

Scenario Planning and Reporting: AAI

Paul Millar

A quick introduction

Disclaimer: I'm skipping over many of the details ...

"It's been a **global effort**, a global success. It has only been possible because of the extraordinary achievements of the experiments, infrastructure and the **grid computing**."

Rolf Heuer, the Director General of CERN



Typical user reaction to X.509 (client) certificates



Why Federated Identity?

What they ~~wants~~ is used to:



Why Federated Identity?

Why this doesn't work:



Why Federated Identity?

Federated Identity allows users to reuse their password safely...



... and finding out who just authenticated

Why Federated Identity?

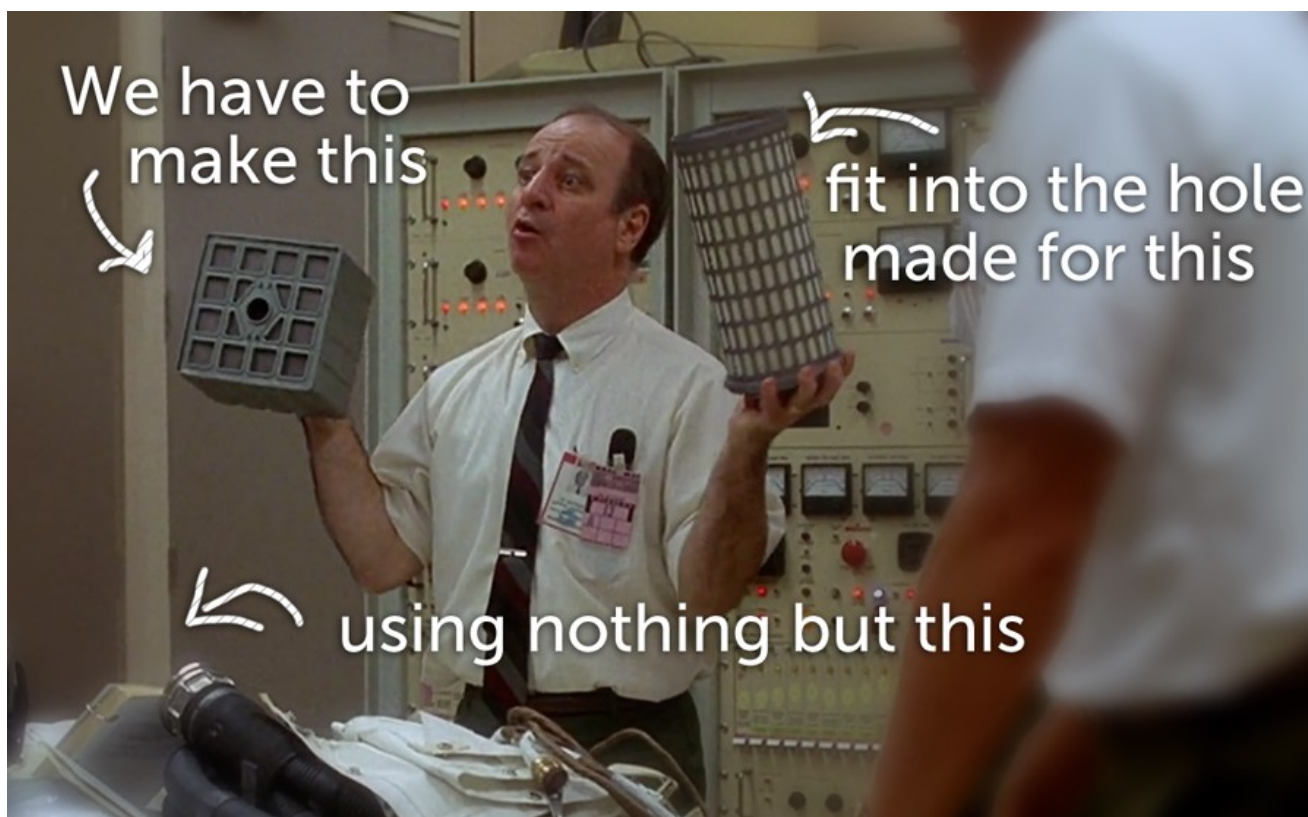
EGI FedCloud is (currently) using X.509 for authentication



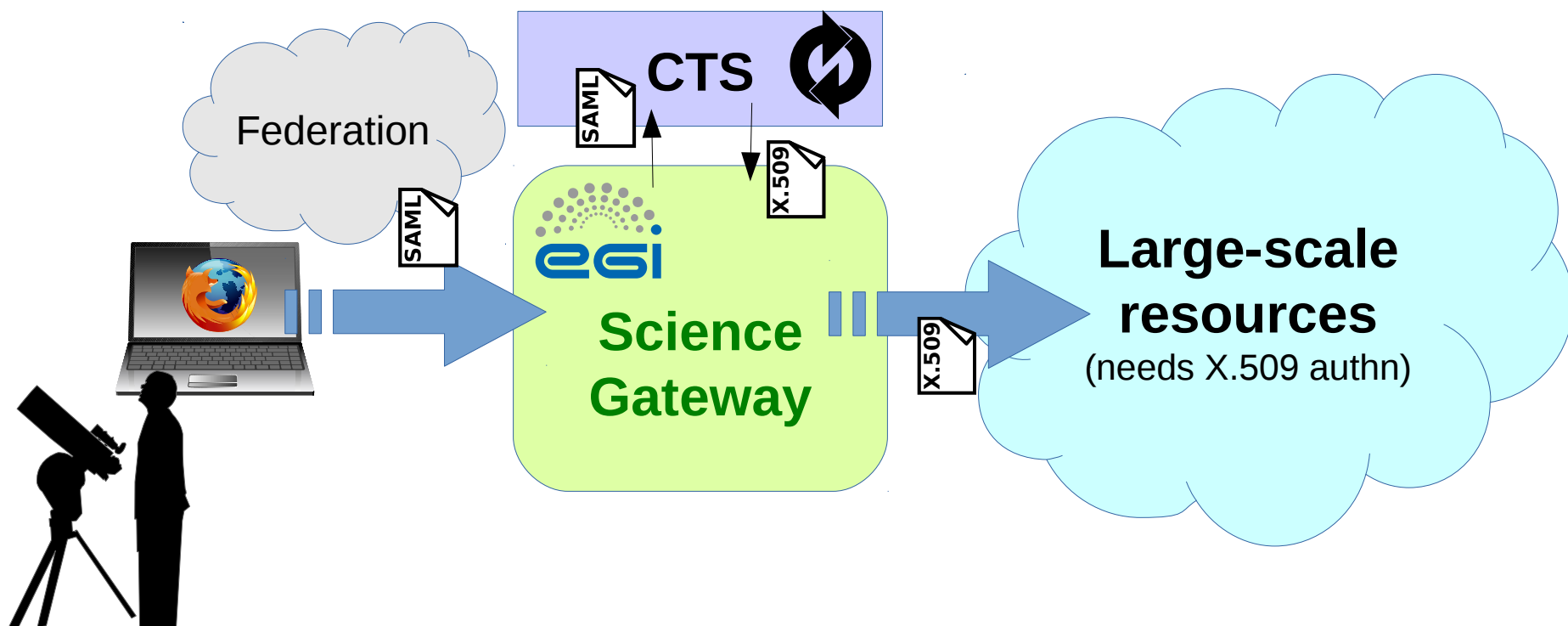
Unfortunately SAML is not compatible with X.509

Why Federated Identity?

We want SAML to work with X.509



Why Federated Identity?



Menu: today's specials...

- Diego: the FedCloud AAI survey
- David: Evolving Assurance – going where?
- David: Security Response
- Peter: “The Future” – the EGI AAI Pilot and AARC
- Diego: “The here and now” – per-user sub-proxies

- Discussion per-user sub-proxies – next steps

Danger: scary details ahead!

Backup slides

Federated Identity



Check who you are
&
Authorisation decision

Check who you are



Identity Provider (IdP)



Record information



Assertion

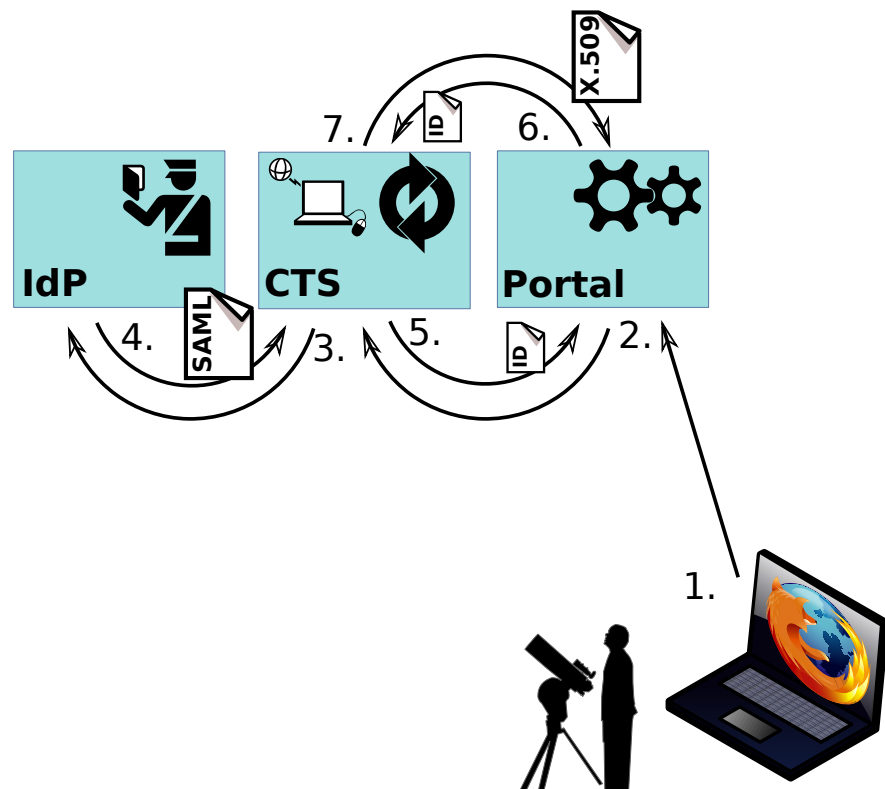
Authorisation decision



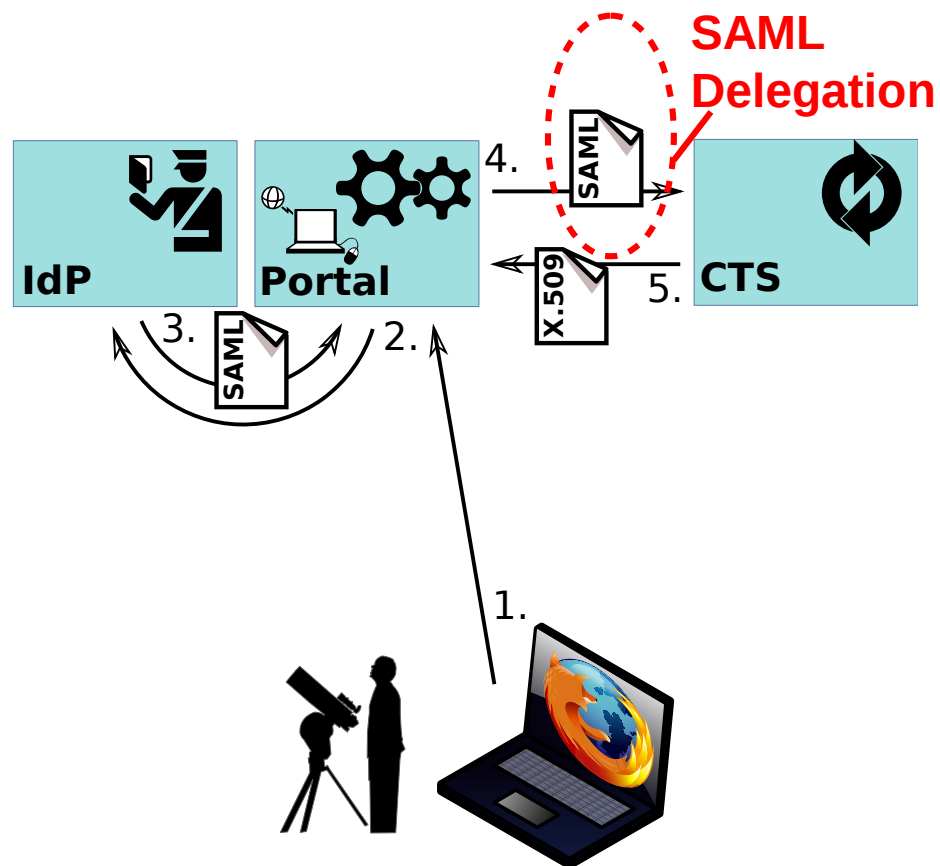
Service Provider (SP)



Types of cred-translation

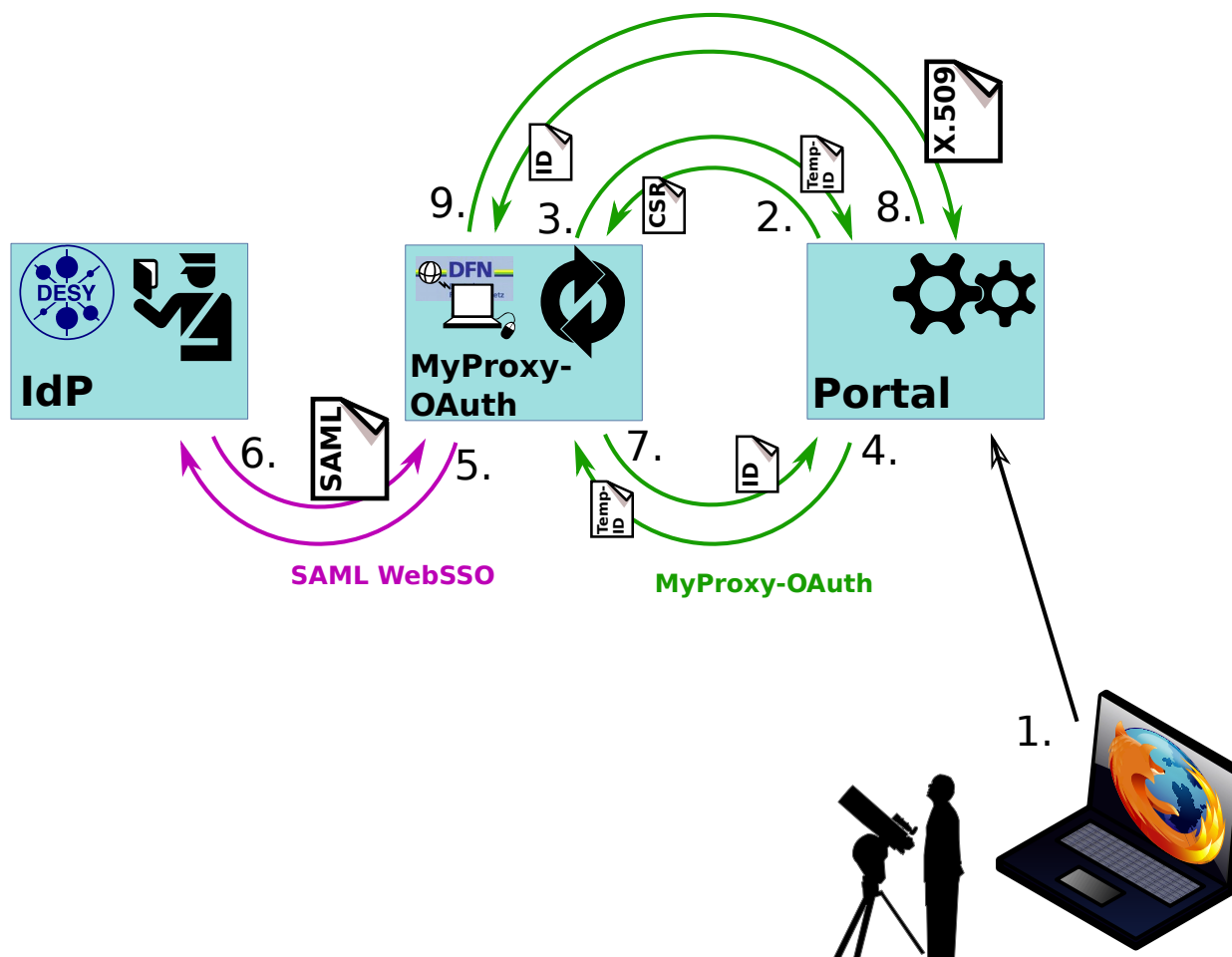


in-band



out-of-band

Types of cred-translation



Types of cred-translation

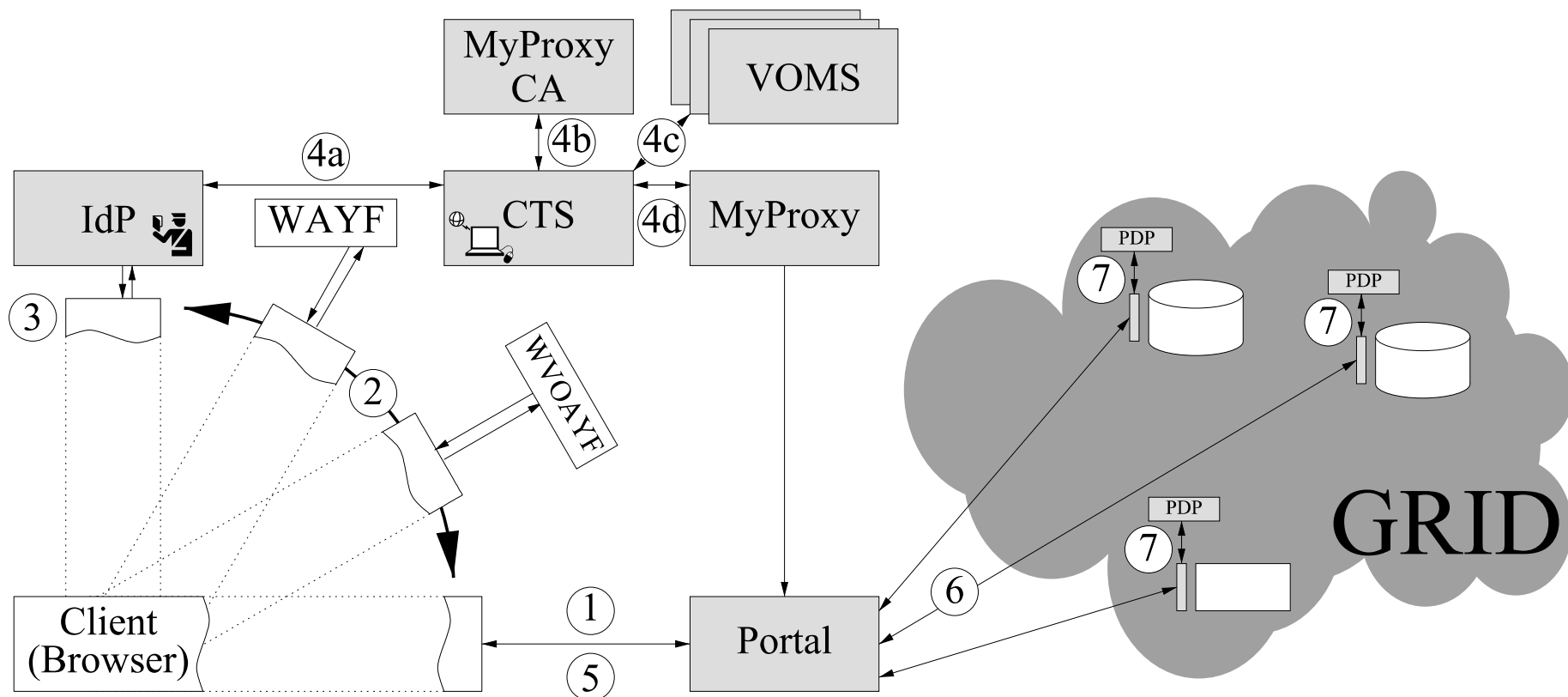


Diagram stolen from http://pos.sissa.it/archive/conferences/162/150/EGICF12-EMITC2_150.pdf