



Large Scale Authentication Architecture

White Paper and Pilot

www.trustindigtallife.eu

TDL | Trust in
Digital
Life

Trust in Digital Life shared vision

*Trust in Digital Life is a **challenging ecosystem** bringing **tangible trust** in digital services supporting new ways of living and working. Trust will become an intrinsic property of any transaction. People should be able to recognize trustworthy services, transactions and data.*

TDL Promise 4 step action plan

1. Consumer and industry needs

TDL bundles multidisciplinary and cross-sectoral expertise and provides knowledge via public and industry debates

2. Challenging Strategic Research and Innovation Agenda

Reference platforms and architectures, user stories, use cases, white papers and research questions until 2020

3. Innovation project portfolio

Short and long term projects on the innovation lines: Trusted Stack, Service Integrity, Data life cycle management

4. Short term pilot projects

Applied research & test bed focusing on the introduction of innovative solutions in consumer domains.
Taking away barriers, creating trust and awareness through tangible trust/health indicators

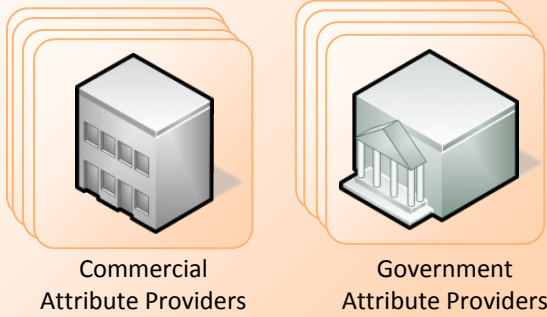
- Introduction
- **Identity Architecture Principles**
 1. Composable Architecture
 2. Technology and Standards evolution
 3. Attributes remain with the owner of the data
 4. User Consent
 5. Privacy
 6. Correctness and accountability

Storyline

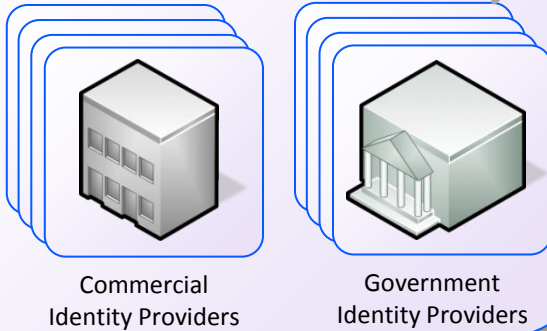
- Introduction
- Identity Architecture Principles
- Claims-based Application Architecture
- **Architecture**
 - Learn about the different components of the architecture
 - And how these components interact with each other
 - See the huge opportunity to turn legacy systems into components of the architecture as e.g. Attribute Providers

Trust Framework Provider

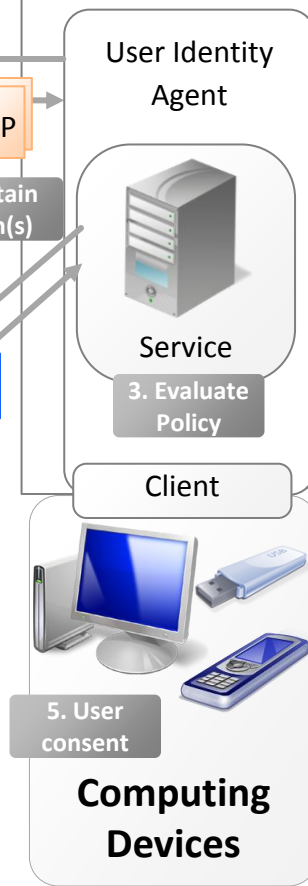
Attribute Providers



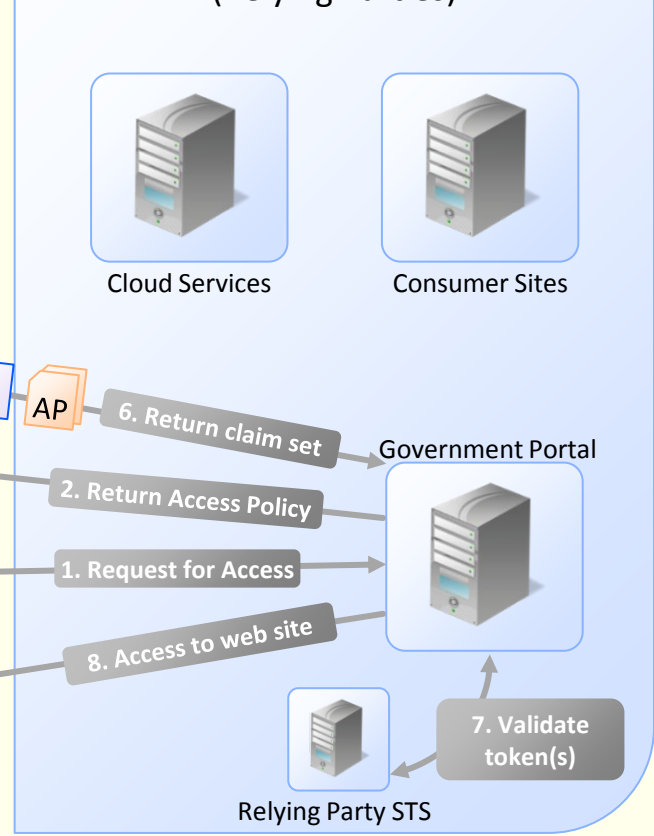
Identity Providers



User Identity Agent Provider



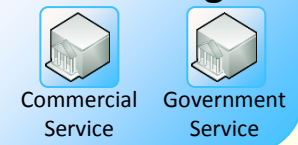
Service Providers (Relying Parties)



Online

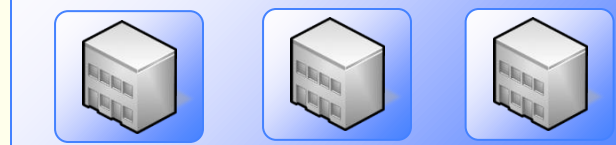
Physical World

Identity "Proofing"



User

Authentication Device Providers



IP

AP

4. Obtain token(s)

IP

IP

AP

6. Return claim set

2. Return Access Policy

1. Request for Access

8. Access to web site

7. Validate token(s)

5. User consent

TDL Authentication & Cybercrime Pilot

- Hybrid: Mixing public sector credentials/services with public sector
- Build the infrastructure and validation with user groups
 - Usability of identity, privacy and security
- State of the Art authentication infrastructure
- Innovative cybercrime concepts
 - How can we be sure of the identity when the device is unhealthy?
 - Produce Device Health Claims
- Project is kicked-off
- Several “sprints” add new capabilities to the infrastructure
- [Ronny.Bjones ->microsoft.com](mailto:Ronny.Bjones@microsoft.com) to join the project