# Press Release

**Multi-cloud application DevOps team will soon be able to improve their productivity thanks to H2020 project DECIDE**

Bilbao, Spain, June 2019 – DECIDE is an H2020 research project funded by the European Commission over a period of three years. DECIDE's main objective is to provide a next generation software framework, enabling techniques, tools and mechanisms to design, develop, operate, and dynamically (re-)deploy multi-cloud native applications in a set of reliable, interoperable, and legally compliant cloud services.

Our **partners**, AIMES, ARSYS, HPE, Experis IT, Time.lex, Fraunhofer, CloudBroker and TECNALIA, are from six different countries, representing Northern and Southern Europe. TECNALIA has been entrusted with the leadership of the consortium.

**DECIDE aims to improve the productivity and decrease the time-to market of applications which require high rates of performance and reliability, and applications for which certain legal aspects of the cloud resources where the application is deployed are critical, due to the nature of the managed information.**

The work performed in DECIDE is specifically relevant for the multi-cloud application DevOps teams and Cloud Service Providers (CSP).

**The project has recently released the third version of the individual tools that compose the DECIDE DevOps Framework and these are available on the project's public GitLab repository.** The integrated DECIDE DevOps framework v3.0 will be released in August and this will also be available to be downloaded. The current package includes new and improved functionalities of the following tools:

- **DECIDE ARCHITECT**, which recommends which architectural patterns should be applied in their application to meet the set of non-functional requirements identified,
- **DECIDE OPTIMUS**, which recommends the most appropriate combination of deployment configurations on multiple CSPs for a microservice-based application
- **The Advanced Cloud Service meta-intermediator (ACSmI)**, which enables the automatic contracting of cloud service offerings (mainly VMs, from CSPs including Amazon),
- **DECIDE ADAPT**, which automatically provisions the selected (as recommended by OPTIMUS) multi-cloud infrastructure configuration. It also automatically deploys the microservices of the application on cloud infrastructures such as those of Amazon, ARSYS, and CloudSigma.

Once the application is deployed and running, the DECIDE tools also monitor operational characteristics, such as the availability of both application and the CSPs and alert the DevOps teams if a violation has occurred, re-deploying the application automatically under a new, auto selected configuration. All these tools are integrated in a user-friendly and secure web-based DevOps framework, and their progress and status can be followed through an integrated dashboard. DECIDE ARCHITECT and DECIDE OPTIMUS are also offered through an Eclipse plug-in.

**The current version of the DECIDE tools have been validated in three demanding use cases, a clinical trials application, a high availability application and a blockchain-based energy trading platform. Initial results show potential benefits in the time needed in the selection and contracting of cloud resources as well as in the deployment and operation phase using DECIDE compared to its manual counterpart.**

The final version of the complete DECIDE DevOps framework v3.0 is to be released by August 2019, continuous updates and improvements will follow after that.

## Contact

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