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Federated Identity Management

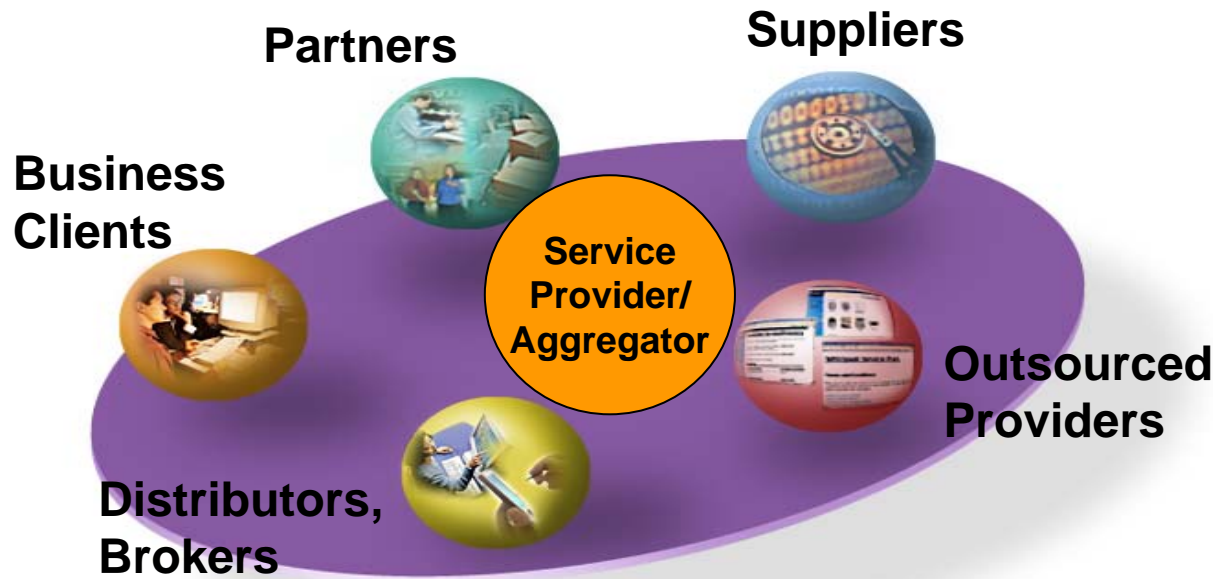
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Problem: Ineffective Identity Management



1. Today, companies have no way to “trust” identities belonging to their partners, suppliers, contracts and their outsourcers
2. Lack of trust means companies end-up creating online identities (and passwords) for all users
3. This approach is very costly, inefficient & creates user frustration with multiple accounts and registrations for each Web Site

Federation and Federated Identity Management

A **federation** is a state comprised of a number of *self-governing* regions...
A federation is also an organisation, such as a trade union or *business*,
with a structure analogous to that of a federal state.

[Source: Wikipedia]

A **federation** is a group of two or more trusted business partners with **business and technical agreements** which allow a user from one federation partner (participating company) to seamlessly access resources from another partner in a **secure** and **trustworthy** manner.

Evolution....NOT a Revolution - concept is nothing new

CREDIT CARD
STATE DRIVER LICENSE
PASSPORT



Governments as Identity Federation Partners

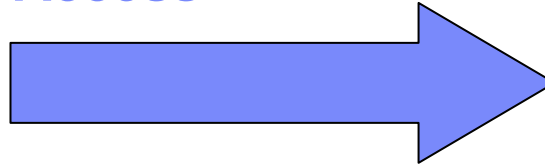


US Citizen =
User



USA =
Identity Provider

TRUST provides
Access



Germany =
Service Provider

When a US citizen travels to Germany, Germany verifies the identity of the US citizen by checking its passport. In the online world, we don't have federation. We refer to Germany as a **Service Provider**. A "service provider" is one that "**TRUSTS**" an identification from an **Identity Provider** (USA), as proof of Identity.

Federated Identity Management

... from a business point of view:

- Federated Identity Management is the set of **business agreements, technical agreements and policies** that enable companies to partner to lower their overall identity management costs and improve user experience.

... from a technology point of view:

- User session lifecycle management
 - Single-sign-on, access control, single-sign-off
 - Identity mapping across partners
 - User information exchange
- Identity lifecycle management
 - Provisioning of users and linking of user identities
- Requires a Trust Infrastructure
 - Enables the on-line equivalent of real-world business relationships
- Enables secure application interaction
 - Users/applications are able to securely access business partner resources in a trustworthy manner

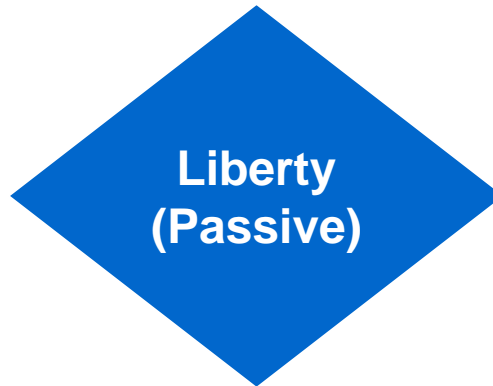


Technology, Standards and Specifications

HTTP SSO
(SAML protocol)

Identity Federation Mgt
(SAML protocol)

ID Management for
Federated Web Services
(HTTP and SOAP-based SSO)



Support for various
Web Services protocols





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A FIM Example

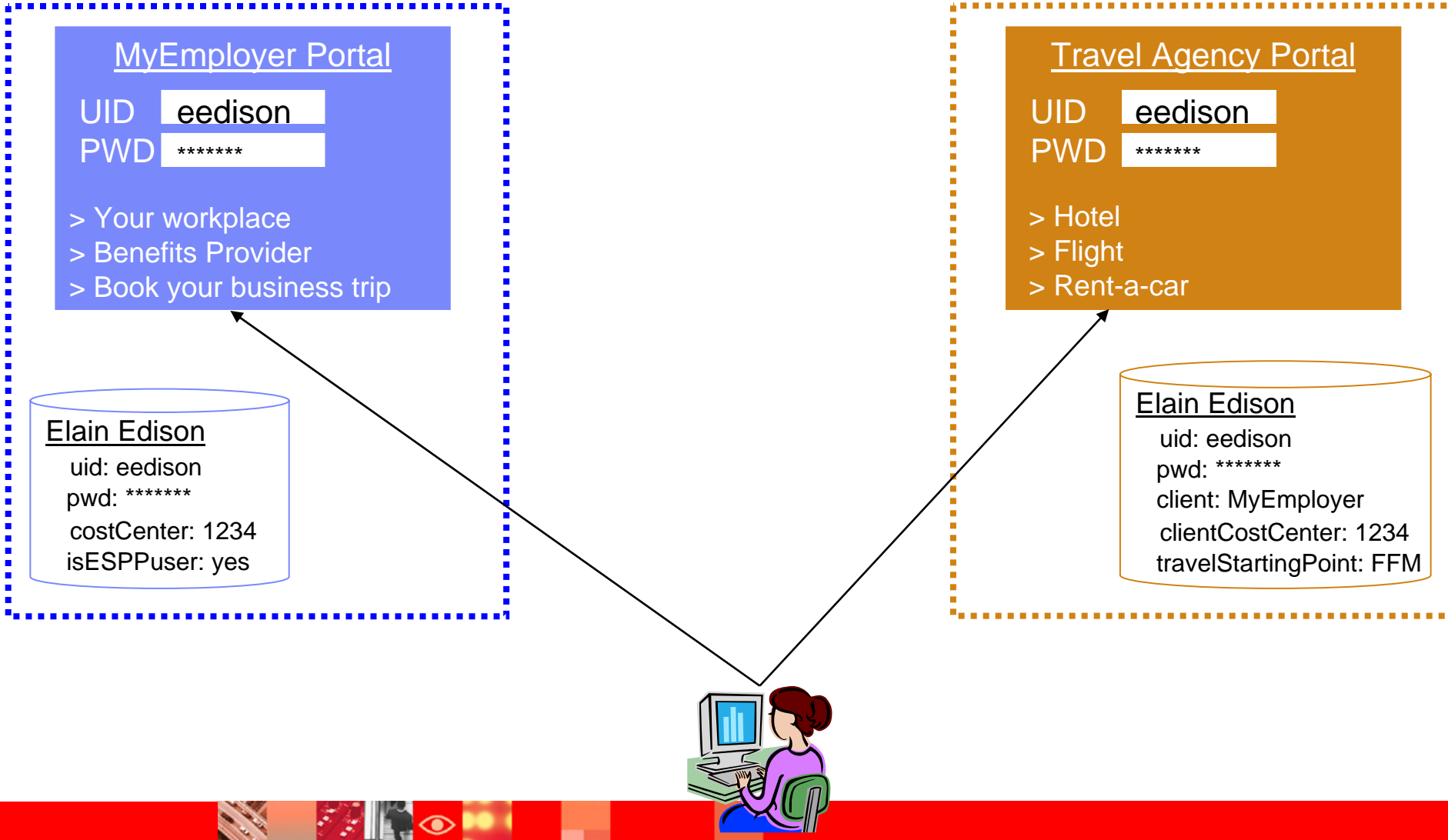
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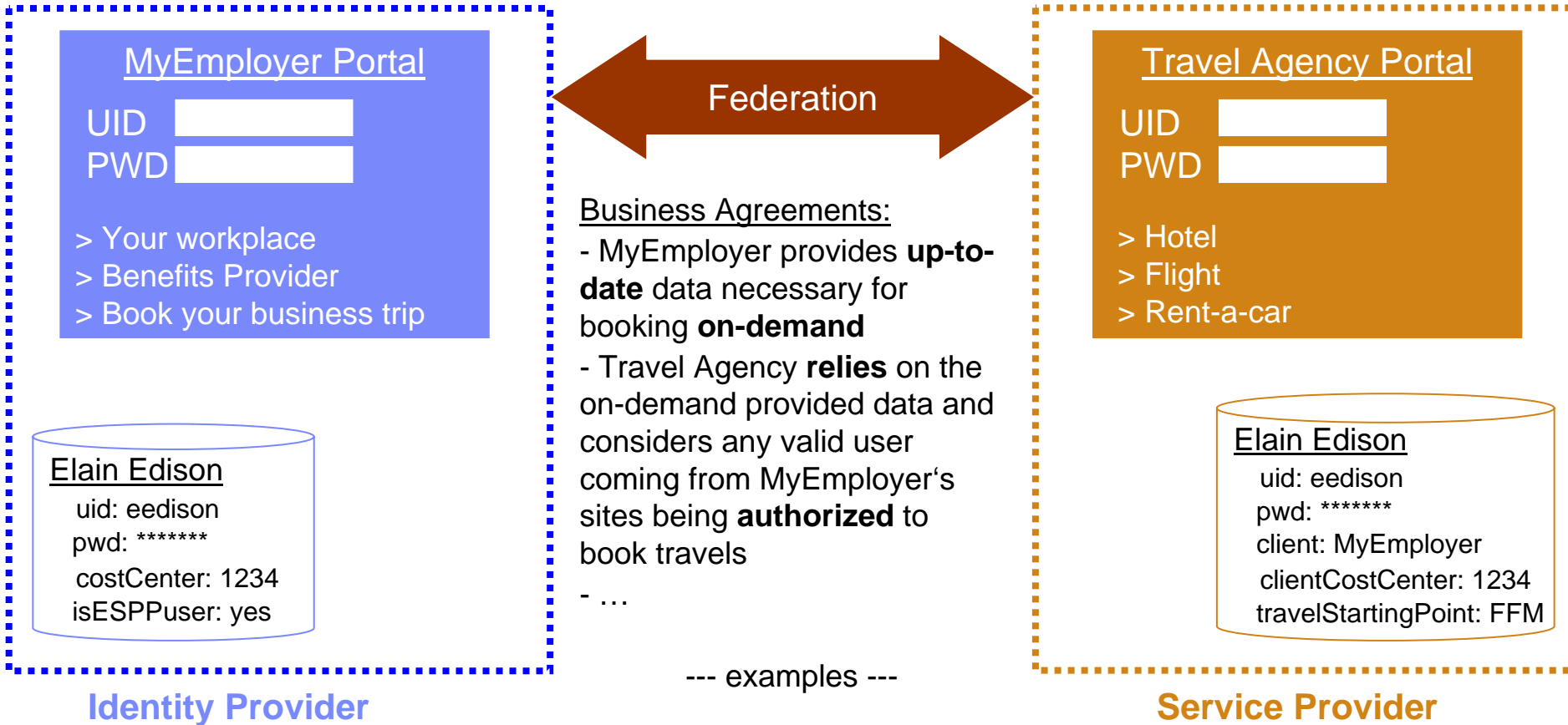
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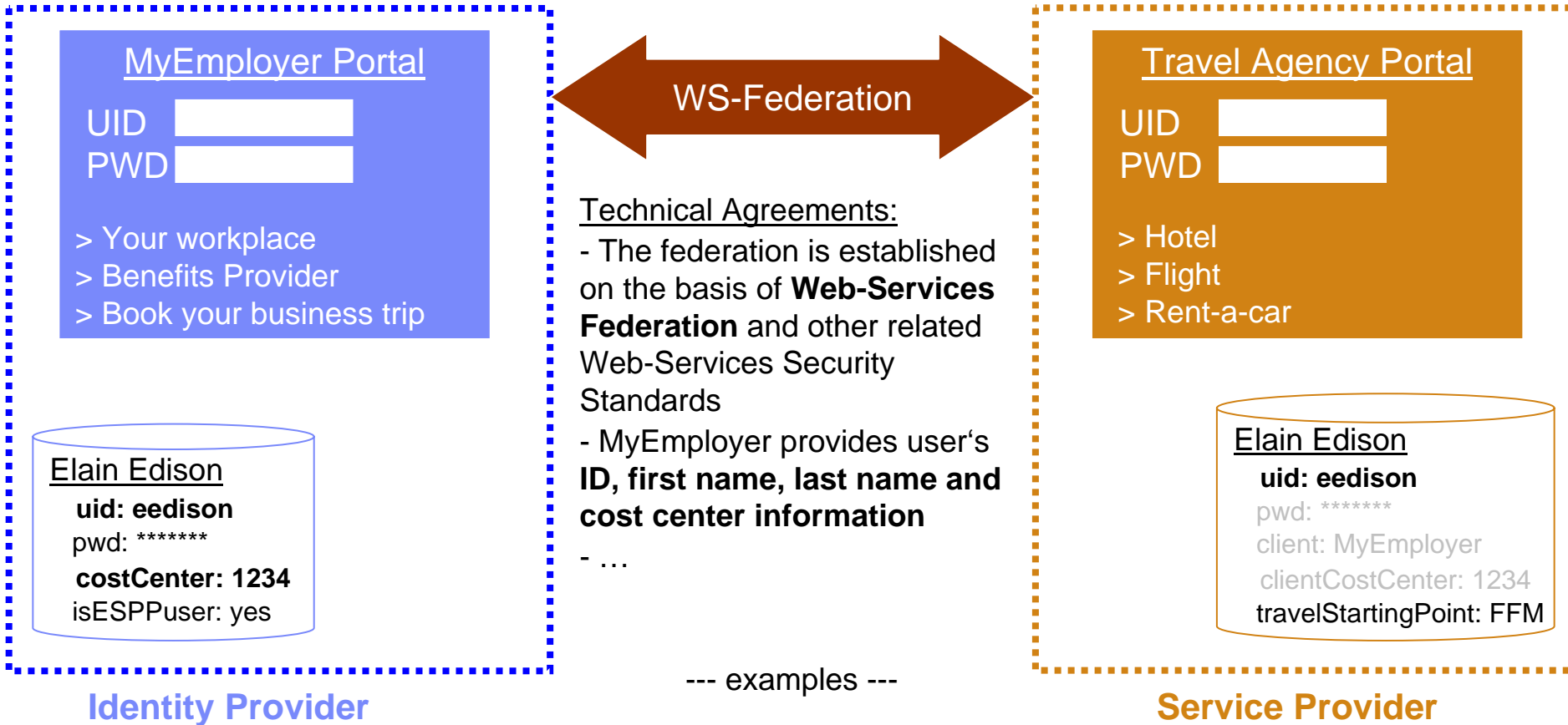
Current Situation



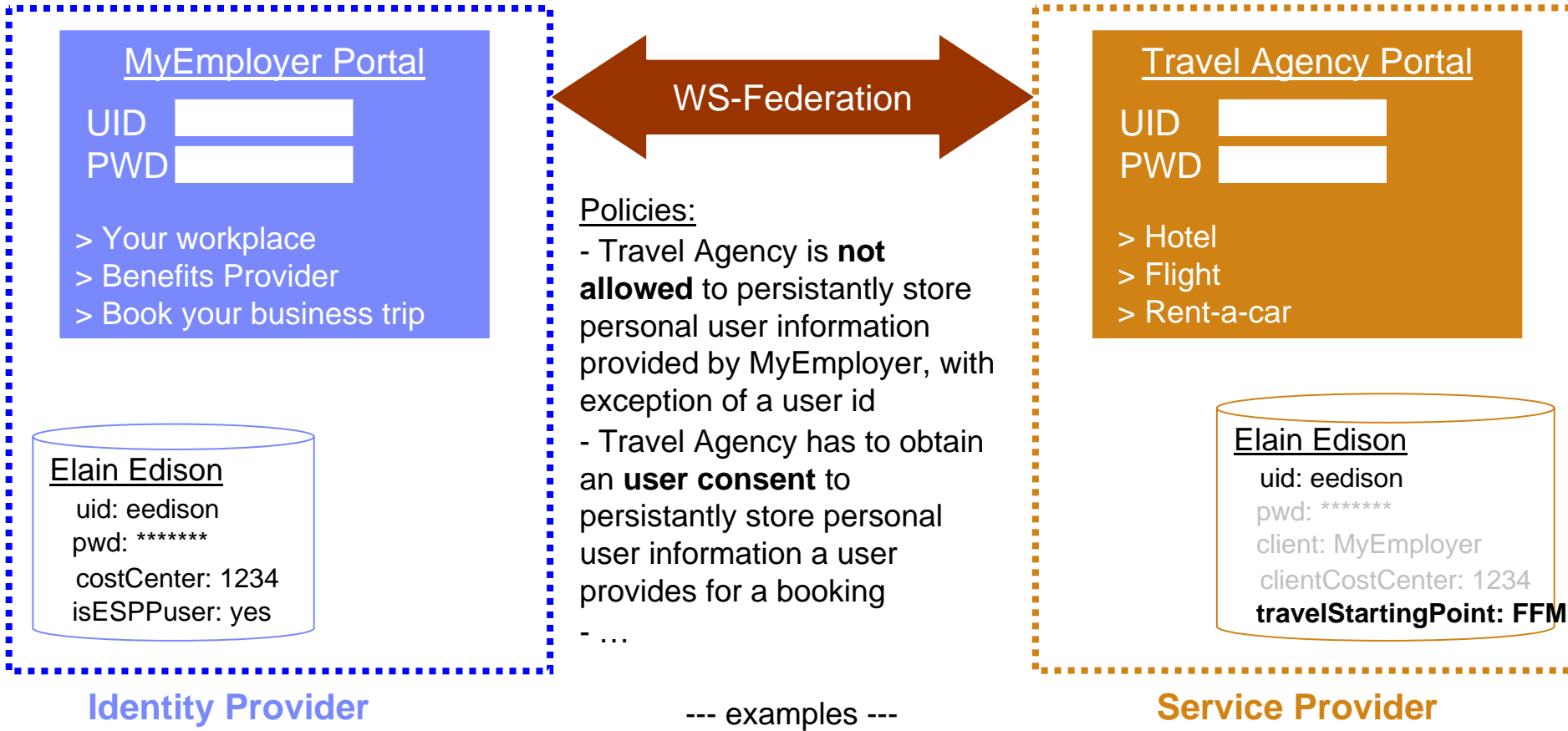
Establishing a Federation (1)



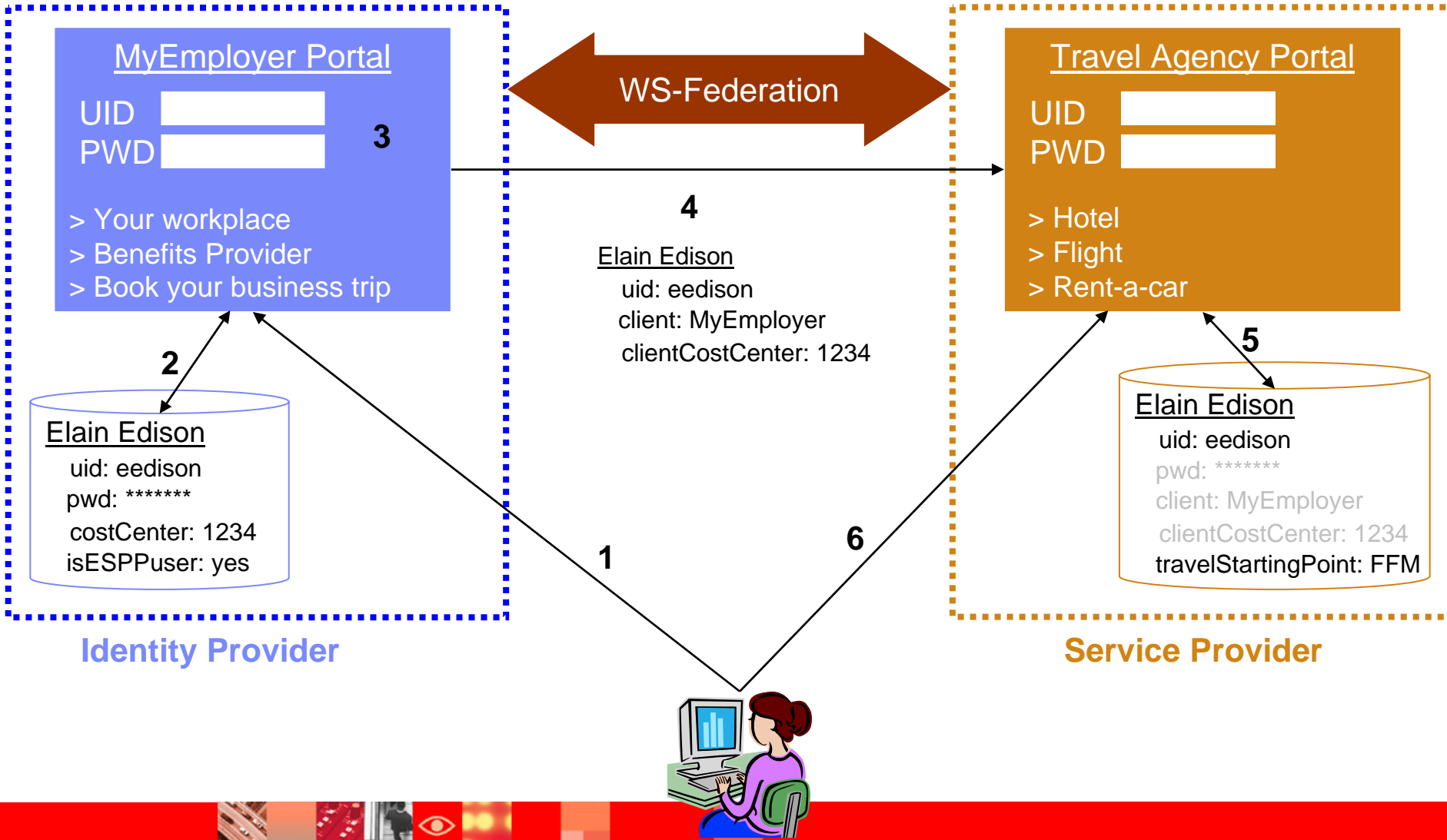
Establishing a Federation (2)



Establishing a Federation (3)



Target





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Danke für Ihre Aufmerksamkeit!

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