The ARTIST project

A tool-supported method to cloudify applications

Advanced software-based seRvice provisioning and migraTIon of legacy SofTware

Training session

15:00 - 15:30	**ARTIST: an EU-funded project** Ilias Spais (ATC)
15:30 - 16:00	**Model engineering** Javier Troya (TUWIEN)
16:00 - 16:30	**ARTIST methodology** Yosu Gorronogoitia (ATOS)
16:30 - 17:00	**BREAK**
17:00 - 17:30	**Benchmarking process of Cloud Services (DEMO)** Athanasia Evangelinou
17:30 - 18:00	**Reverse and Forward Transformation Chain (DEMO)** Javier Troya (TUWIEN)
18:00 - 18:30	**Exercises**

Objectives of the session

Promote ARTIST project

Get external opinions

Validate our technical approach with experts

Validate the potential adoption by target users

Lets get started….

- Please download

  - bit.ly/artist-project

  - http://www.artist-project.eu/content/soc-summer-school

Identity card

Project name: Advanced software-based seRvice provisioning and migraTIon of legacy Software

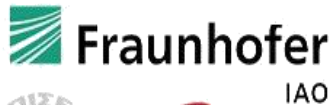**Project type**: IP

Duration: 36 months

Start date: 1 October 2012

Project Consortium: 10 partners (3 third parties)

ARTIST mission

ARTIST aims at **facilitating the modernization of non-cloud software assets and businesses to the cloud**

Communication video

ARTIST motivation (I)

- Actual need for many companies to transform
  - their obsolete apps
  - and old-fashion business models
  - to current market in the cloud

ARTIST motivation (II)

- But…still many drawbacks for them to get it
  - with few risk
  - and limited cost

ARTIST motivation (III)

- Lack of existing offering
  - open source and based on standards
  - considering both business and organizational aspects beyond pure technical ones
  - integrated in IDE, customizable and fostering reusability of code

ARTIST in a Shell

- **Offering**: end-to-end solution that provides the client with the modernized software.
- **Target users**: software owners or consultants
- **Best fit**: modernize several similar applications towards the cloud.
- **Means**: A tool-supported methodology
- **Added value** respect competitors:
  - open source
  - source and target agnostic
  - emphasizes the reuse of work from one project to the next
  - greater cost reductions and shorter cycles.

ARTIST offerings

a **guided and tool-supported process** for modernizing your non-cloud applications;

a **business and technical feasibility analysis tool** to support you in your modernization decisions;

the **modeling, understanding and optimization of your code** for cloud deployment;

a suggestion of the **most suited cloud providers** for deploying and operating your migrated application;

the selection of the **best business model** for your application in the cloud and which organizational changes are required;

a repository of **reusable software artefacts** for future migrations and evolutions;

Expected Impact

Support companies (software providers) in the hard and costly challenge of **modernizing** their applications

Foster the **uptake of cloud** technologies and business models (especially by SMEs) by providing a business and technical end-to-end solution for migration

Reduce the **migration costs** in relation to manual migration

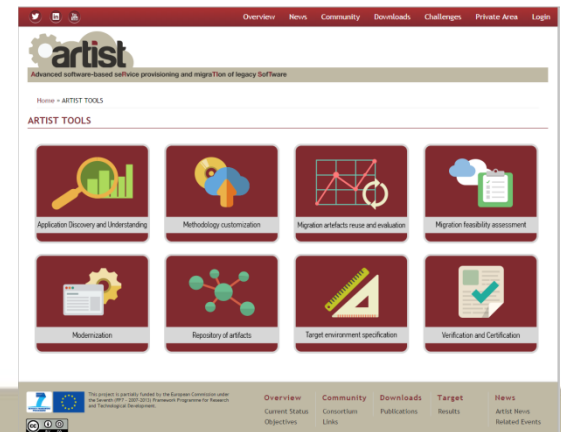Mitigate the **risk** of migration decision previous to migration itself

Allow an **easier evolution** of software with optimal performance and cost

Current status

✓ First Open Source package available: http://www.artist-project.eu/open-source-package
   ✓ Willing to collect contributions and feedback
✓ Second has been released, April 2015: full functionality available
✓ Demonstrators available, June 2015
✓ Final release by September 2015
✓ Has been presented in several major events, likeNet Futures, CLOSER, Cloud World Forum, Eclipse Conference and
✓ MODELS in 2015

The ARTIST Club

- What is??
  - A consortium based initiative to foster collaboration around the results after the conclusion of the grant

- What for???
  - commercial partners will use the club for cross fertilization of opportunities and to pool investment and marketing costs

  - specific actors will specialise in parts of the value chain and establish partnerships with other members

  - provide a transparent and fair decision-making mechanism for the Open Source project

- Key message
  - membership is open to all who wish to help steer the future of ARTIST

Join ARTIST Club to

- Ensure that your interest is represented both in
  - commercial side of software modernization
  - an open source project for research

- Use ARTIST achievements to develop tools according to your interests
  - without relying on third parties

- Be part of an open source software project!!!!

ARTIST in the Social Media

www.artist-project.eu

@ARTISTeu

http://www.youtube.com/channel/UCHpiFKFs8Jbw4cv4EHqrgIQ

http://www.linkedin.com/groups/ARTIST-PROJECT-4836922

Contact information

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The consortium

BACK UP

Opportunities for: Clients

- What kind of clients?
  - those that seek to modernise their legacy applications to the cloud

- What kind of opportunities/benefits?
  - tools based, driven by an end to end customizable methodology
    - individual recommendations for the optimal cloud platform
    - optimisation of the code for the cloud
    - tools for analysing associated business and organisational changes

- Value proposition
  - particularly advantageous for clients with a series of similar modernisation projects

  - through the reuse of patterns from one project to the next, efficiency and consistency are high.

Opportunities for: Providers

- What kind of providers?
  - those that typically offer SW modernisation as part of application portfolio management services (IT consultants)
  - they rely on a raft of tool vendors to provide
    - analysis, application mining, decision frameworks and automated modernisation and migration

- What kind of opportunities/benefits?
  - the state-of-art toolset, the reusability of artefacts, the end-to-end and comprehensive methodology approach
  - free toolset supported by a comprehensive documentation

- Value proposition
  - providers can adopt ARTIST's Open Source tools and integrate them into their offerings

Opportunities for: Researchers

- What kind of researchers?
  - those that are interested in building new application areas on top of innovative features in the cloud computing and sw modernization domains

- What kind of opportunities/benefits?
  - ARTIST results are available as an Open Source project supported by a growing community of developers
  - R&D teams are welcome to collaborate, both using and contributing to the results

- Value proposition
  - a number of directions for future development are identified,
    - model-driven engineering, optimisation patterns, provider benchmarking and feasibility and maturity assessment