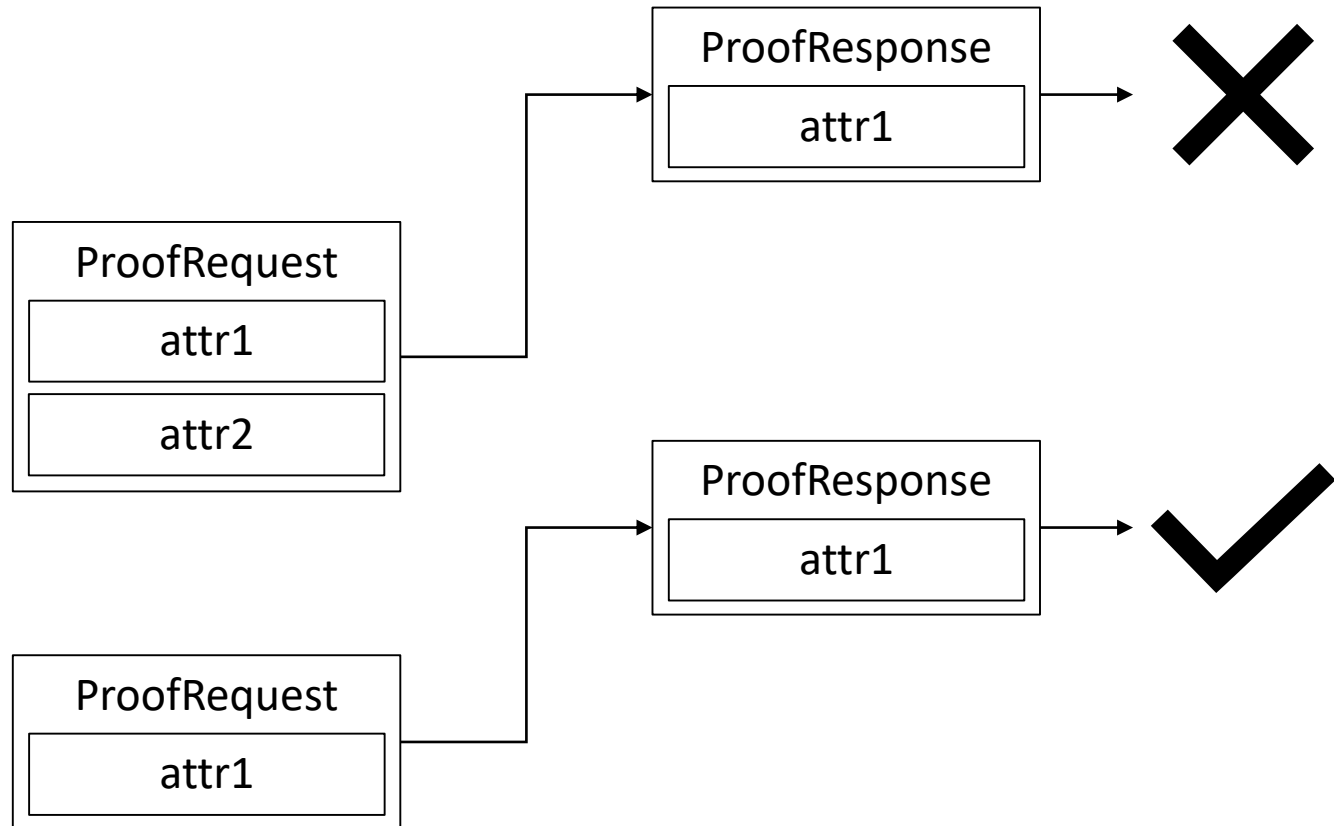


Proof Request Negotiation

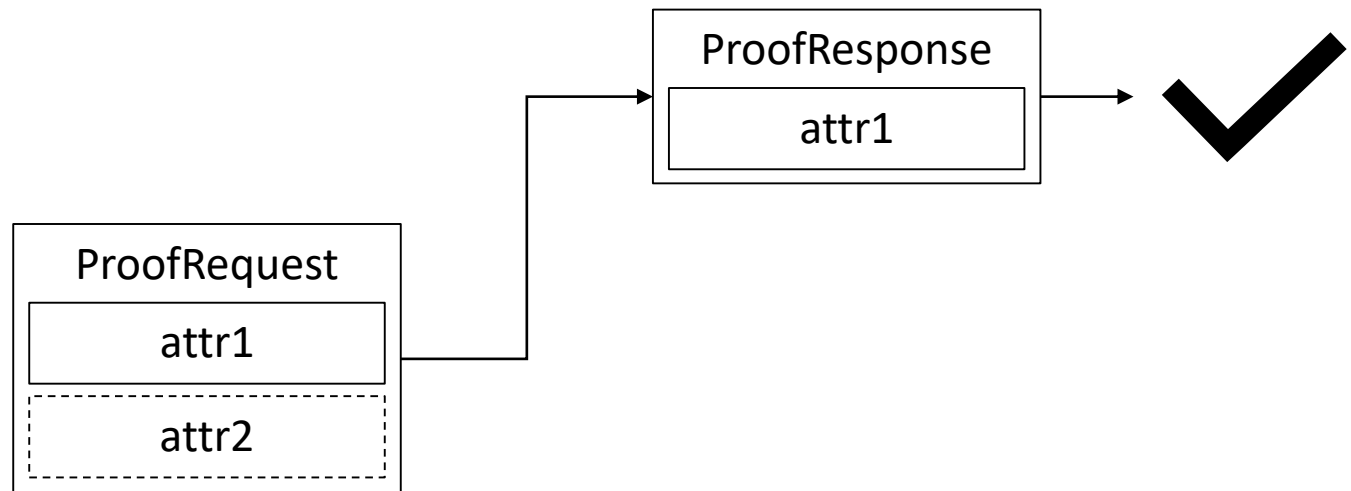
Case 1 - Current Implementation

- **Case**
Service **needs attr1** but can uncover extra functionality if **attr2** is given as well
- **Service:** Give me attr1 and attr2!
- **User:** I can only provide attr1
- **Proof:** **false**
- **Service:** Give me attr1!
- **User:** Here is attr1
- **Proof:** **true**



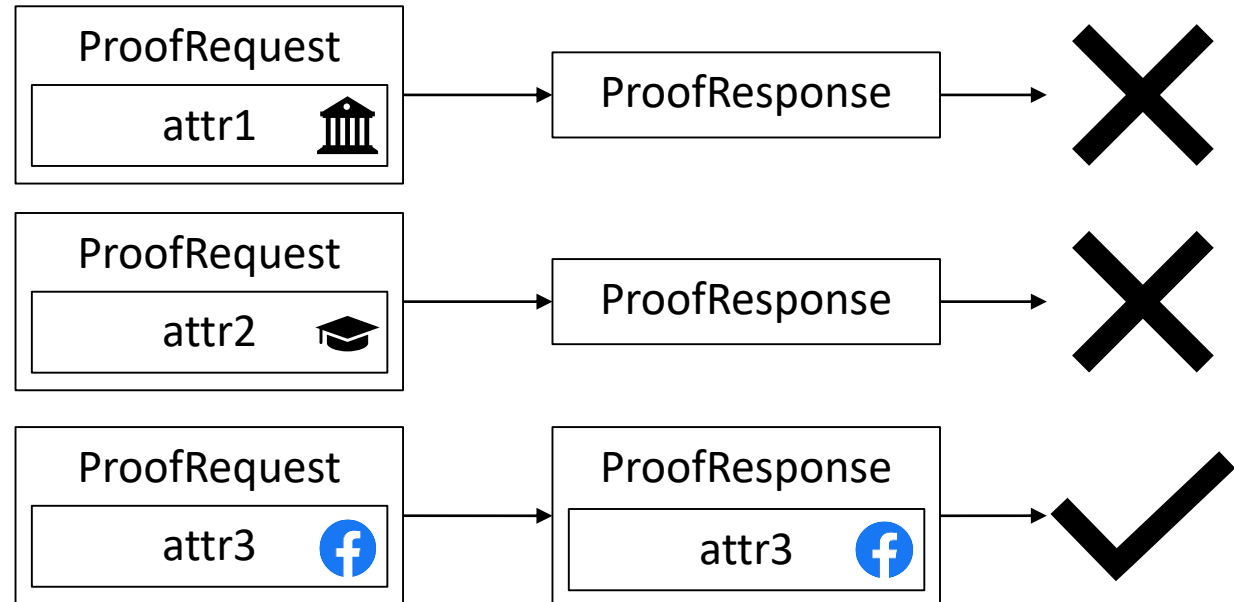
Idea: Optional Attributes

- **Case**
Service **needs attr1** but can uncover extra functionality if **attr2** is given as well
- **Service:** Give me attr1 and, if possible, attr2!
- **User:** I can only provide attr1
- **Proof:** true



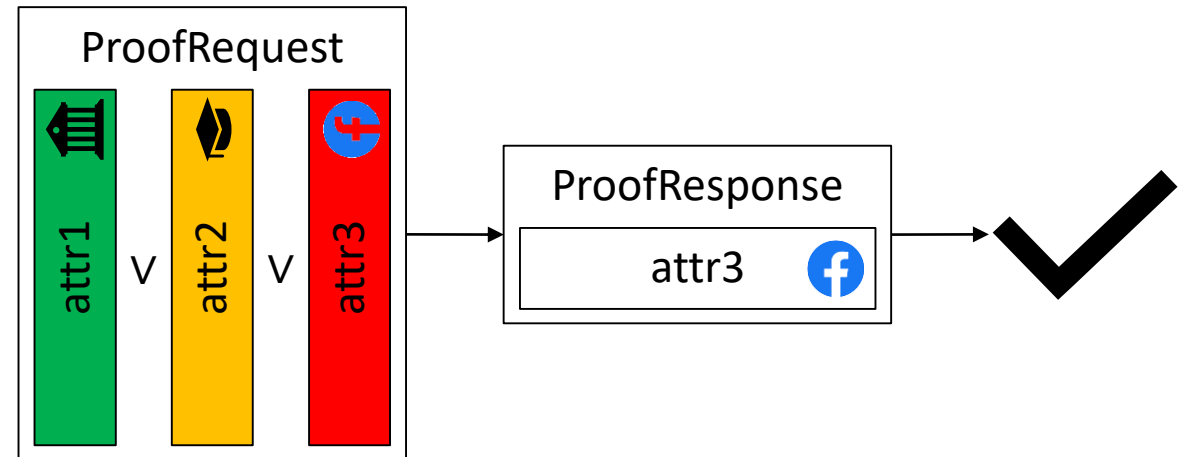
Case 2 - Current Implementation

- **Case**
Service need address data from attr1 (preferred) or attr2 (OK) or attr3 (worst case)
- **Service:** Give me attr1!
- **User:** I don't have it
- **Proof:** false
- **Service:** Give me attr2!
- **User:** I don't have it
- **Proof:** false
- **Service:** Give me attr3!
- **User:** Here is attr3!
- **Proof:** true

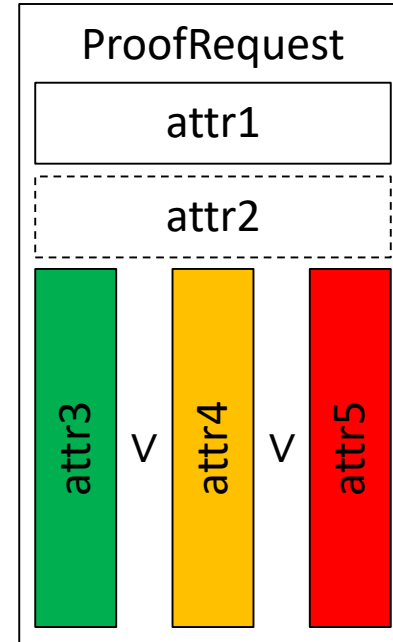


Idea 2 - Alternative Attributes

- **Case**
Service needs address data from attr1 (preferred) or attr2 (OK) or attr3 (worst case)
- **Service:** Give me attr1 (1.0) or attr2 (0.8) or attr3 (0.2)!
- **User:** Here is attr3!
- **Proof:** true
- **Service:** OK,
but you have to pay an extra fee for delivery!



Changes



Out of scope / To be discussed

