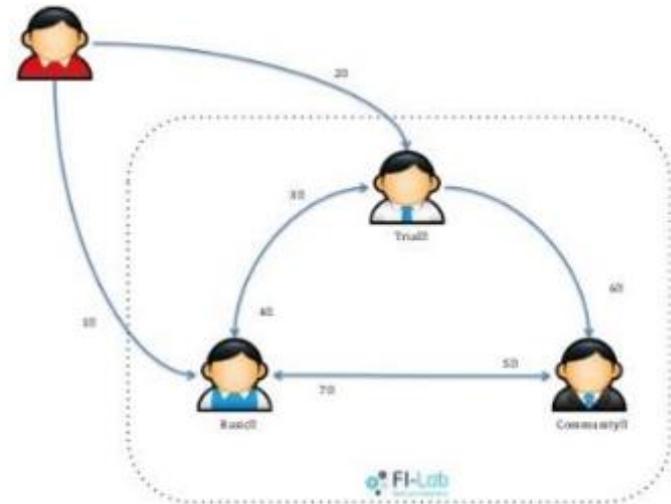
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Oh! and who can help me now?

The team Mexican FIWARE Node manage the Community Accounts:

Send an email to nodofiwaremexico@infotec.mx for further information

FIWARE Lab Accounts



Current activities of INFOTEC: user accounts

A community account implies having an instance in the cloud with several virtual machines, hard disk and memory and public IPS.

Quotas of Community accounts in the Mexican FIWARE Lab node

| Resources / quotas | Default quotas | Maximum quotas |
|--------------------|----------------|----------------|
| VM | 2 | 5 |
| VCPUs | 2 | 10 |
| Hard Disk (GB) | 40 | 100 |
| Memory (GB) | 4 | 10 |
| Public IPs | 1 | 1 |

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Current activities of INFOTEC: user accounts

Quotas of Community accounts in the Mexican FIWARE Lab node

FIWARE Lab

| Resources / quotas | Maximum quotas |
|--------------------|----------------|
| VM | 5 |
| VCPUs | 10 |
| Hard Disk (GB) | 100 |
| Memory (GB) | 10 |
| Public IPs | 1 |

| |
|--------------------------|
| ▪ Rackspace Large |
| ▪ 4 core CPU |
| ▪ 15.8GB RAM |
| ▪ 1 Gb Network |
| ▪ 620GB Storage |

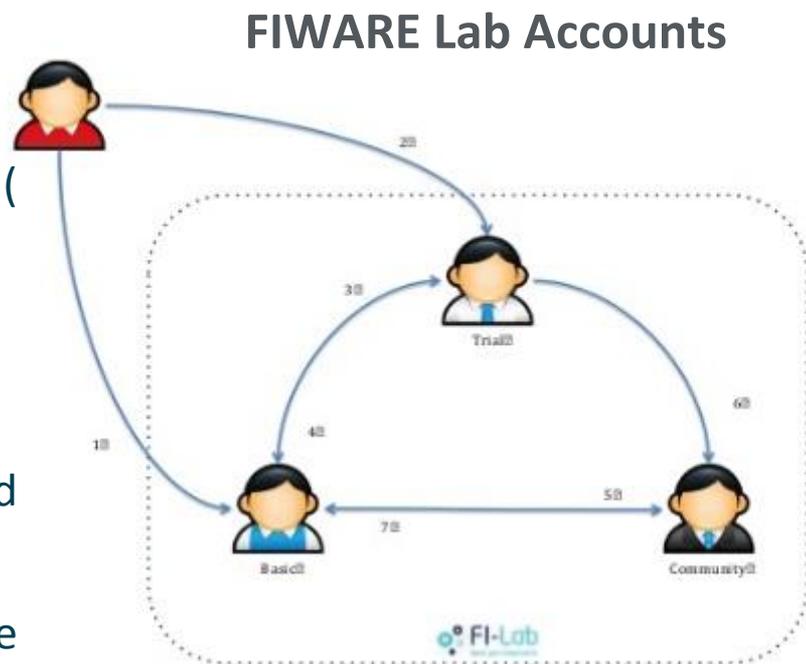
This is free!

Send an email to nodofiwaremexico@infotec.mx for further information

Current activities of INFOTEC: user accounts

The process to request a community account

- a) Create a FIWARE account in the portal (<https://account.lab.fiware.org/>).
- b) Request the Community Account Upgrade.
- c) Select the Mexican FIWARE Node
- d) Describe your FIWARE project and requested resources using the FIWARE Portal.
- e) We need to perform an evaluation to determine the projects selected to have an account.



We have limited resources so, send you request as soon as possible!! Only remember that this account is only for experimentation!!

Current activities of INFOTEC: user accounts

What are the means to maintain an open node that is free for any user?

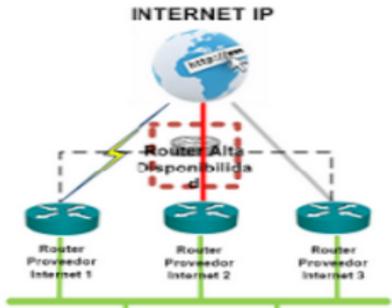
What happen with the commercial products based on FIWARE?

One of the current activities of FIWARE in Mexico is the creation of a commercial FIWARE Node.

Currently, the companies need to move the applications to commercial cloud providers in order to commercialize their products.

The screenshot displays the FIWARE Lab marketplace interface. At the top, there is a navigation bar with the FIWARE Lab logo and menu items: Cloud, Store, Mashup, Data, Account, and Help/Info. Below the navigation bar, the breadcrumb path reads 'marketplace / admin / FIWARE Lab'. The main content area is divided into a 'Filtering' sidebar on the left and a grid of application cards on the right. The 'Filtering' sidebar includes a 'Refresh' button, a 'Keywords:' field with a search input, and a 'Store:' dropdown menu currently set to 'All stores'. The application cards include: 'OrionStarterKit' (pack, 5 stars, Install button), 'WireCloudUserGuide' (pack, 5 stars, Install button), 'WebMapService' (widget, Free button), and 'KurentoStarterKit' (pack, 5 stars, Install button). Each card provides a brief description of the application and its components.

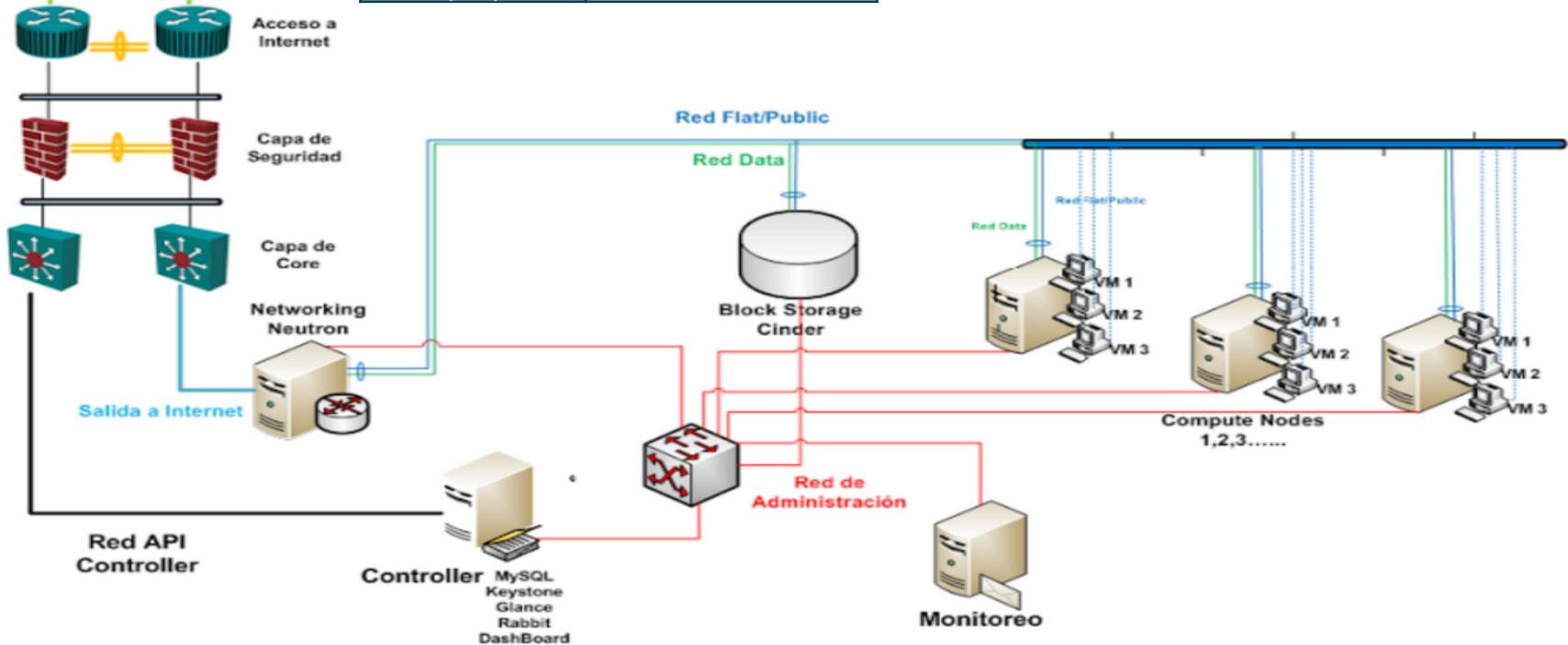
Current activities of INFOTEC: user accounts



Node capabilities

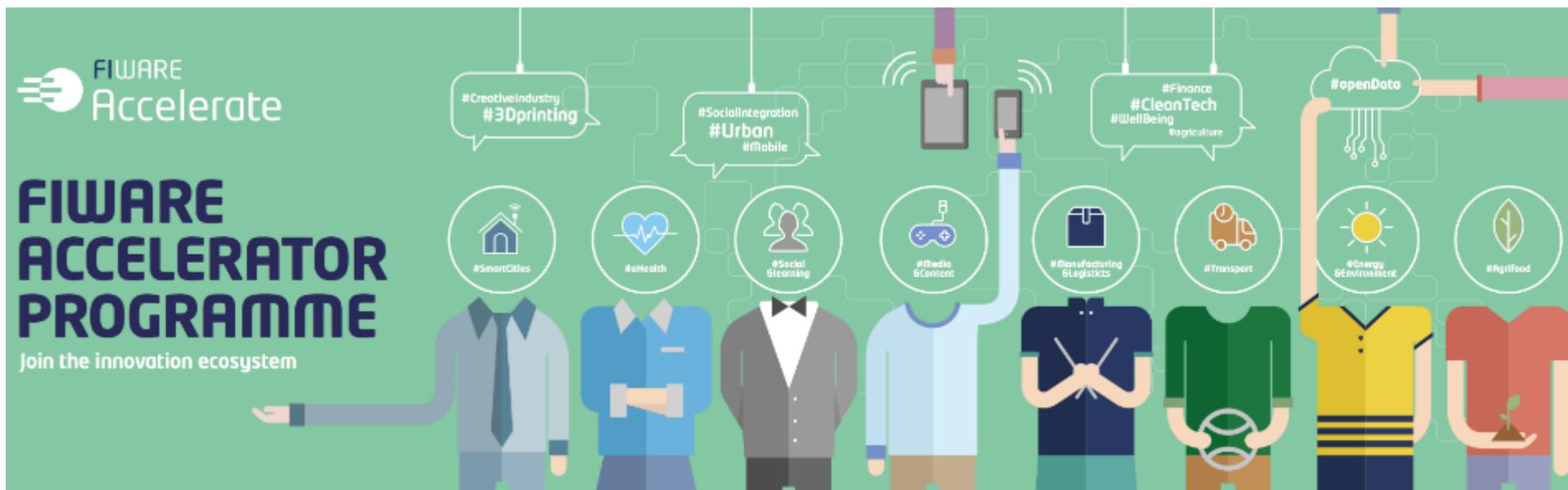
| | |
|----------------|-----|
| TOTAL CORES | 160 |
| TOTAL RAM (TB) | 2.5 |
| TOTAL HD (TB) | 36 |

The first native Commercial FIWARE Lab in the world!!



Current activities of INFOTEC: accelerator program

Based on FIWARE ACCELERATOR PROGRAMME of the European Commission, we propose the creation of a Mexican funding program that allow the participation of public and private organizations to support the Mexican entities to generate solutions with FIWARE.



Current activities of INFOTEC: accelerator program

- In order to maximize the use of FIWARE for solving Mexican issues, an acceleration programme will be created to give financial support to entities developing projects that give innovative solutions to common problems of Mexico based on FIWARE.
- The Accelerator Program will be based on FINNOVA Program of Economy Ministry.
- The acceleration programme will help strengthen the capacity of national software industry, transforming problems into commercial opportunities, not only nationally but internationally.

Please stay alert to this Call in next months

Current activities of INFOTEC: training program

Creating and implementing a complete training programme to effectively transfer the know-how of FIWARE from Europe to Mexican relevant stakeholders.

The training programme includes:

- A “train the trainers” plan for Mexican trainers on FIWARE, with the knowledge, skills and experience to provide professional training to developers, students, entrepreneurs, and SMEs on the FIWARE Ecosystem in Mexico. (Sep-Nov 2016)
- A training plan for developers and integrators , in order to adequately propagate the use of FIWARE in Mexico. (4 cycles between 2017 and 2018).
- A training plan for Software and Hardware contributors to the FIWARE ecosystem, including the FIWARE Open Source Community. (2 cycles between 2017 and 2018).

Open APIs for Open Minds



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