

.SE Identity Federation

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.SE

- .SE (The Internet Infrastructure Foundation) is a non-profit organisation responsible for the Swedish Internet top level domain .se.
- .SE also manages the Alternative Dispute Resolution (ADR) process for .se domain names and the ENUM registry for +46.

The .SE Registry

- Today
 - Single registrar with proxy registration.
- Next year
 - Migration towards a registry-registrar model.
 - .SE itself will host a registrar.

DNSSEC

- .SE was the first TLD to deploy DNSSEC in September 2005.
- DNSSEC has introduced new requirements for the registry:
 - user authentication
 - data integrity

KEYMAN

The DNSSEC Key Manager

- KEYMAN is our registry interface used for early DNSSEC adopters.
- Authenticates users using TLS with client certificates.
- Self-serviced user enrollment with manual identity verification – does not scale...

.SE Domain Manager

- Web interface for domain administration
- Authenticates users using:
 - customer ID and password
 - the .SE identity federation

The Federation

- Initially a single internal identity provider authenticating using TLS with client certificates
 - CAcert
 - Thawte Personal
- In the future we might add others, such as
 - Swedish eID (Telia, Nordea, BankID)
 - SWAMID

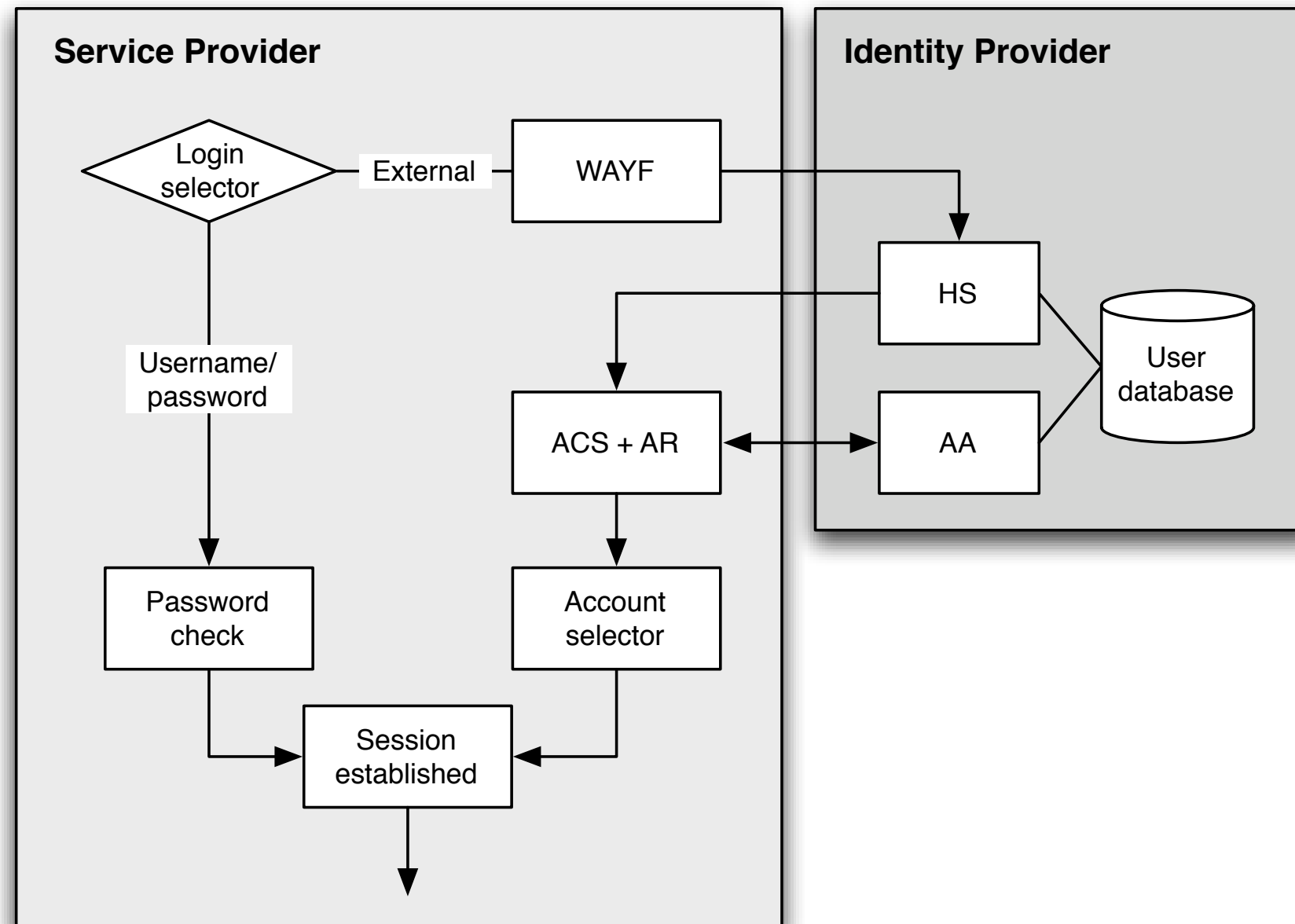
User Identification

- Users identified by IdP & Unique Identifier
 - cacert:user@example.com
 - telia:200609195583
 - swamid:user@example.com
- The user chooses which IdP to trust.

Implementation

- Domain Manager (SEserv) written in PERL
- We'll add our own SP (WAYF, ACS & AR)
- Internal IdP most likely based on Shibboleth

Simple Overview



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