



artist

Advanced software-based seRvice
provisioning and migraTion of legacy SoftWare

artist

Unlock the code, release the future!

OVERVIEW

ARTIST is researching the application of model-driven engineering to the migration of non-cloud software to **Cloud** computing platforms.

Once transformed, such applications take full advantage of **Cloud** infrastructures and can be provided as software-as-a-service.

PROJECT OBJECTIVE


ARTIST results will cover the full transformation cycle, providing tools to quantify the feasibility and desirability of migration to the Cloud, a detailed blueprint of the work to be performed, assisted implementation and post-modernisation validation and certification for compliance.

EXPECTED IMPACT



- Support companies (software providers) in the complex and costly challenge of modernizing their applications to the cloud
- 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
- Quantify the risks related to migration prior to taking the decision to migrate
- Allow an easier evolution of software with a balance of performance and cost






ARTIST ASSETS







A tool to characterize the application technology and business model (MAT) accompanied by a Technical Feasibility Tool and a Business Feasibility tool that will provide you hints on potential migration strategies, effort estimation, enterprise simulation of economic indicators and the impact in your organizational process that implies the servitization of a product.




A generic methodology that can be automatically customized for your own project and needs, based on the previous assessment results, thanks to a methodology process tool. This tool will guide you in the different steps (technical, business, process) and will also suggest you which tool is the one to use.



A Cloud Modelling Language based upon CloudML (CloudML@ARTIST) that can be used to model the core characteristics of IaaS and PaaS offerings and can include details regarding service offerings, from a performance, cost and availability point of view.




Models and tools for abstracting and understanding the original software, optimizing the code with modelled cloud features and generating and deploying the modernized software.



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<http://www.artist-project.eu/>

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