About Quobis

- We’re all about interconnection and security in UC
- Strong expertise on SIP and WebRTC technology
- Founded in 2006, privately held, no VCs
- Markets: telco and service provider
- HQ in Spain, worldwide sales
- Recent awards:

MIT tr35

RED HERRING EUROPE FINALIST 100

Quobis R&D interests

1.- Adapt WebRTC to smartphones and embedded devices

WebRTC makes possible to establish voice and video call from web browsers, with no additional plugins or extensions. WebRTC could be a possibility to implement this services in small devices.

2.- Adapt SIP protocol to Internet of the future

During the last six years has been working with SIP protocol to interconnect different VoIP systems. SIP protocol can also be used to establish video calls, communication in videogames, etc. Internet of the Future will have 10x connected devices so SIP can help to solve communication in other scenarios leveraging the ubiquitous existing SIP-based platforms.

3.- Improve security and QoS in real-time traffic

Attack prevention, monitoring, fraud detection, voice quality, KPI, user experience, robustness, etc are some of the key topics in voice networks during the last years. Quobis has been addressing this problem with carrier-class proprietary and opensource solutions. New risks has been detected so we will help to keep security and quality in large networks.

Overview

Project proposal: Unleashing the Potential of WEB-centric communication architectures (upWEB)

EU Call: Advanced 5G Network Infrastructure for the Future Internet

Action: Innovation Action

Proposed budget: around 5M EUR

Strand: Strand Network virtualization and Software networks

Structuring: P14 Virtual Network Platform (linked with P13, P15 and P16)

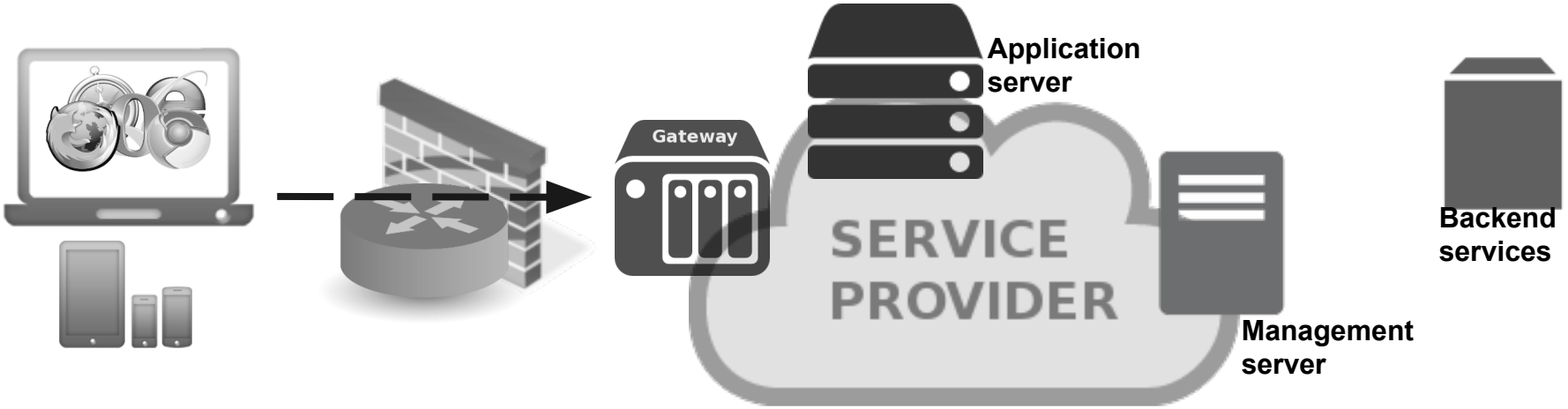
- Develop a new generation of control and management solutions supported by innovative network technologies
- Enable smart software-based innovations in future carrier-grade networks

Join the online meeting. June 2nd. 12.00 CET.

Book your seat at upweb.quobis.com or yudani.riobo@quobis.com

Objectives

Goal: Define a **web-centric** architecture for **telcos** and service providers for **millions of browsers** accessing online application to communicate with others with **low-latency**. It will be offering **standard based APIs** to developers and management tools to create **new services in seconds**.



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Some technical challenges

Quobis
leading your ITinerary

1.- Deal with push notifications to reduce battery consumption in smartphone and embedded devices

2.- Keep web communications secure from attacks like DDoS

3.- Explore QoS techniques to improve web-based real time communication.

4.- Design an architecture to deal with scalability (thousands of request per second from millions of devices).

5.- Improve user experience in browser-based client in mobile devices.

6.- Homogenize user experience and interoperability among different systems and devices

7.- Your ideas here !!!

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Partners and call to action

Telcos and services providers	Those who are exploring OTT services or who that browsers and web is going to be important in their business plans
Equipment vendors	Manufacturers of network communications devices
Web application developers (SME !!)	Specially those who consider communications tools interesting
Any other	Other strategic partners focused in the market of technologies involved in this project

Keywords

Network API **OTT** **OSS** **IMS** **NGN** **Application servers** **RCS** **WebRTC** **Diameter** **Browsers** **ORCA** **SIP**

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TIME TO ASK !!

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