PLAYing with SOA, EDA and Event Processing (in the Cloud)
@chamerling

#opensource
#linagora
#ow2
The Play Project

- Play FP7 research project (2010 - 2013)
- OW2 Play (2012 - ...)
- Not the Play Framework!

[Logos of various organizations]
THE VISION
“To develop and validate an elastic and reliable architecture for dynamic and complex, event-driven interaction in large highly distributed and heterogeneous service systems.”
THE BIG PICTURE
Event space 1 (service domain A)

Event space 2 (domain A)

Event space 3 (service domain B)

local context

global context

local context

Service system A

Service system B

Events

SENSING

AFFECTING

COMBINING

new event
Event Sources

EVERYTHING!

Sensors

Social Networks

Phones

...
THE PLATFORM...
Service Bus

- Integration Component
- Business services Pub/Sub layer
- BPEL support
- Scalable, Distributed, Cloud-ready
- Based on OW2 Petals Service Bus, Petals BPEL Engine
Event Cloud

- Store events
  - Historical data
- Pub/Sub Layer
  - Real time data
- RDF Support
- Massively Distributed, P2P, Big Data
- Based on OW2 ProActive
DCEP

- Real Time and Historical Query Support
- Based on
  - Etalis (FZI)
  - OW2 ProActive
Governance

- Manage the Platform
  - Describe all resources
  - Build and maintain a coherent platform, create pub/sub links, user management ...
- Business Monitoring
  - Event Level Agreements
- Technical Monitoring
- Based on Linagora prototypes
Platform Services

- Add more value to the platform
  - Subscription Recommendation
  - Service Adaptation
  - Pattern Deployment
  - ...
Hello Christophe Hamerling!

Available topics:
- Telco Location Updates
- Telco out-of-network Events
- Telco Answer Events
- Telco Recommendations
- Telco Recommendations from
- s_sar-test-0012
- Facebook Status Feed
- Facebook CEP Results
- Event Subscription Recommender
- Service Adaptation Recommender
- Vessel Information
- Vessel Proximity Information
- Workflow Events
- Telco Call Events

Search for topics:

All topics 15
Pachube Feed 15
Twitter Feed 0

All topics

PachubeEvent

Monitoring hardware based on http://openenergymonitor.org

http://www.linkedopenservices.org/ns/temp-json#environment

http://api.cosm.com/v2/feeds/10094

http://www.linkedopenservices.org/ns/temp-json#id

"13989" xsd:short , "10094" xsd:short , "0" ;

http://www.linkedopenservices.org/ns/temp-json#label

"Watts" ;

http://www.linkedopenservices.org/ns/temp-json#lat

"44.952513165734" ;

http://www.linkedopenservices.org/ns/temp-json#location

"-93.0881881713867" ;

http://www.linkedopenservices.org/ns/temp-json#max_value

"7844.0" xsd:double ;
(REAL) USE CASES
Nuclear Crisis

http://www.flickr.com/photos/mwboeckmann/5540011442/
Thanks!

Coming soon on

http://play.ow2.org