Overview

- SEMIRAMIS Project
- Goals and Project Phases
- Scenarios and Use Cases
- Technologies
- Expected Results
SEMIRAMIS Project

- SEMIRAMIS - Secure Management of Information across Multiple Stakeholders

- 9 Partners
  - Companies: Atos Origin, Engineering Ingegneria Informatica, Portugal Telecom, Postecom, Polska Telefonia
  - Public Institutions: University of Stuttgart, University of Murcia, Ceuti City Council

- Duration: 30 months
- Start: 10.03.2010

- ICT Policy Support Programme (PSP)
Goals and Project Phases

- **Infrastructure for e-services**
- **Enabling secure access to data across organisations**
  - Public and private organisations – telco, university, town hall…
  - Governmental representatives and citizens (and students)

- **Project Phases**
  1. Inception: Scenarios and Use Cases, Architecture
  2. Elaboration: Specification, Design
  3. Construction: Integration, Development, Monitoring
  4. Production: Pilot
  5. Transition (to service)
Goals and Project Phases

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Scenarios and Use Cases

- **Scenario 1: „e-Doc Services for Citizens“**
  - Citizen moving to another country, for a longer period of time

- **Scenario 2: „Roaming Student“**
  - Student moving to another country to study abroad

- **Scenario 3: „Tax Inspector“**
Scenarios and Use Cases

- **Scenario 1: „e-Doc Services for Citizens“**
  - **Job Hunting**: A citizen wants to apply at a company in a foreign country and therefore data about his previous work is transferred from his previous company.
  - **Public Education Access**: A citizen wants to register his child at a public school in a foreign country, therefore data such as family information and academic information has to be exchanged.
  - **Telco Services**: A citizen wants to get telco services in a foreign country, provided by a telco in that country, but using data from his home country.
  - **Certificate of Residence**: A Citizen needs a CoR from the foreign country he moved to, and therefore needs a CoR from his home country where he came from.
Scenarios and Use Cases

■ **Scenario 2: „Roaming Student“**

■ **Matriculation:** A student wants to study at a foreign university and applies using his home university account and by transferring data about him/her.

■ **Apply for Courses:** The student has been matriculated and wants to apply for courses, but those have preconditions, therefore data about his studies is to be transmitted.

■ **Request Communication Services:** A student wants the same services as at home – service profile from home telco, but now from foreign telco.

■ **Economic Aid:** A student studies at a foreign university and wants to apply for economic aid in his home country.
Scenarios and Use Cases

- Scenario 3: „Tax Inspector“
  - Request Certificate of Residence: A person (suspect) claims to live in another country – contact the town in that country and ask for certificate of residence.
  - Request Criminal Information: Similar to above, but requesting information from different (maybe multiple) sources

- Probably in cooperation with Finance Ministry of Baden-Württemberg
- Access to user data not by the citizen himself but by lawful interception
- Realisation is optional
Technologies

SEMIRAMIS builds on:

- Identity Federation, SAML 2, OAuth
- eID, national authentication mechanisms
- Existing infrastructures: eduGAIN, eduroam
- Outcomes of projects: STORK, DAMe, SWIFT
- Existing tools and products:
  - IDEAS – identity and role management
  - WebRAO – PKI based certificate services
  - RIGER – compliance and auditing
Expected Results

- **Public Deliverables**
  - Esp. „Overall Architecture“ (Nov. 2010)

- **Pilot**
  - Realising the SEMIRAMIS architecture
  - Enabling selected use cases of the 3 scenarios
  - Cross-border and cross-organisational
  - One year operation
  - Monitoring, continuous evaluation and improvement
  - Real users
Secure Management of Information across multiple Stakeholders

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