

# U-Prove demo

ABC4Trust & PrimeLife tutorial  
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# What's U-Prove

- Minimal disclosure technology developed in the early 90s
    - Think “PKI with privacy-by-design”
      - Provides unlinkability between issuance and presentation
      - Provides minimal disclosure of attributes
  - Released by Microsoft
    - Specs under Open Specification Promise
    - Code under open-source and tech preview
- <http://www.microsoft.com/u-prove>



# Minimal disclosure illustrated

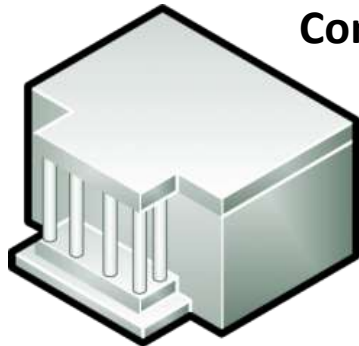


A large, rounded rectangular digital ID card with a light purple background. In the top left corner is a green 3D person icon. In the top right corner is the U-Prove logo, which consists of the text "U-Prove" in white on a dark blue background, with a green checkmark-like shape to the right. Below the person icon is a white rectangular box with a blue border containing the following text: "Name: Alice Smith", "Citizen: UK", and "Role: Engineer Level 4". To the right of this box is a gold circular seal with a ribbon.

**Name:** Alice Smith  
**Citizen:** UK  
**Role:** Engineer Level 4



# Minimal disclosure illustrated

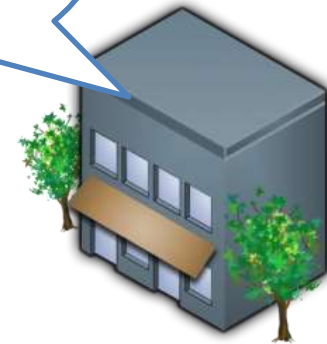


Contoso



Please show  
your name  
and role.

Fabrikam

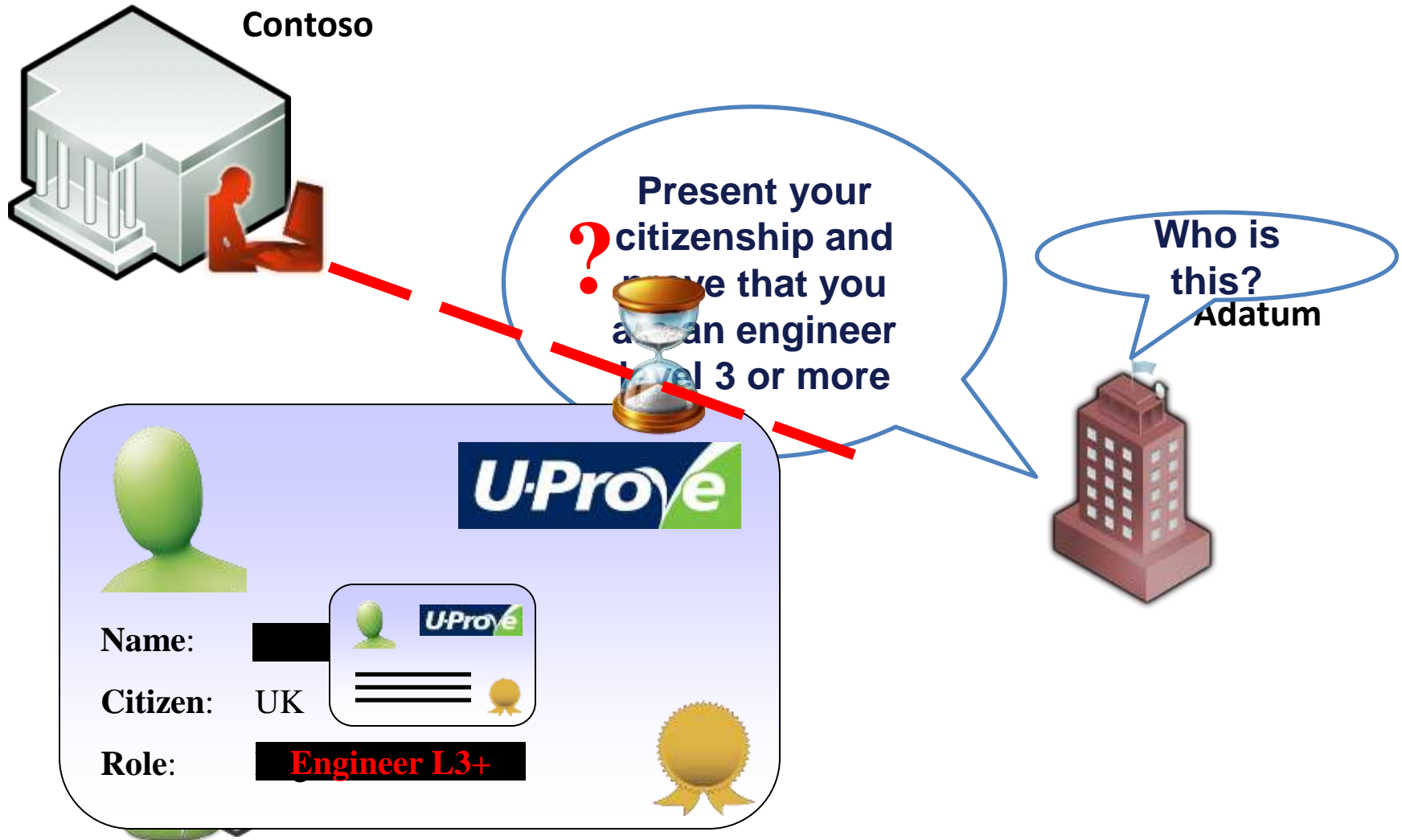
A digital ID card for Alice. It features a green person icon, the U-Prove logo, and fields for Name, Citizen, and Role. A smaller version of the ID card is shown in a window above the Citizen field. A gold seal is at the bottom right.

**Name:** Alice

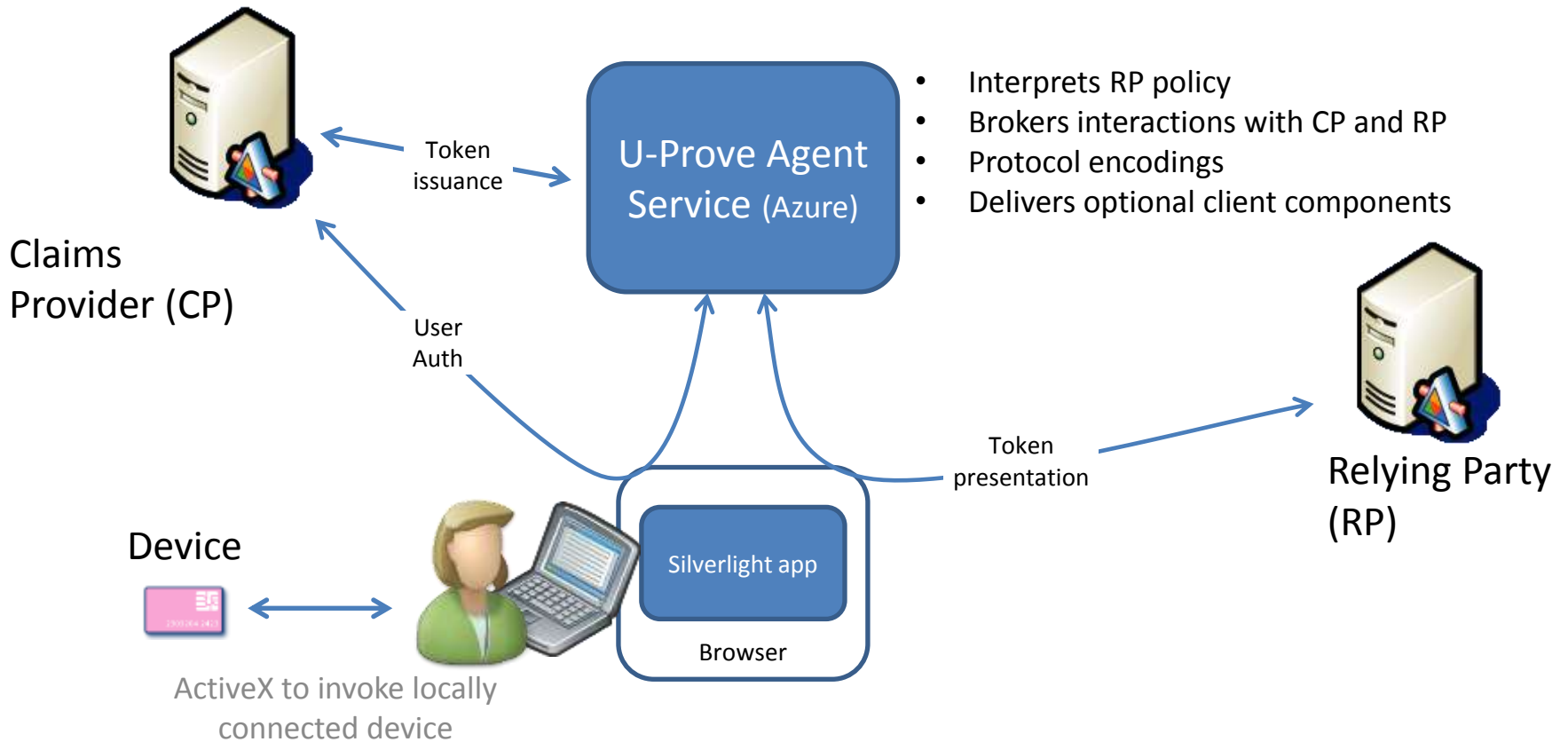
**Citizen:** [Redacted]

**Role:** Engineer Level 4

# Minimal disclosure illustrated



# U-Prove Agent Architecture



# U-Prove demos/PoCs

University feedback +  
e-library access



eParticipation



HealthVault registration



Erika  
Trilogy

Car auction



Unemployment benefits



MediaRoom



U-Prove  
Agent  
demos