An elastic Platform as a Service (PaaS) cloud for interactive social multimedia

http://www.nubomedia.eu
Problem statement: interactive multimedia development is hard

Wow, I've got an innovative idea for an interactive media app. Can I develop it?

No way. It's too complex. I don't have the required time and resources.
With NUBOMEDIA developing is just a Lego game

Hey, with NUBOMEDIA I can create applications just connecting pieces of a toolbox.

It's simpler and faster. I don't need to understand the low level details.
NUBOMEDIA provides a rich toolbox of innovative capabilities.

The toolbox is very rich and provides elements implementing latest trends in multimedia.
NUBOMEDIA applications are just pipelines of toolbox elements.

I can freely choose the toolbox elements I connect to create applications.

Choose the elements you want and connect them.
NUBOMEDIA really shines as a scalable deployment platform

Powerful idea, I develop thinking in the small, but deploy thinking in the large.

1. Develop your app using a simple API
2. Deploy into the NUBOMEDIA cloud
3. Scale

NUBOMEDIA developer portal
NUBOMEDIA: an end-to-end architecture

How do the pieces fit together?
This looks interesting. How can I access NUBOMEDIA technologies?

NUBOMEDIA is Open Source Software

LGPL

Free as in Freedom

Use NUBOMEDIA freely
Fork NUBOMEDIA freely
Extend NUBOMEDIA freely
Distribute NUBOMEDIA freely
Experiment with NUBOMEDIA freely
Access NUBOMEDIA source code freely
Add your media capabilities to NUBOMEDIA using the licensing scheme of your preference

This looks interesting. How can I access NUBOMEDIA technologies?

Free as in Freedom
Research challenges on media capabilities and APIs

- Multisensory multimedia
- Really social group communications
- Computer Vision simple integration
- Augmented reality integration
- 5G ready media framework
- Structured group communications
- Multimedia communication security
- Zero documentation APIs
- Integrated multilflow synchronization
- Visual development of services
- Intelligent media mixing

Research challenges on media infrastructures.

- Software defined Networks for QoS
- Social topology aware infrastructures
- Intelligent cloud placement
- Content aware networks
- Unlimited group sizes
- Seamless IMS integration
- Unlimited content storage
- Event driven architecture
- Self-reconfiguration / management
- Plug & play hardware architecture
- End-to-end infrastructure
NUBOMEDIA: interactive communications for the long tail

In which application areas can NUBOMEDIA be exploited?

NUBOMEDIA exploitation plan is targeted to long-tail vertical markets having special communication requirements

Number of users

Phone-like video-conferencing Services

Phone-like video-conferencing APIs

Long tail beyond phone-like video-conferencing

- e-Health
- Security
- Defense
- Insurance
- e-Learning

- Emergencies
- Logistics
- Games
- TV
- etc.

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NUBOMEDIA: the multimedia cloud

Thanks

Partners

[Logos of various partners]

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