



# Umbrella Bridging

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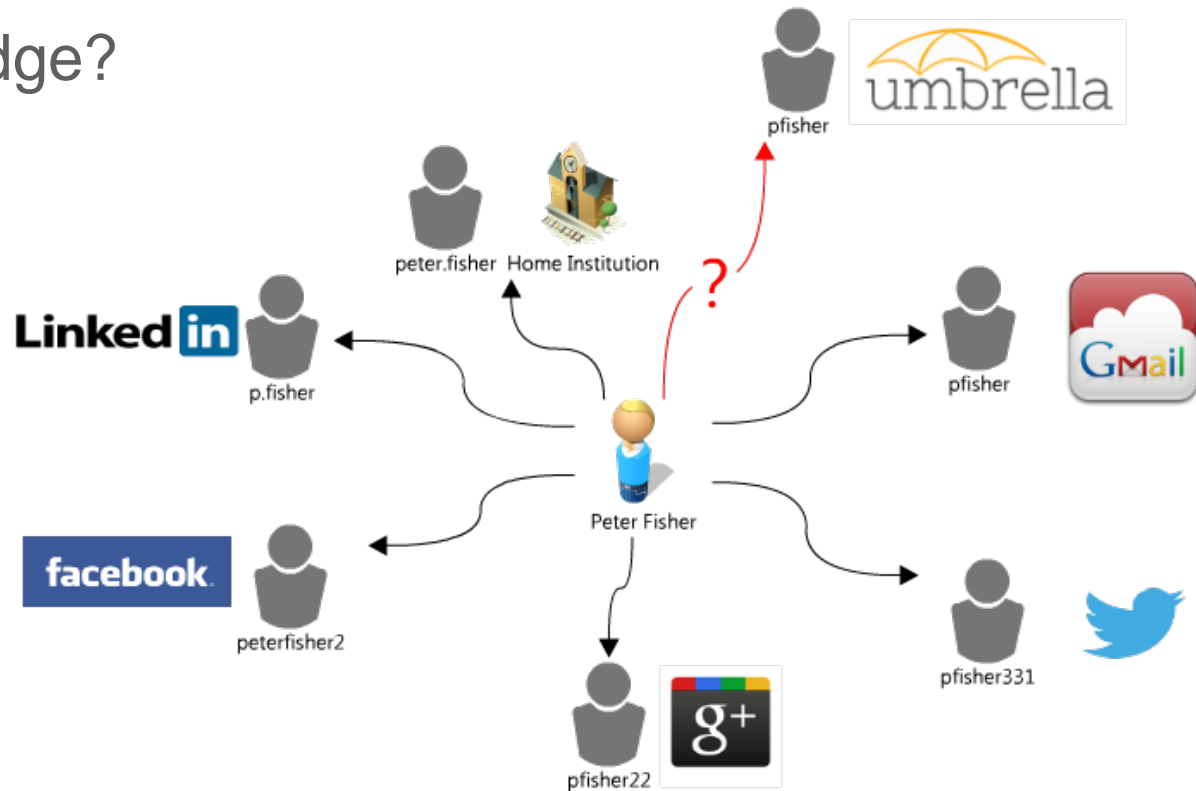
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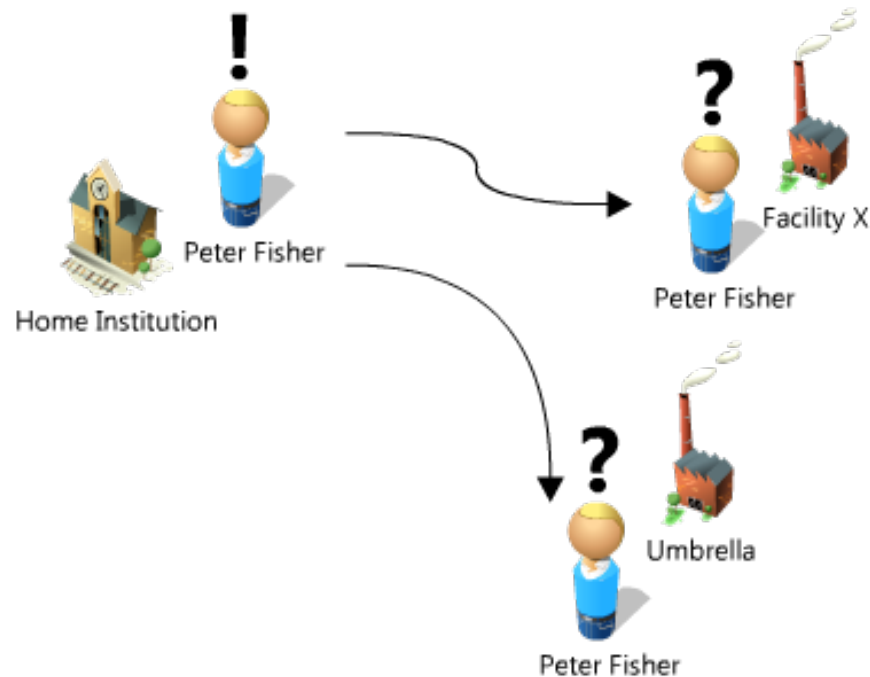


## Why to bridge?

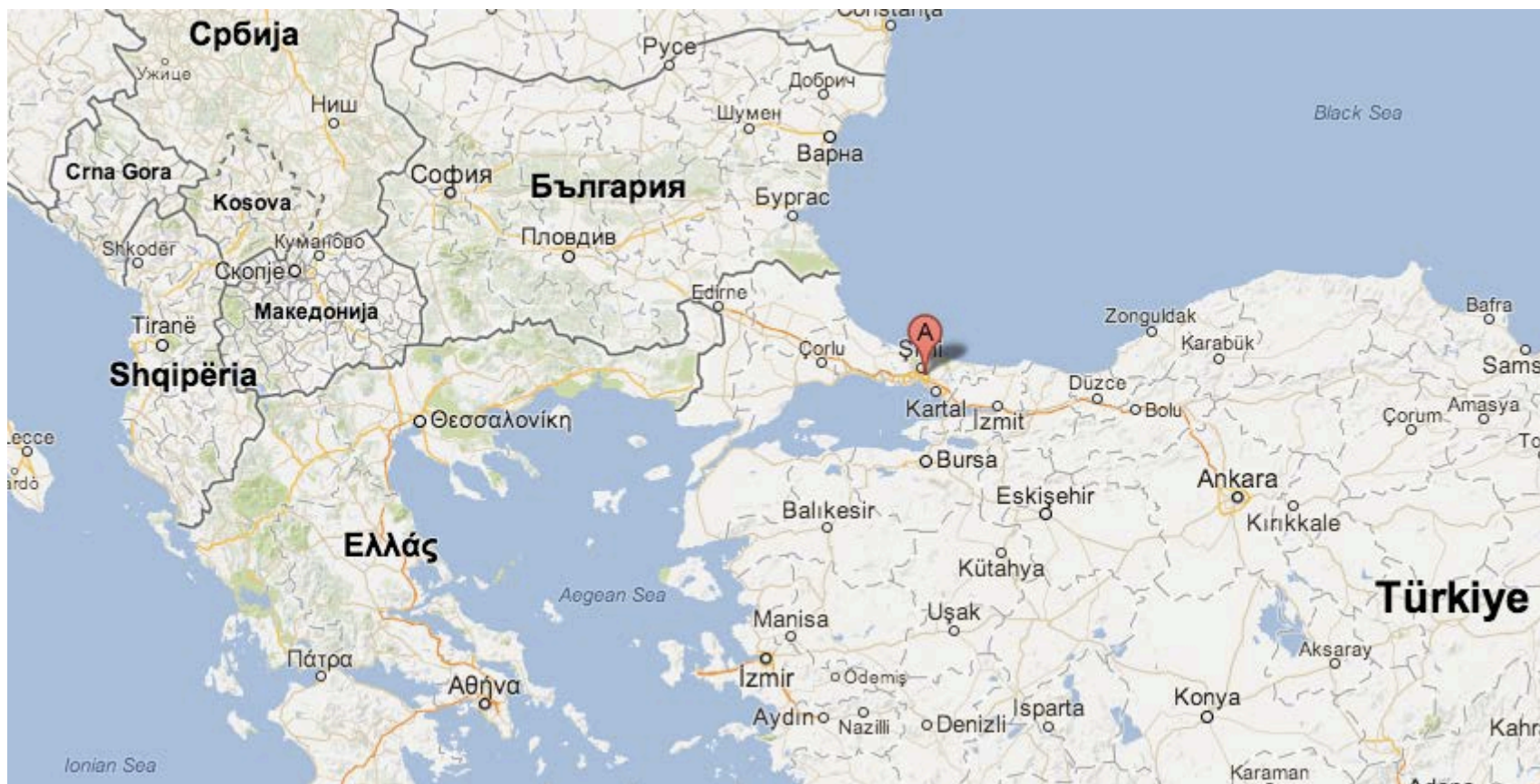


Creating a new account is often criticized

## Why to bridge?



User already know their home institution credentials

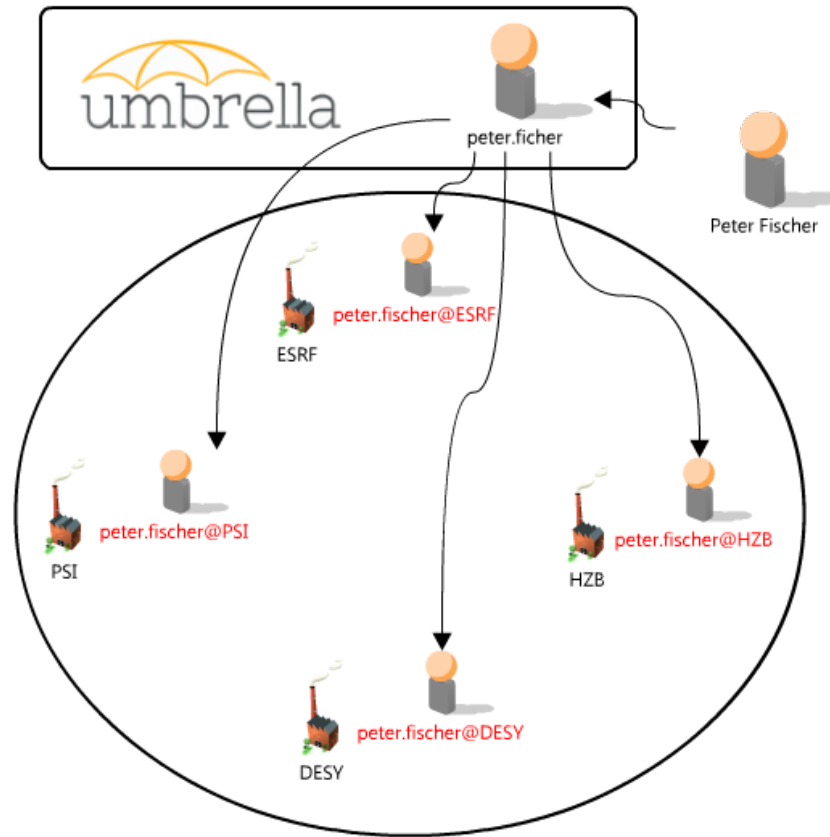


## Why to bridge?

- **Bring people together from different federations (cultures)**
- **Not yet another account**
- **People already know their home institution account**

# What to bridge?

## •Umbrella Federation



## What to bridge?

- National research and education networks (NRENs)



## What to bridge?

- eduGain



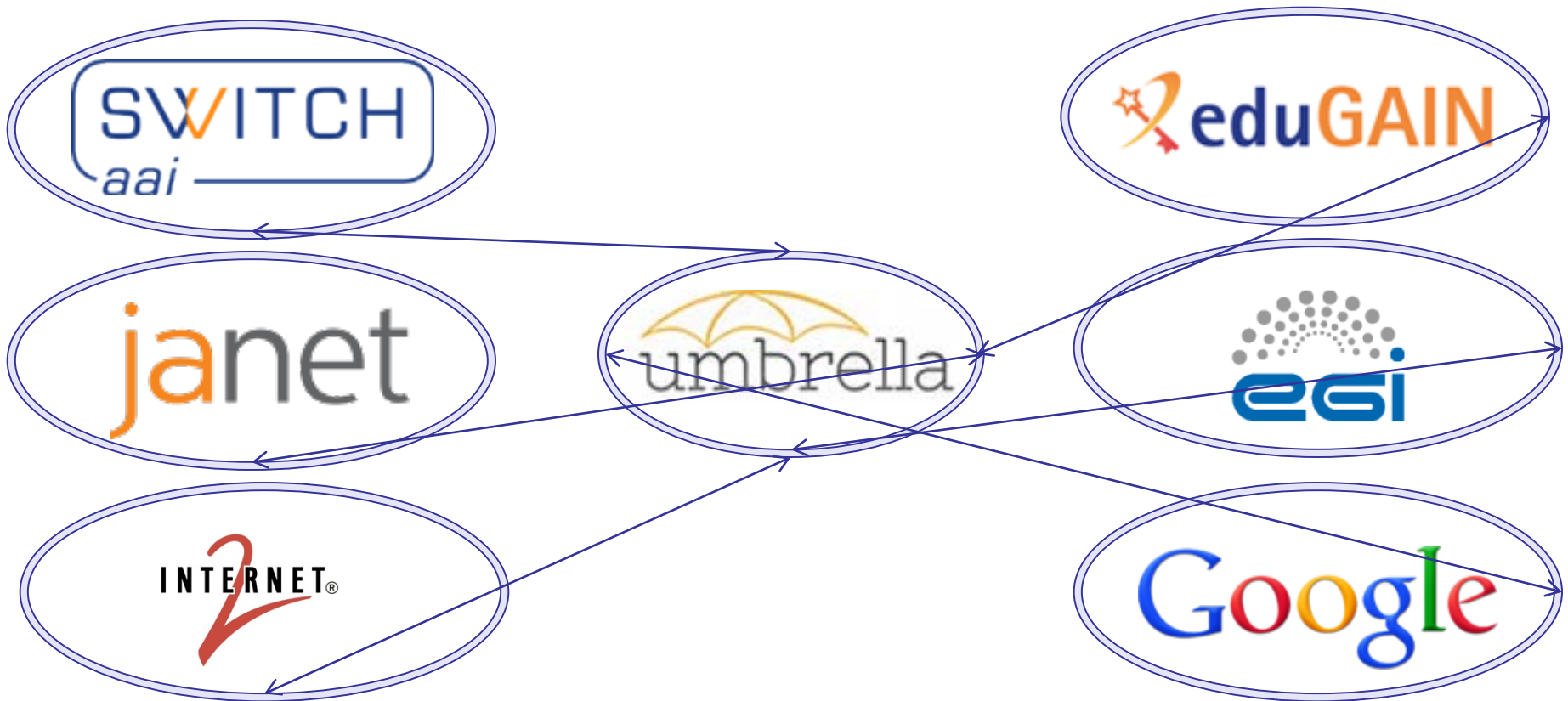
- Grid solutions



- Commercial federations



What to bridge?

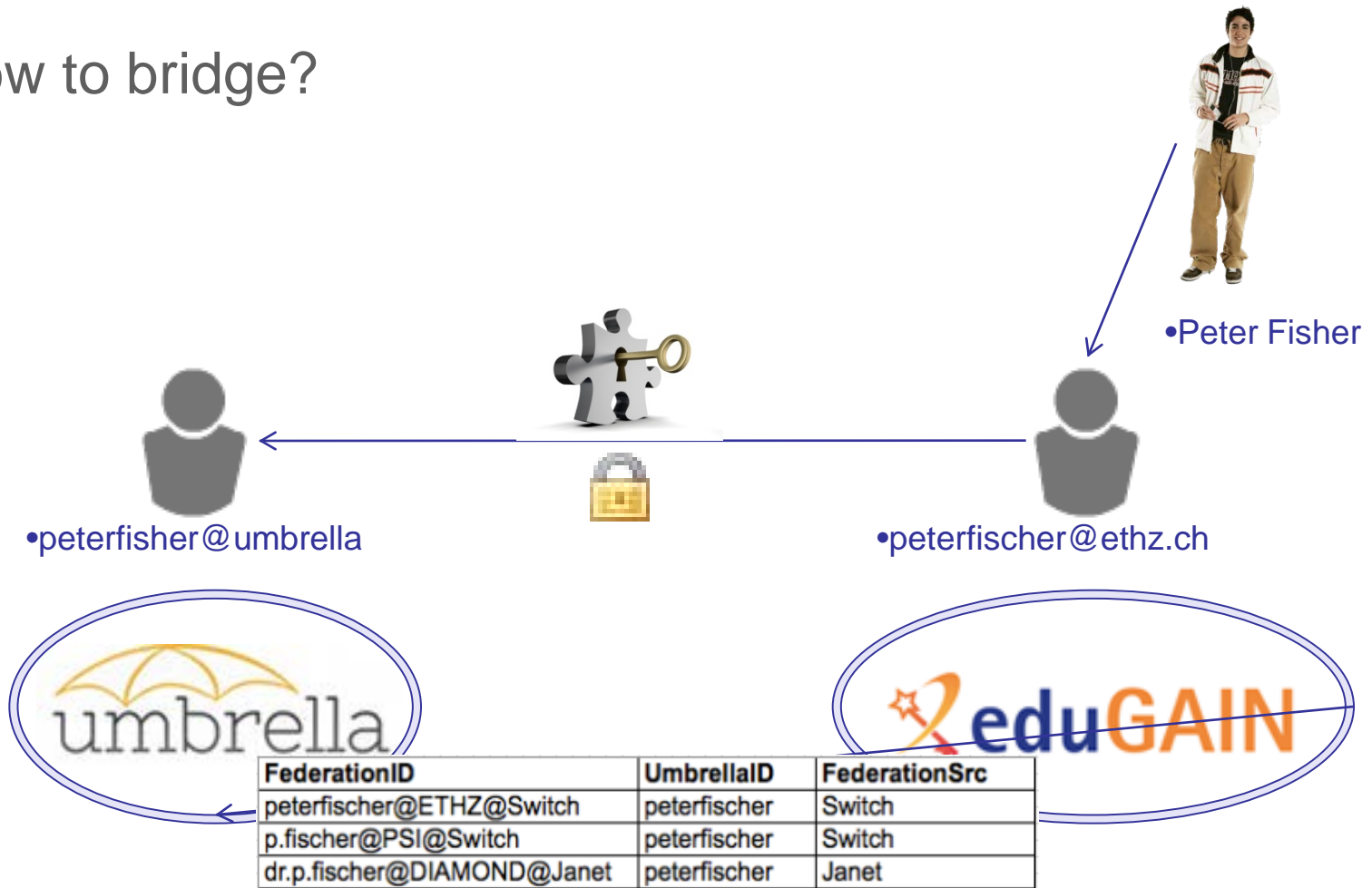


What to bridge?

**Keep the Umbrella philosophy:**

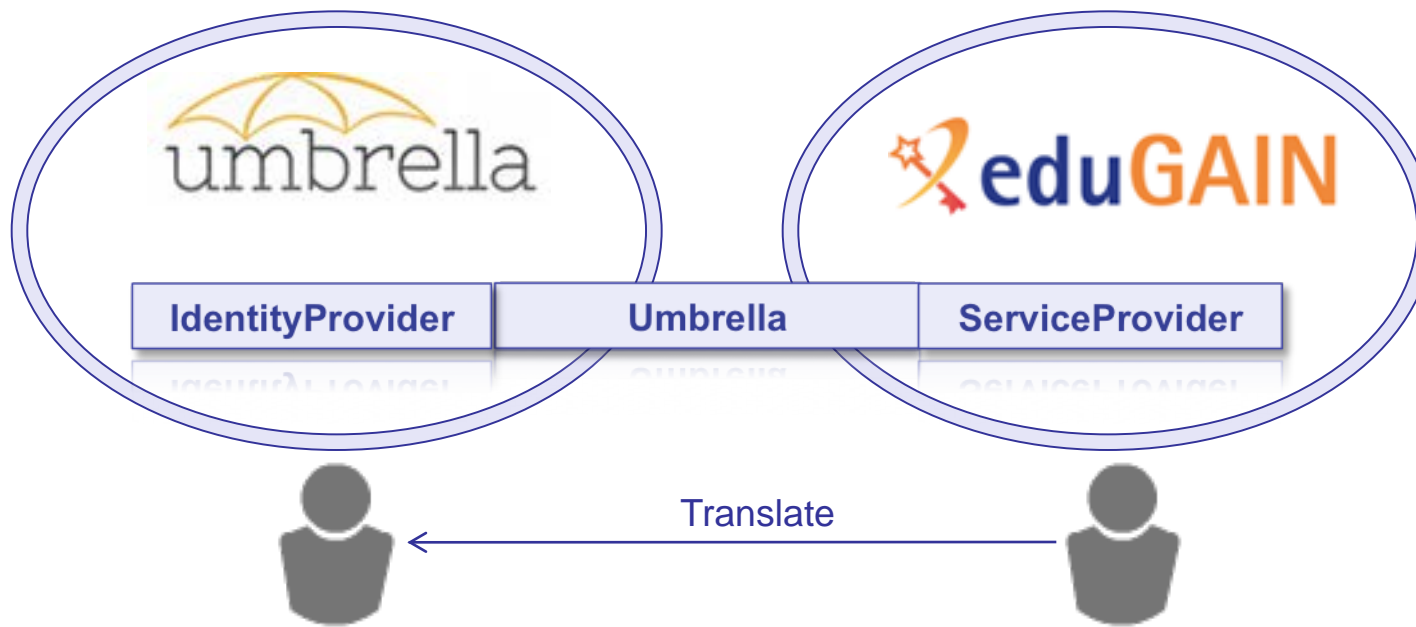
- **User initiated inter-federation mapping of accounts**
- **No automatic cross exchange of information**

## How to bridge?



How to bridge?

**To get user information from a federation one has to be a service provider in it.**



How to bridge?

**An AccountLinking Table on the Umbrella keeps track of linked accounts:**

- |               |  |
|---------------|--|
| FederationID  | <ul style="list-style-type: none"><li>• <b>A cross federation unique identifier of an account</b></li><li>• <b>E.g. peter.fisher@ethz.ch@eduGain</b></li></ul> |
| UmbrellaID    | <ul style="list-style-type: none"><li>• <b>A unique Umbrella identifier</b></li><li>• <b>E.g. peterfisher</b></li></ul>  |
| FederationSrc | <ul style="list-style-type: none"><li>• <b>The name of the federation of the source account</b></li><li>• <b>E.g. eduGain</b></li></ul>                        |

How to bridge?

**An AttributeMapping table translates attributes from one federation to another federation.**

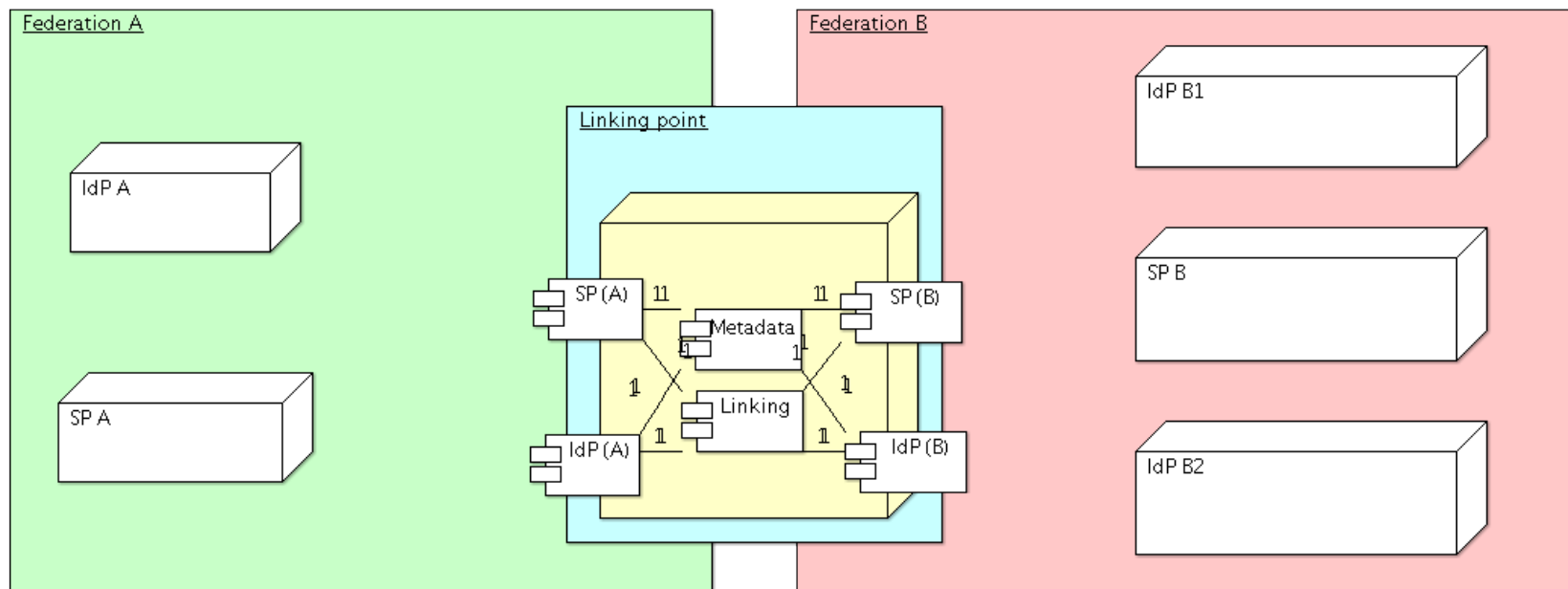
sourceAttribute

- **An exact attribute name from an incoming federation**
- **E.g. mail**

destinationAttribute

- **The attribute name for an outgoing attribute name**
- **E.g. email**

## How to bridge?



# Thank you for your attention!