



Mario LOPEZ-RAMOS – Thales, France
Co-summit 2015, Berlin

Agenda

- Context
- Objectives
- Achievements
- Use cases
- Impact

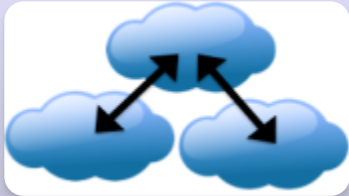
Cloud computing?



An overwhelming diversity of providers



EASI-CLOUDS objectives



Federate/broker services and resources from different Cloud providers



Simplify the development and management of cloud-based applications



Provide tailored SLA facilities

SLA = Service-Level Agreement

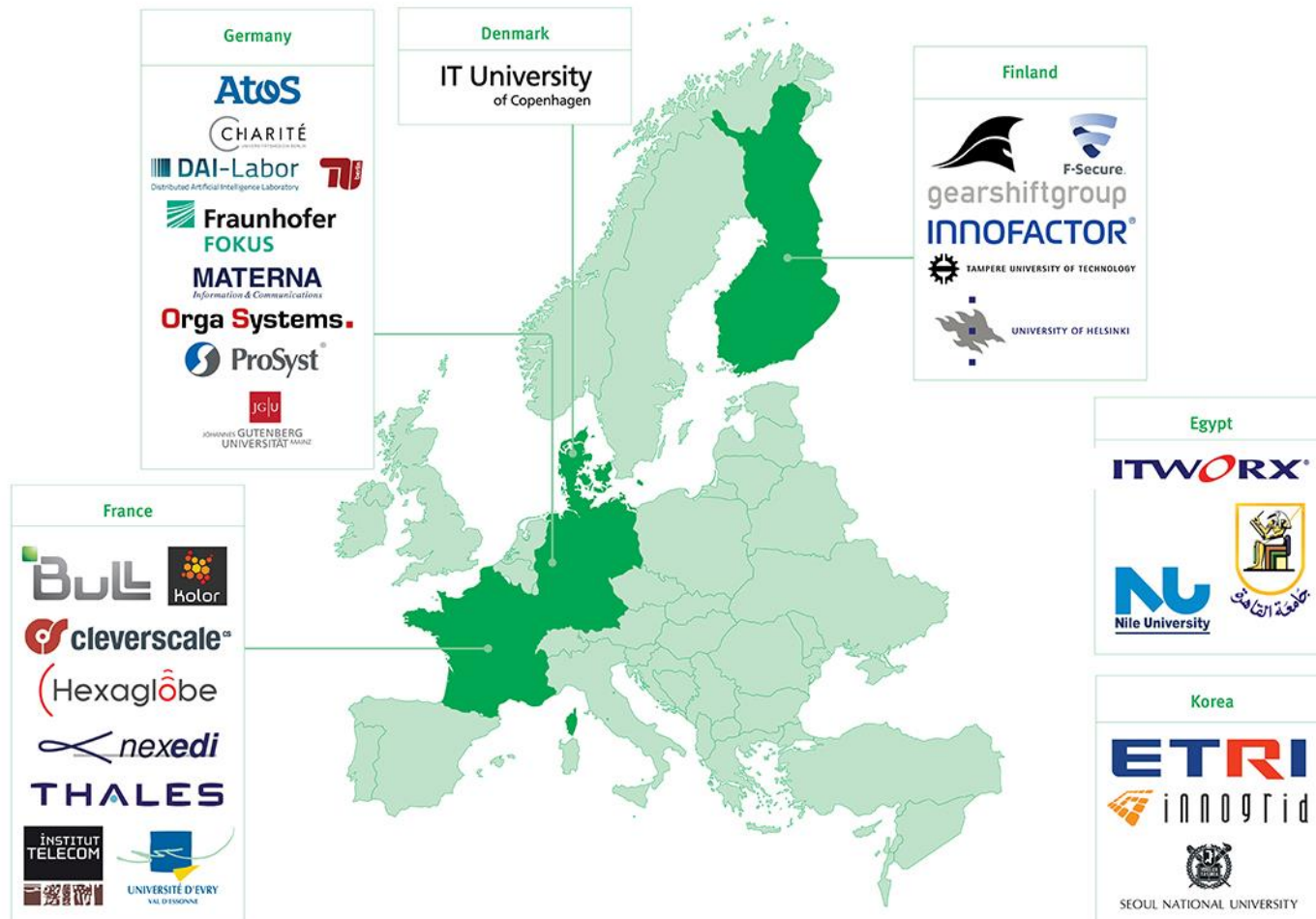


Enable new business models via real-time rating, charging, and revenue sharing

The EASI-CLOUDS consortium

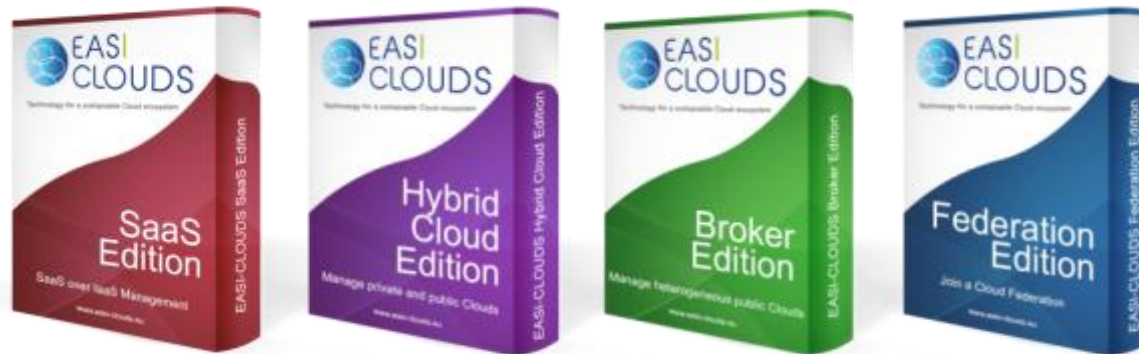
Start date: September 2011

End date: March 2015



Achievements

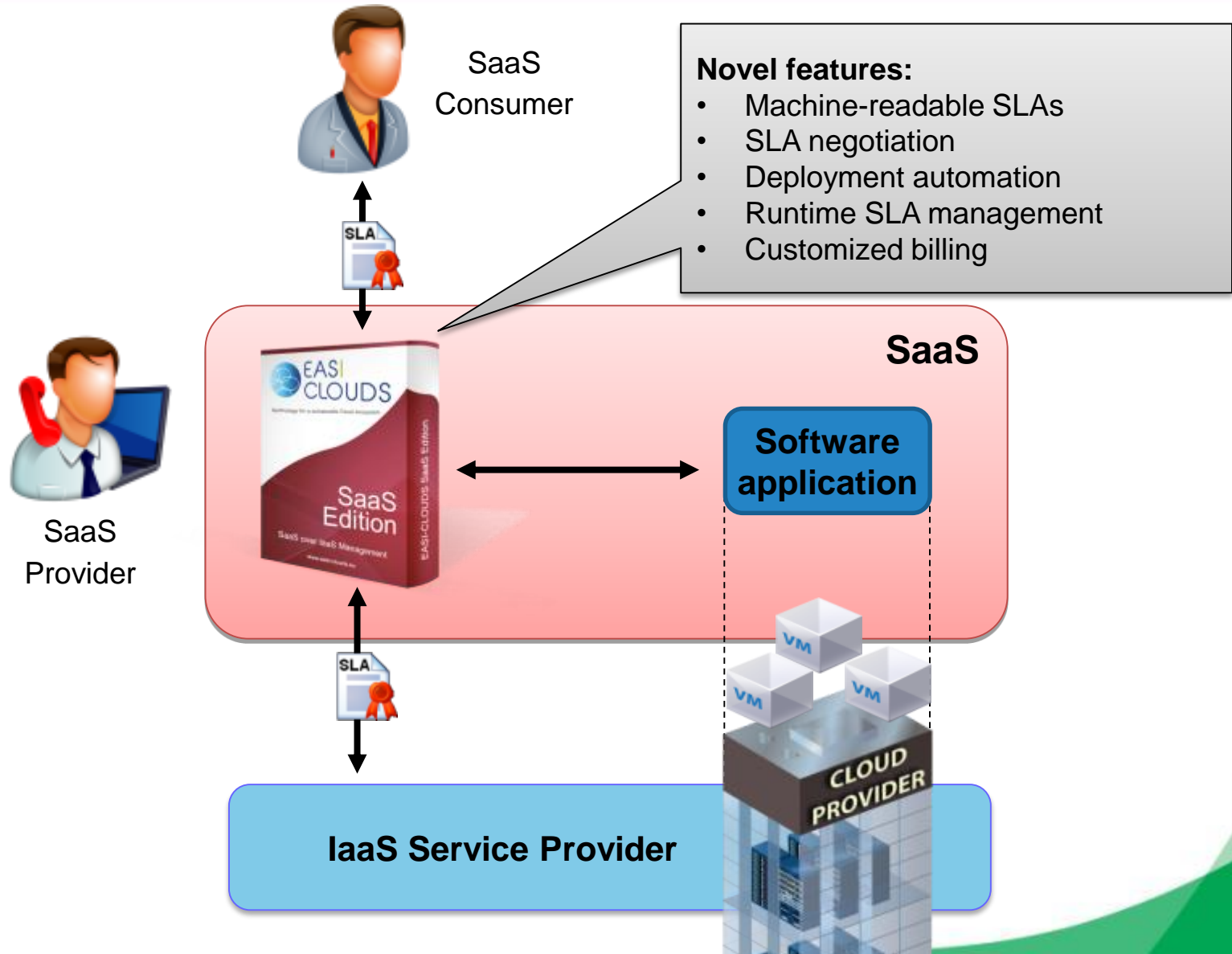
- The EASI-CLOUDS platform, available in 4 editions:



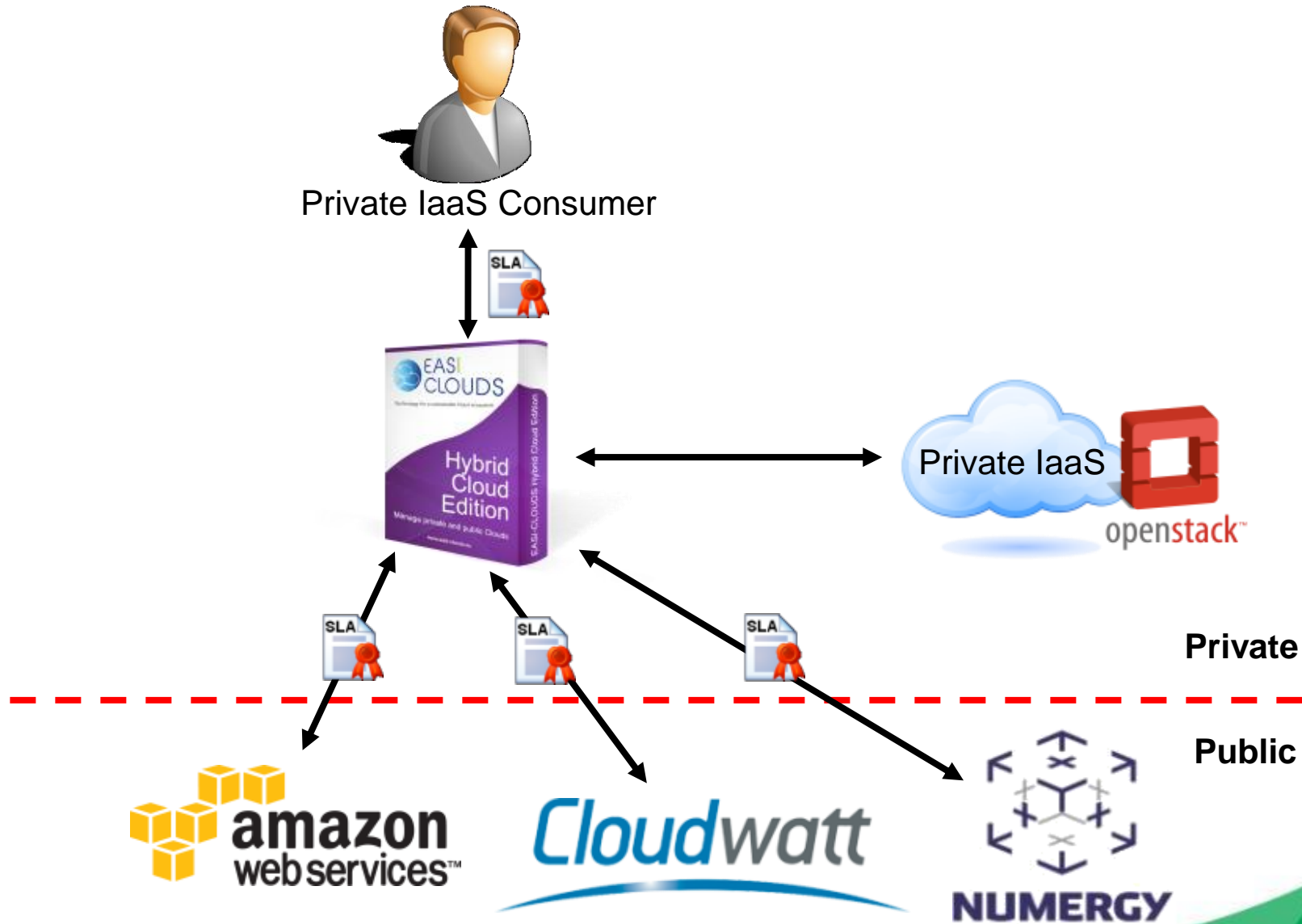
- Added-value services:
 - Cloud development tools
 - Billing as a service
 - Security as a service



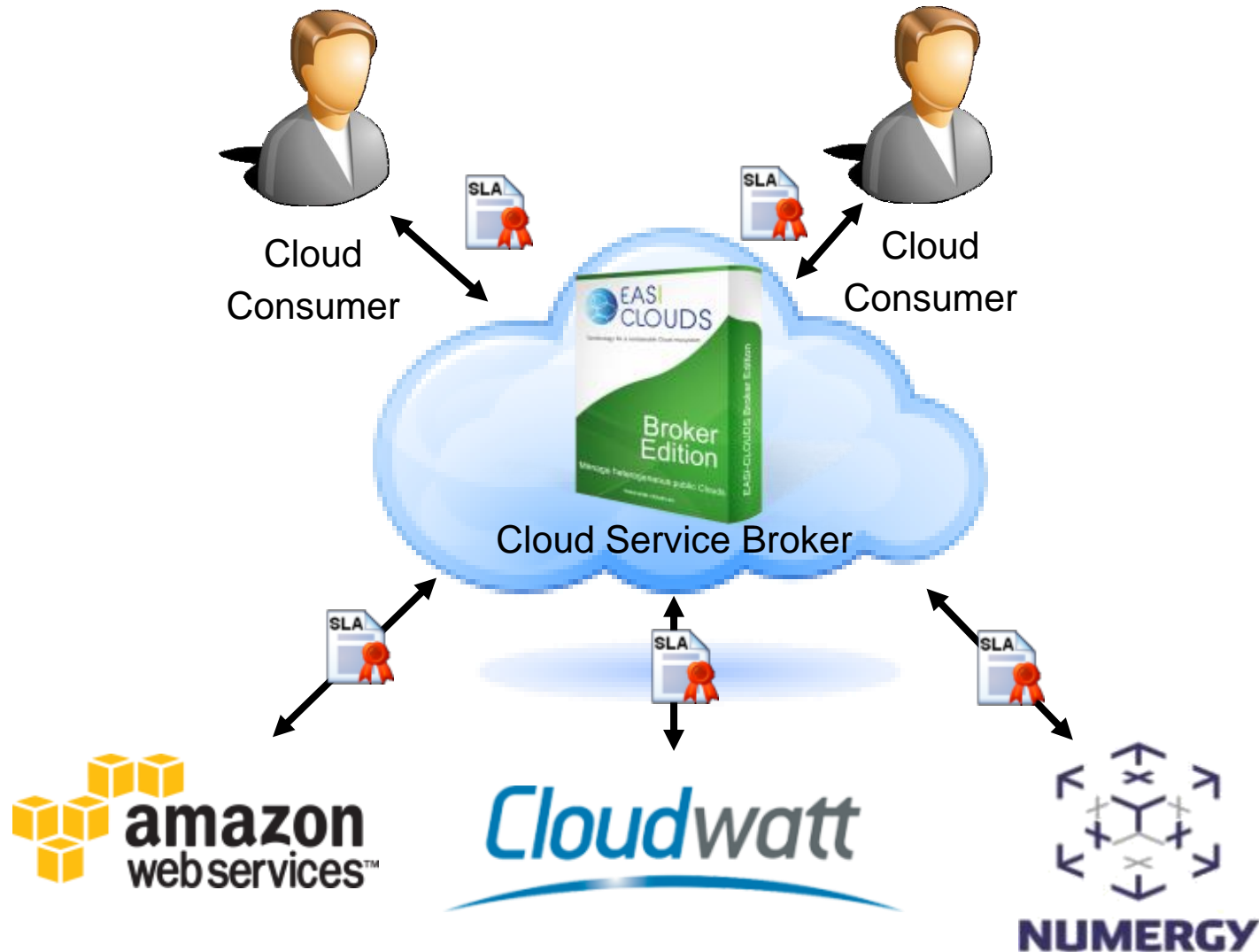
Achievements > Platform > SaaS enabler



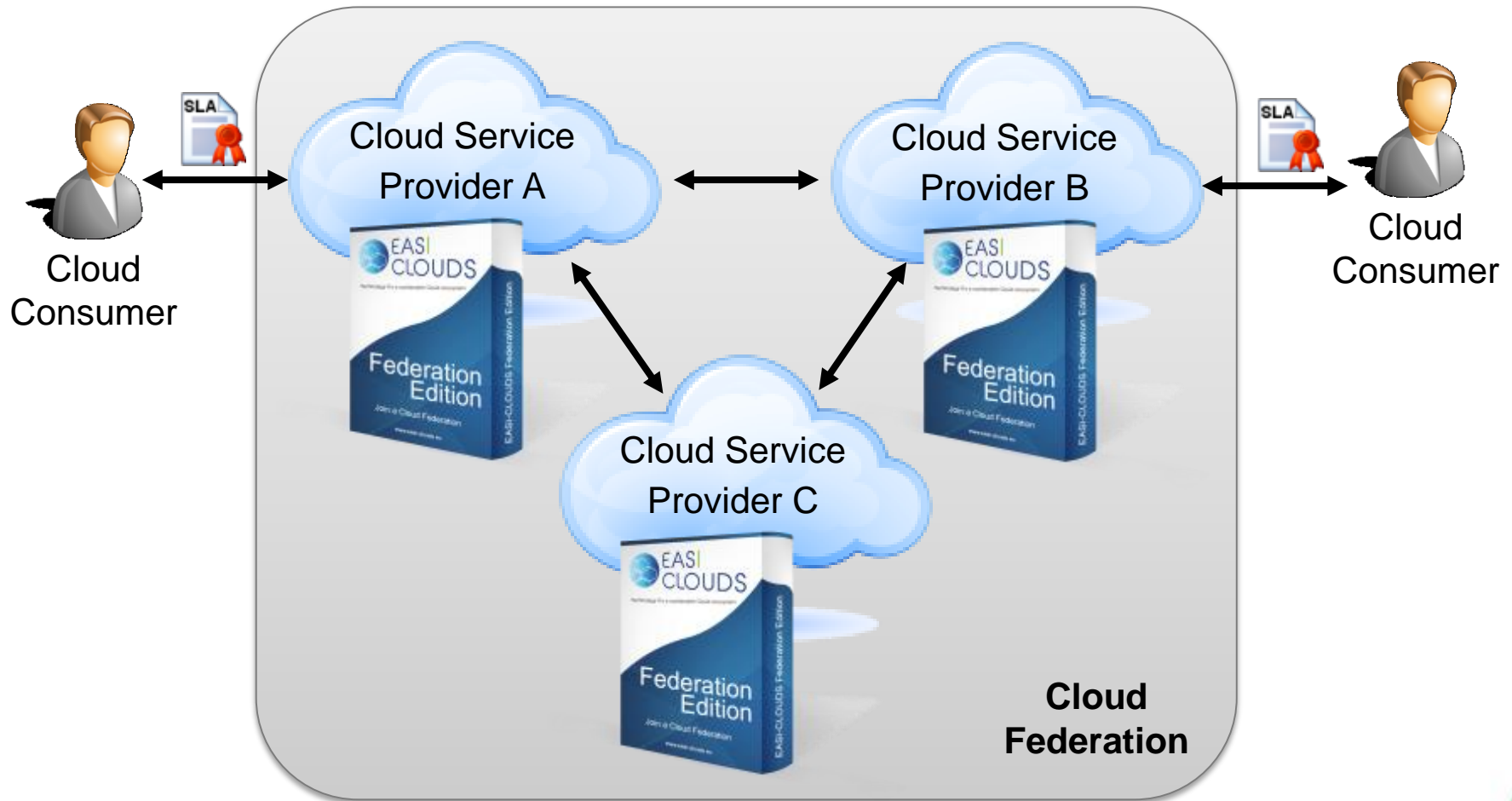
Achievements > Platform > Hybrid Cloud



Achievements > Platform > Cloud Brokerage



Achievements > Platform > Cloud Federation



Use Case 1:

Cloud-based brain image processing



Use Case 2:

On-demand photo stitching



Final media viewer - Kolor

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Kolor - MediaLayer

- Dashboard
- Jobs
- FinalMedias
- Sandbox
- OAuth clients

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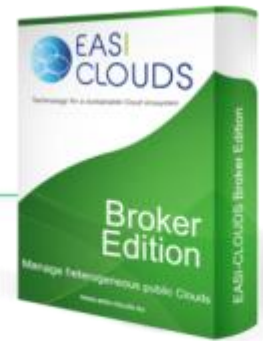
Output Formats

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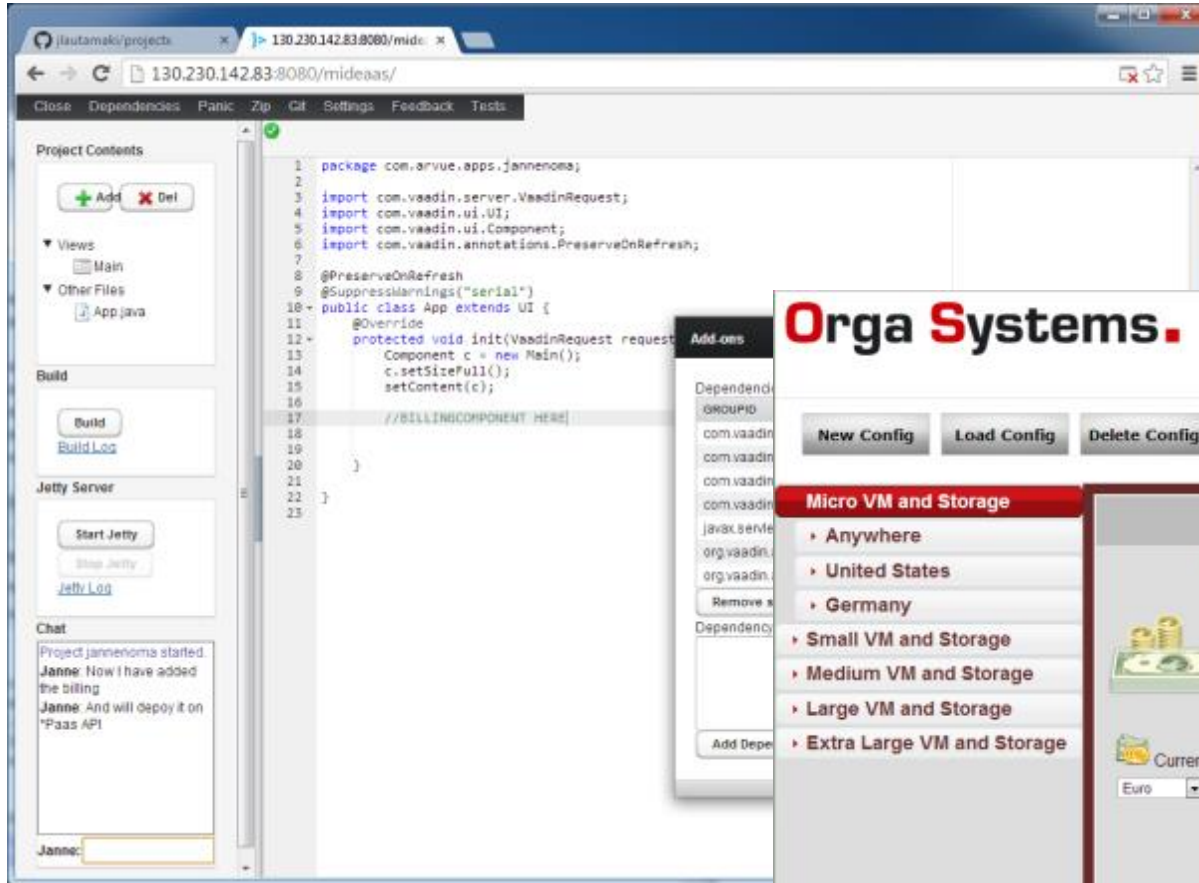
Preview

A 360-degree panoramic view of a modern interior space. The room features bright yellow walls and blue accents. There are several black armchairs, a white coffee table, and a large blue rug. The space is well-lit with large windows and modern lighting fixtures. The overall atmosphere is clean and contemporary.

Use Case 3: Evaluation of game server performance



Use Case 4: Simple development of new cloud services with billing



Several fast exploitation cases

- Orga Systems (DE)
 - New Business Unit Utility established based on results from EASI-CLOUDS and other ITEA projects
- Gearshift Group (FI)
 - Consulted a cloud brokerage firm, promising growth
- SoftwareInLife (KR)
 - Launched csb.io, a cloud marketplace in Korea
- Cloud Orbit & Amenesik (FR)
 - Startups building on the EASI-CLOUDS platform
- Nexedi (FR)
 - Customers testing dynamic CDN technology
- Hexaglobe (FR)
 - New edge computing feature for video on-demand



Involvement of top management



France



THALES

France



Germany



Orga Systems.

Germany



Finland



Egypt



Societal and educational impact

Cloud technologies are new, industry needs skilled professionals!

- Contribution to employability by academia
 - Several PhDs and MSc graduates recruited by industry
 - Enriched university curricula through courses & code camps
- Improved technical and market awareness within companies
 - Internal presentations and workshops
- Dissemination
 - 70+ publications, 30+ conference presentations

Conclusions

- Innovative results in line with the market:
 - An open platform to manage the lifecycle of cloud services
 - Enables varied business models, including cloud brokerage and federation
 - Solutions for billing, cloud development & security
- Concrete exploitation:
 - Several fast exploitation cases (SMEs)
 - Commitment to exploitation from top management (industry)
 - Relevant non-commercial impact (academia)

Thank you for your attention

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