

LYNCKIA. Web real time communications solutions

Advanced based videoconferencing service that allows for easy multimedia communication through a Web Browser.



Contact information

Address: ETSI de Telecomunicación – UPM, Avenida Complutense, 30, Ciudad Universitaria, 28040, Madrid

Phone number: 910671900

Website: etsit.upm.es

Email: alvaro.alonso@upm.es

Technological Offers type

Technological solutions

Research and innovation areas

- Digital Technologies, Artificial Intelligence, Cybersecurity, 5G, Robotics

ODS



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Where?

Information Processing and Telecommunications Center New Generation Internet

Keywords: | [Multimedia](#) | [telecommunications](#) | [video conference](#)

Brief description of the technology solution and the added value it provides

Lynckia provides a service for web developers and enterprises that allows them to easily enhance their web pages with real-time multimedia communications. Leveraging technologies such as WebRTC, Lynckia offers a service and a technological solution that allows for seamless communications inside a browser. Lynckia comprises both an open-source technology core and a cloud based service adaptable to the increasing demand.

All of this is the result of the efforts of researchers from the group of Internet of New Generation within the ETSI Telecomunicación of the Technical University of Madrid (UPM).

Description of the technological base

Lynckia provides multimedia rooms as a service. These rooms can be accessed via any WebRTC compatible browser. Clients can use the provided client-side API to integrate real-time communication (video, audio and data) seamlessly in their web pages. Lynckia implements a fully compatible WebRTC stack that includes advanced services such as recording, streaming from IP-cameras.

The core of the technology has been released as open source software and already has an active community of developers that are deploying it in pre-production environments. On top of that core, the full Lynckia solution offers a highly scalable service based on adapted algorithms.

“Fully customizable WebRTC multimedia rooms for multiple participants with advanced features such as recording”

Market demands

eHealth:

- Small physician practices can benefit from communicating directly with their patients with a simple tool within their own Web page.
- The ability to facilitate the access to the doctor is a great advantage for this small to medium groups.
- This videoconferencing needs to be secure and the ability to record the session for further study is also a must.

eLearning:

- From private schools to MOOC (massive open online courses) platforms demand tools that provide the technology needed to give courses online without relying on external applications.
- By including the conference directly in their web page they can easily control the amount of courses given and the time each student is online.

Digital Content:

- In today’s Internet, many companies from a variety of sectors need to offer multimedia content in real time.
- The ability to offer this within a web browser and with the company’s branding is very demanded.

Competitive advantages

- Advanced videoconferencing capabilities such as recording, screen sharing and multiple participants conferences.
- Complete integration with the target web application. Lynckia allows the web owner to fully customize the look and feel of the communication.
- Software core backed by an active open source community.
- Scalability algorithms allow Lynckia to handle a growing amount of participants while being able to scale back down if needed.

“Lynckia offers a total customization of the communication solution for every need, from the type of communication to the branding in a clean an easy way”

Development stages

- Concept
- Research
- Lab prototype
- **Industrial prototype**
- Production

Contact

Contacto Lynckia

Javier Cerviño, Pedro Rodríguez, Álvaro Alonso, Joaquín Salvachúa

e: contact@lynckia.com

w: <http://www.lynckia.com>

Contacto UPM

Área de Innovación, Comercialización y Creación de Empresas

Centro de Apoyo a la Innovación Tecnológica - UPM

e: innovacion.tecnologica@upm.es