

TAS³

Trusted Architecture for Securely Shared Services



What is TAS³?

The TAS³ Integrated FP7 Project (Trusted Architecture for Securely Shared Services) aims to have a worldwide impact on how personal information is used in online applications.

Sharing personal data which is generated and accumulated throughout an individual's life is increasingly becoming part of online existence. Personal data can be collected as a result of monitoring behaviour (e.g. the use of loyalty cards) or through voluntary sharing (e.g. via social network sites): it is stored in distributed locations and can be used in a multitude of business processes.

The aim of TAS³ is to place the individual at the centre of this emerging pattern of use. The project is developing a dependable, user-centric Trust and Security architecture that offers a safe and secure environment for the exchange and re-use of personal data. TAS³ offers a generic and scalable solution to:

- User and Service Provider authentication and credential management
- Establishing trust between Users, Information Repositories and Service Providers
- Compliance with national Data Protection policies
- Transparency of Business Processes
- Complete user monitoring and notification of personal data use

By putting the individual in control, we will empower citizens to see and mandate who can use their data and for what purpose. This is ever more important in a world where people are increasingly concerned about their personal information leaking into the public domain. Users will be able to set and manage policies which determine how their data is used, and service providers will be accountable for breaches of trust within the TAS³ network.

Project outputs are being demonstrated in two different domains, through three sets of pilots running in employability and healthcare in the UK, the Netherlands and Belgium.



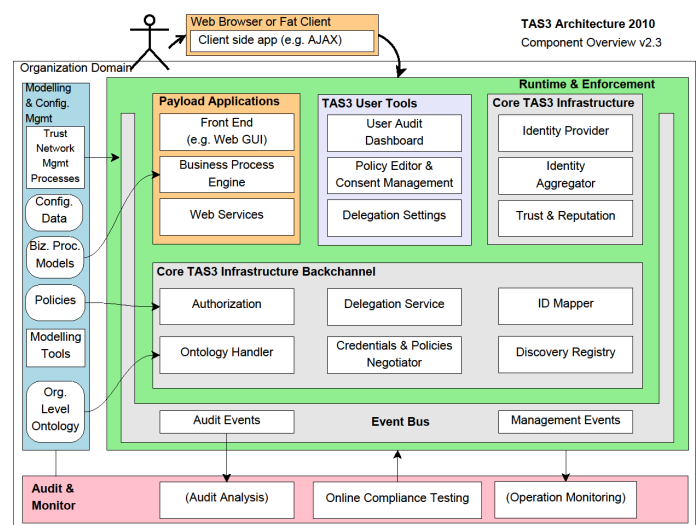
Who else is involved?

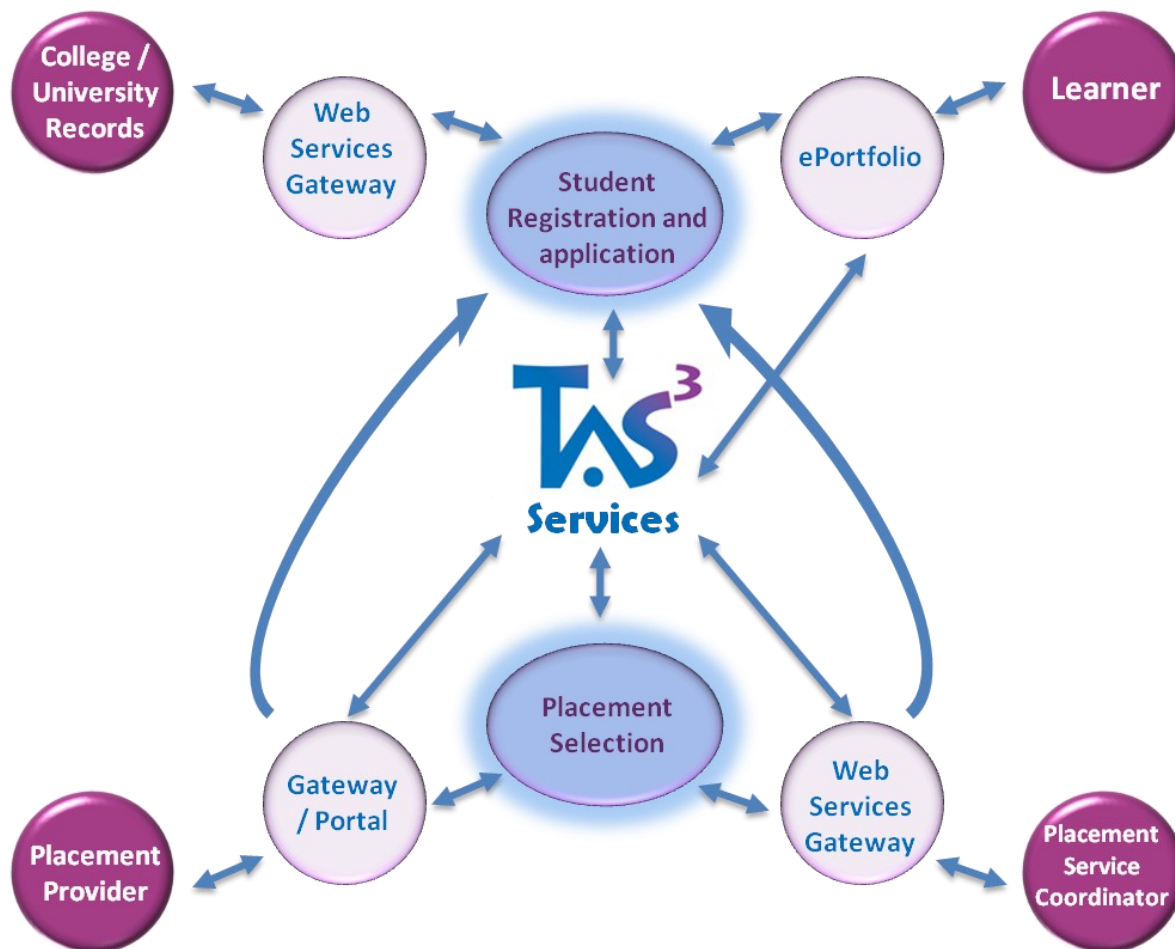
18 partners from across the EU, including global companies, small and medium sized enterprises and a multi-disciplinary but complementary array of academic institutions. We are also building an Associate Partners network.

What is the Centre's role?

The Centre is responsible for running the UK employability demonstrator. Our focus is on secure and reliable data exchange to support graduate employability via work placements.

We are also developing core services in the trust network that provide auditing and user/service provider integration into the trust network.





Our piloting activity is focusing on two main processes, allowing secure interaction between systems (see diagram above). Learners' personal data is used for matching to placement opportunities over a secure and trusted network. Learners can control and monitor how their data has been used, while service providers benefit from access to richer data to match individuals to available positions.

As the project develops, further pilots will extend this network to include more complex trust negotiations within an evolving ecosystem of service providers.

In addition to demonstrator work, Centre technical staff are also contributing directly to the specification and development of the TAS³ architecture, and components.

Who are we?

The University of Nottingham Centre for International ePortfolio Development (ClePD) is funded by JISC, the EU and others to carry out research and implementation projects into supporting learning, transition into HE and FE, Widening Participation, employability and Information Advice and Guidance (IAG) through ePortfolios and web service interoperability. The Centre has been involved in development and trialling of data standards in an educational context since 2006.

We work with a large number of regional partners including Connexions, schools and colleges, other universities, Lifelong Learning Networks, employers and national agencies.

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References:

www.nottingham.ac.uk/eportfolio/tas3/index.shtml

www.tas3.eu