

CLOUDTEAMS

CloudTeams realizes a collaborative software development methodology based on a trusted and secure, cloud-based framework that brings together software development teams and prospective users in a win-win relationship.

CONTEXT AND MOTIVATION

Due to the numerous open source projects and the available cloud-based services (IaaS, PaaS, SaaS), the costs for software development and deployment start to decrease. At the same time, the competition in the software industry increases because of the lower entry barriers. Thus the need to bring software developer teams closer to the customer during the software development process becomes vital for the success of software products.

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CHALLENGE

CloudTeams provides the environment where software teams interact with prospective customers, test their developments and collaboratively develop business models for software solutions. Taking into consideration the need for rapid prototyping, the multidisciplinary of software teams, and the increasing use of cloud-based deployment environments, CloudTeams integrates the tools and interfaces in one overall platform to speed up the development process itself.

SOLUTION

CloudTeams realizes a collaborative software development platform to support both software teams and end users:

A. Developer teams are provided with the necessary tools, unified under a simple, meaningful platform for collaboration with customers.

B. Prospective users upload, sync, and manage their personal data and interests and allow CloudTeams to analyze and represent their activity. This enables software teams to find reliable end users to co-develop better software solutions under several reward offers.

The CloudTeams platform is the interface of software development teams to collaborate and manage the whole development process. It enables teams to connect their third party Web services, setup a software development project, build the prototype, and deploy the solution with cloud hosting services.

Complementarily, the platform provides a software project management component that integrates existing services for task allocation, a testing and trust framework to ensure that the user requirements are met, and an analytics framework that identifies common user profiles to support decisions made by software teams. In parallel, users can subscribe to projects, provide direct feedback, and interact with software teams.

AT A GLANCE

PROJECT TITLE

CloudTeams - Collaborative Software Development Framework based on a Trusted, Secure Cloud-based Pool of Users

PROJECT COORDINATOR

Fraunhofer Institute for Applied Information Technology - FIT (DE), Prof. Wolfgang Prinz, PhD

PARTNERS

National Technical University of Athens - NTUA (GR), Forschungszentrum Informatik - FZI (DE), SingularLogic - SILO (GR), Yazilim Sanayicileri Dernegi - YASAD (TR), Booreiland - BOOR (NL)

PROJECT NUMBER

644617

TOTAL COSTS

€2,088,851.61

DURATION

24 months

EC CONTRIBUTION

€1,892,881.00

PROGRAMME

ICT-07-2014 - Advanced Cloud Infrastructures and Services

WEBSITE

www.cloudteams.eu

The CloudTeams user community is a sustainable community of users who control their data across different third-party services and provide information on their activity through their anonymous avatars to the development teams at any stage of the software development cycle, ranging from idea generation to testing a final product.

The CloudTeams platform promotes participation of end-users in the different stages of the software life cycle by employing community-building practices, such as sharing, rating and commenting, but also by striking up competition through publishing the achievements of the most active users. CloudTeams introduces an award system for giving different types of incentives, as well as a gamification engine for popular projects and inspirational users.

VALIDATION AND RESULTS ASSESSMENT

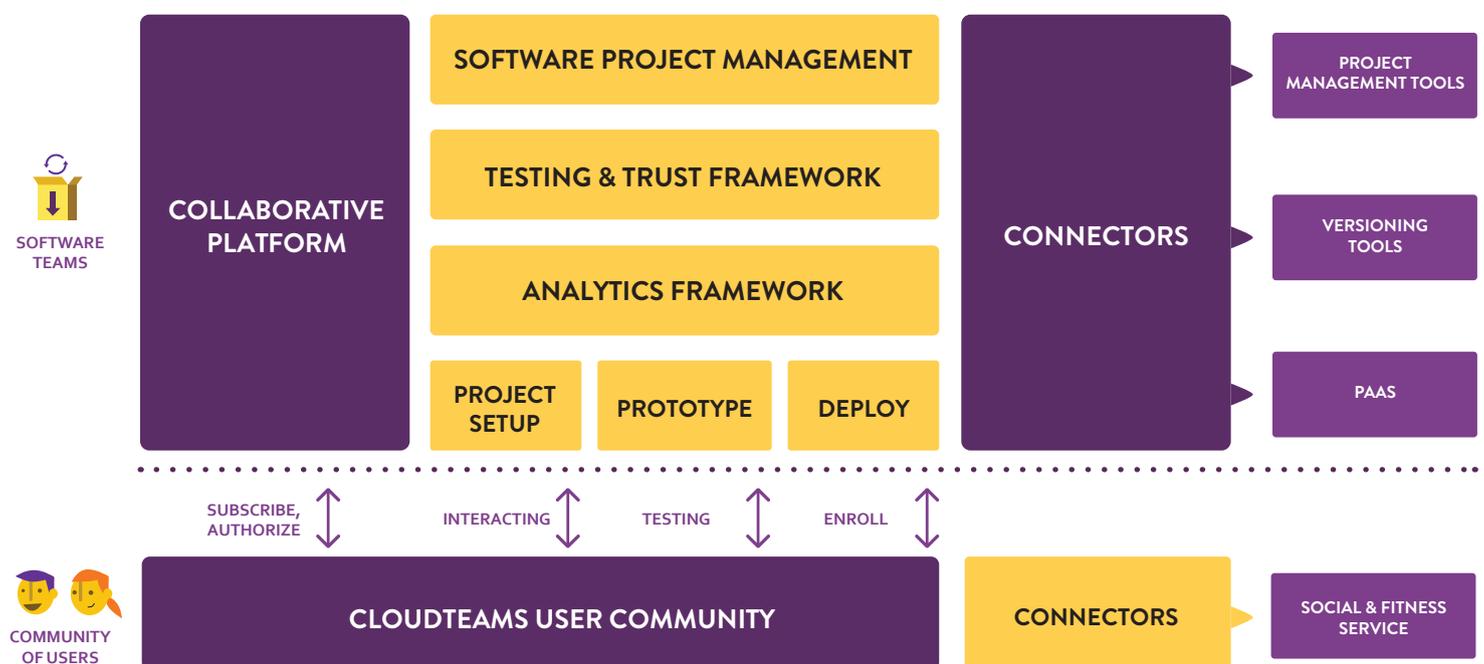
In established businesses CloudTeams will run at least two cases in the context of SILO's products and YASAD's members, to show the power of the project on well established companies, with common software cycles. It will show the impact of tools on boosting innovation, building a user community, increasing acceptance and customer value through the process.

CloudTeams in growing businesses will collaborate with YASAD's members and well established startup organizations, to test its impact and value in software teams that look for establishing their business models and look for new products.

EXPECTED IMPACT

CloudTeams brings together all stakeholders involved in the value chain of developing commercially viable software tools and platforms. Carefully orchestrated showcases highlight the soundness and the technological and business potential of the proposed concepts, tools, and services. With regards to its business impact, CloudTeams has a two-fold focus and a clear view and strategy of how this impact will be brought across:

1. CloudTeams improves the innovation capacity and the integration of new knowledge to strengthen the competitiveness and growth of companies by developing innovative solutions and by meeting the needs of European and global markets. CloudTeams aims to actively involve the customers, who constitute the most significant stakeholders in this value chain.
2. CloudTeams promotes the adoption of the developed approach as a next-generation software engineering methodology, through intense dissemination of the project's outcomes towards targeted stakeholders, reaching out to international audiences within and beyond EU.



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