Hibrit Cüzdanlar

Mustafa Sakalsız - T2 Yazılım
Dr. Kamer Kaya - Sabancı Üniversitesi

Blockchain - Projeler

BBN Projesi

Dijital Kimlik
Kripto Para (Keklik)
Pazar Yeri
Mobil Light Wallet

B*** Projesi

Zero Knowledge Proof
Cüzdan

Blockchain - Hackathon

BNP PARIBAS

alBaraka

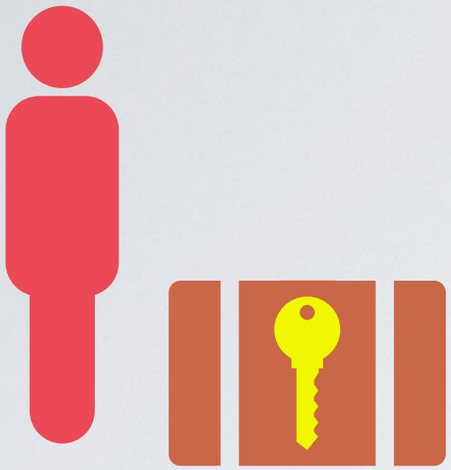
Bondchain

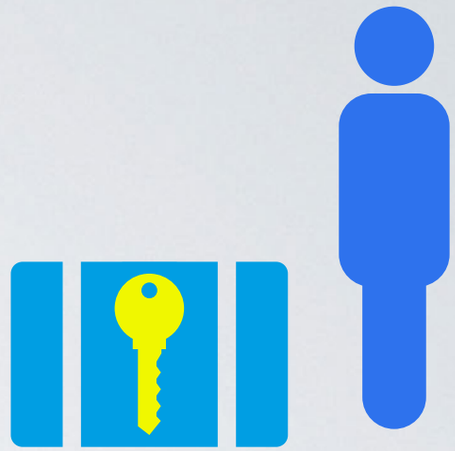
Dijital Çek-Senet
3.'lük Derecesi
Jüri Özel Ödülü

Goldchain

Uluslararası Dijital Altın Hesabı
4.'lük Derecesi

Genel Bir Cüzdan Yapısı

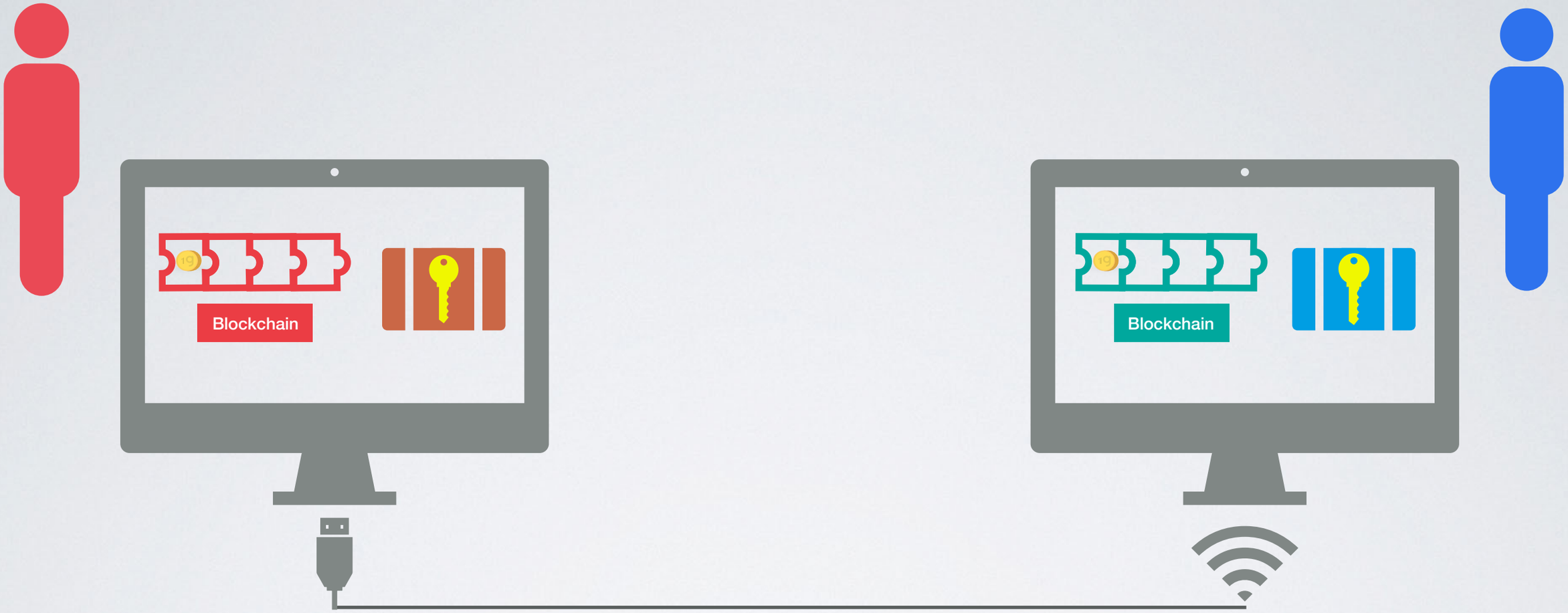




Genel Bir Cüzdan Yapısı

Genel Bir Cüzdan Yapısı

Cüzdanın Çalışması



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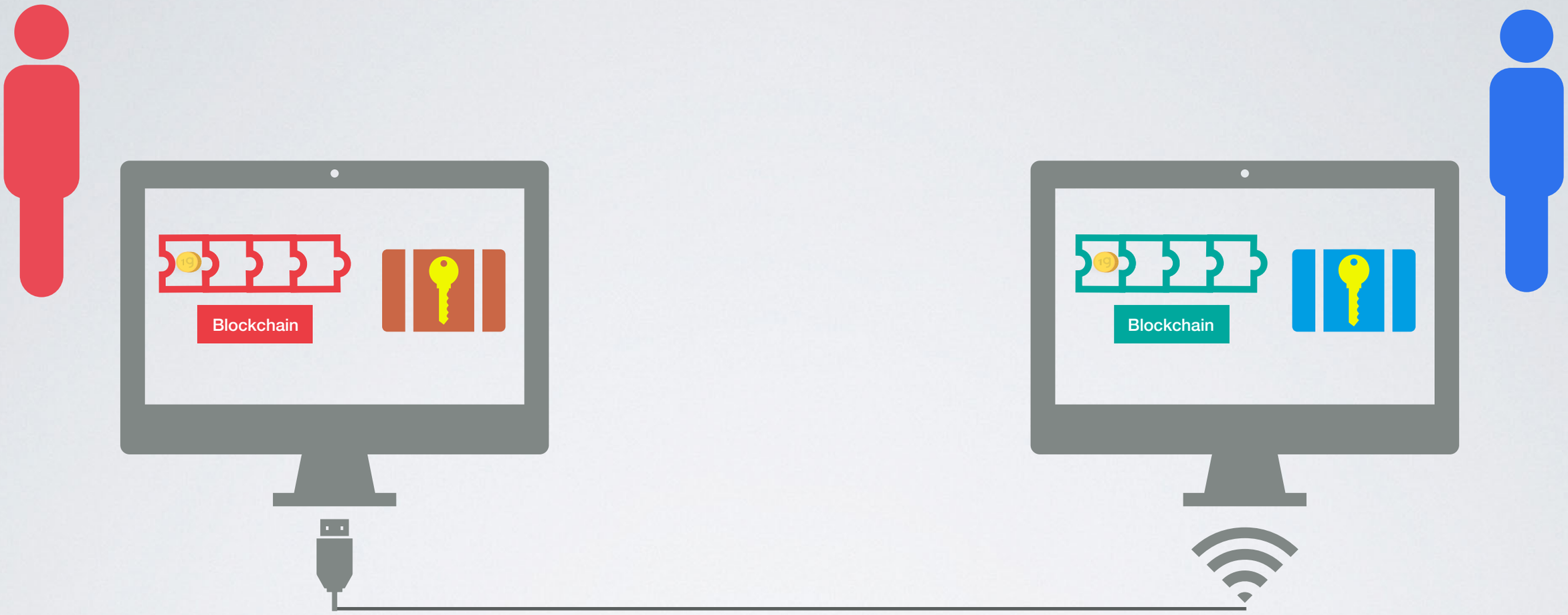
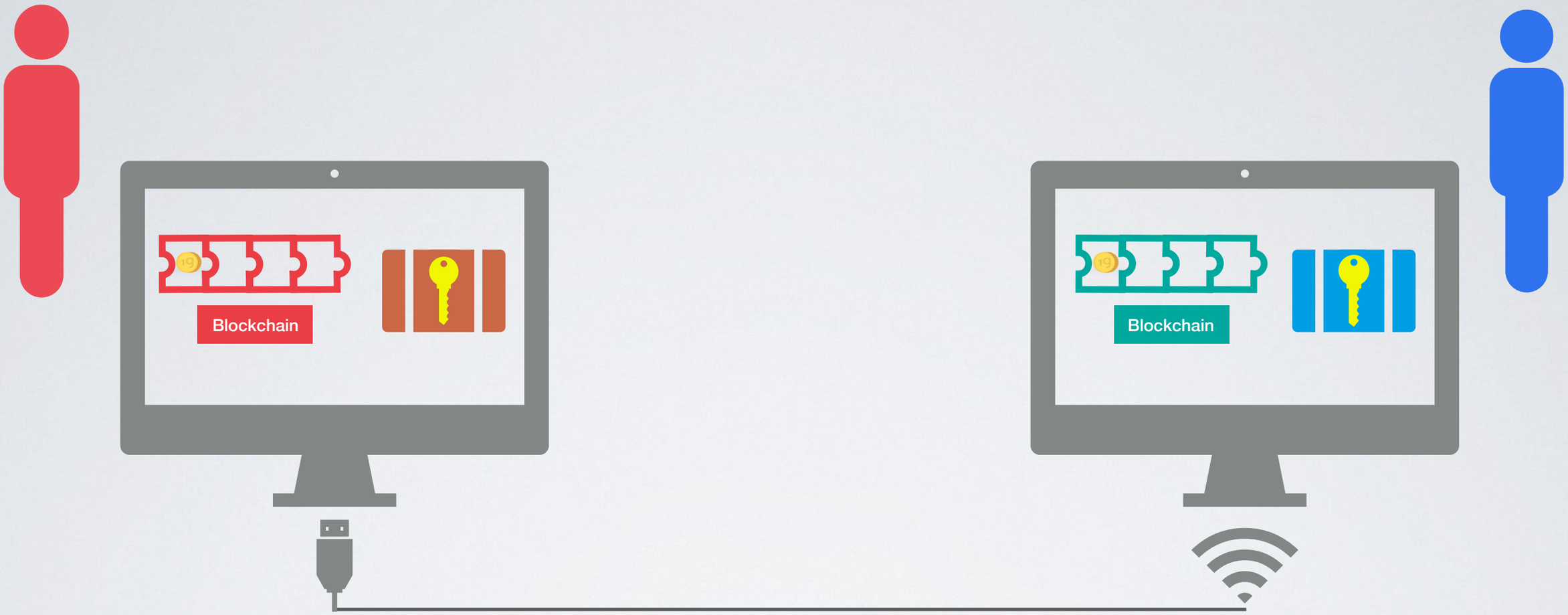


İşlemi Oluşturma

Cüzdanın Çalışması



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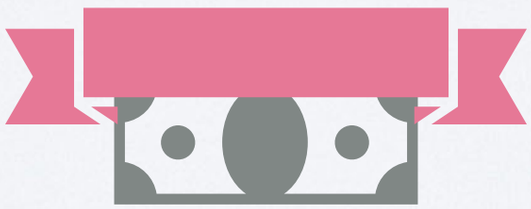

Cüzdanın Çalışması

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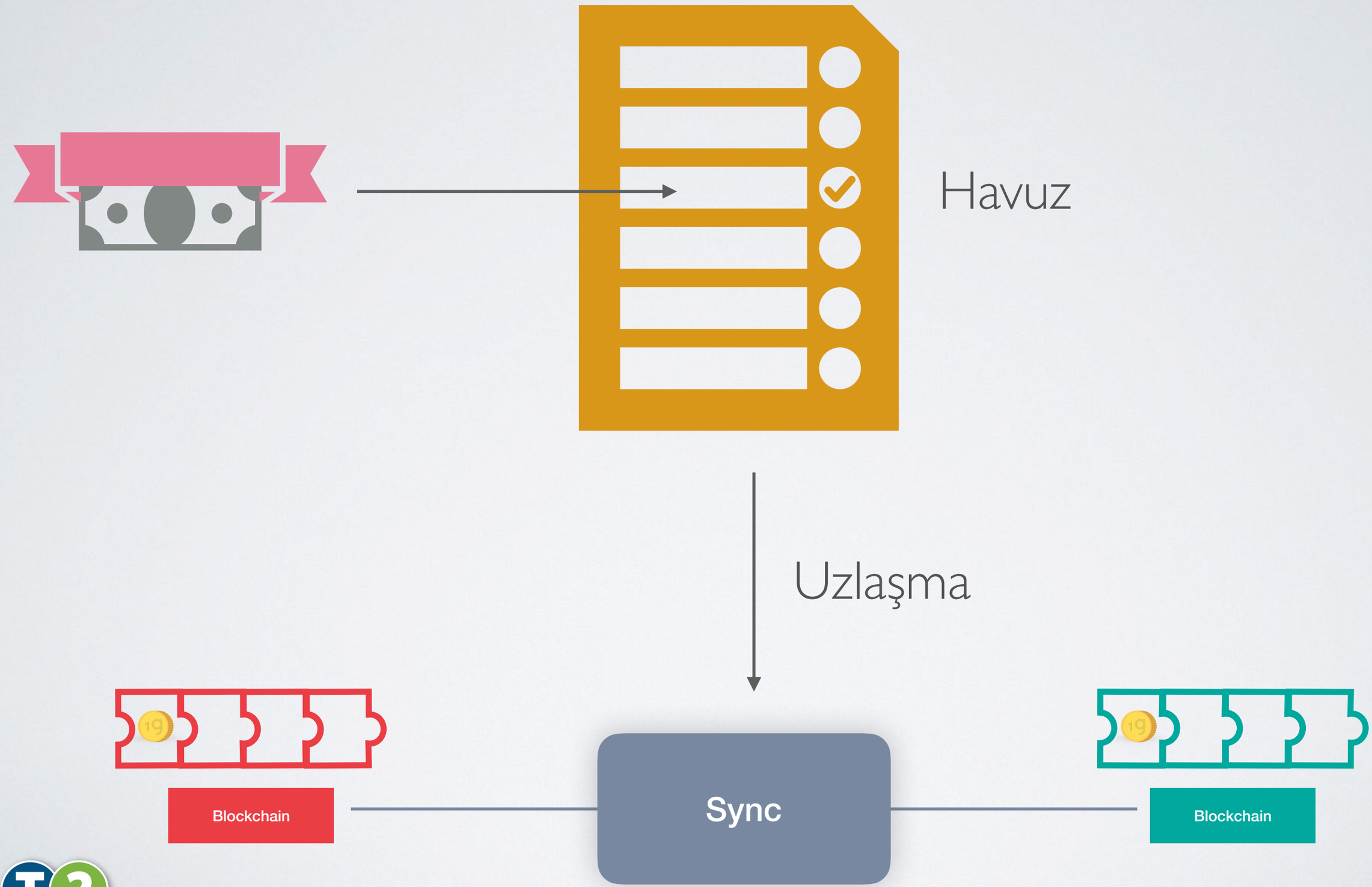

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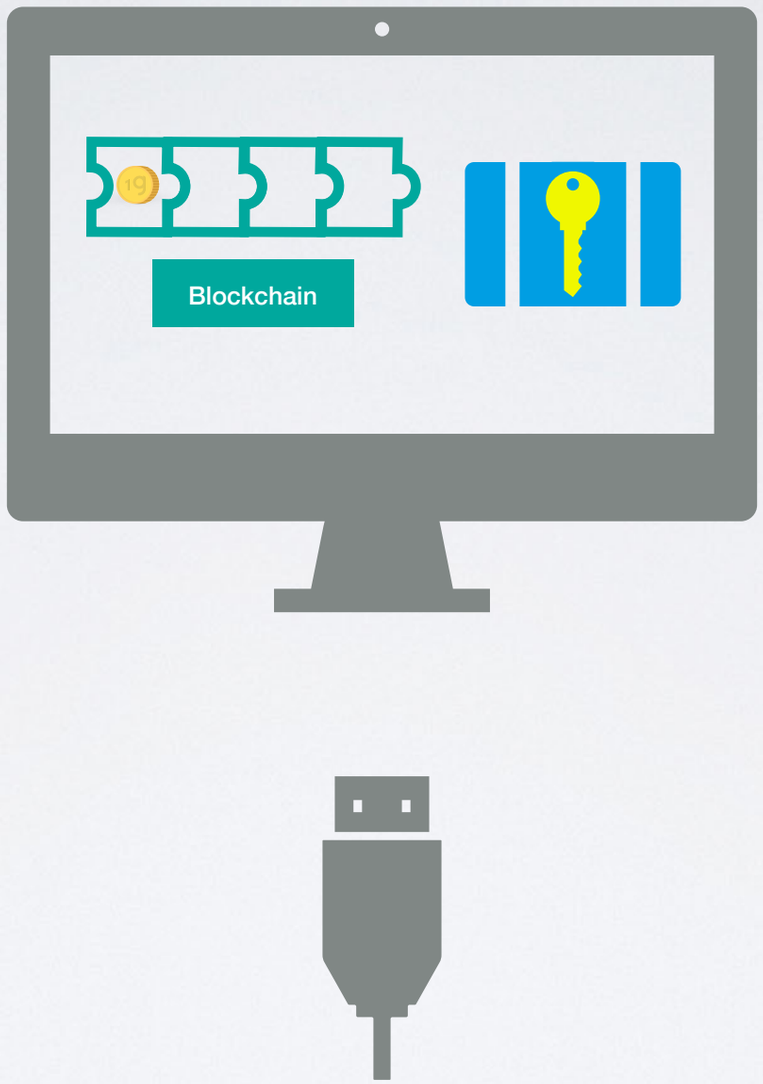

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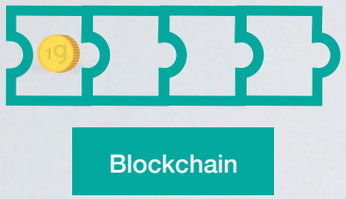
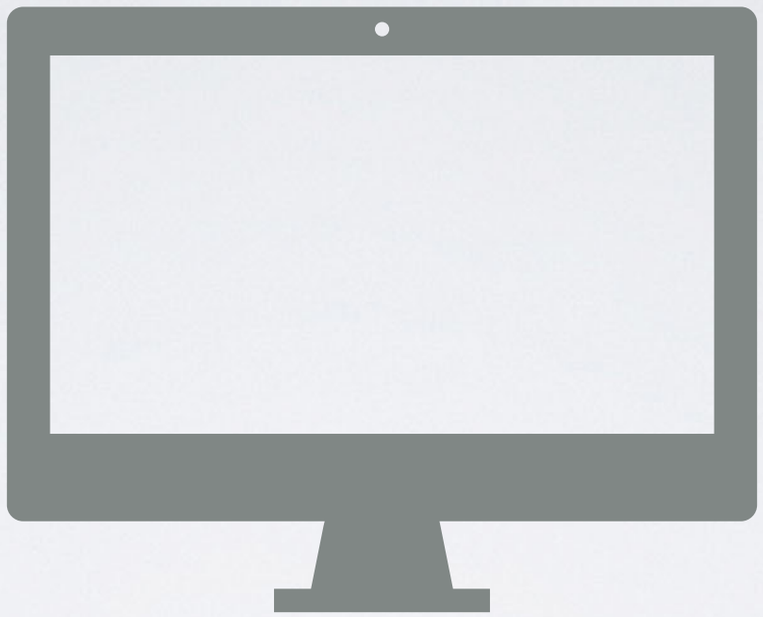


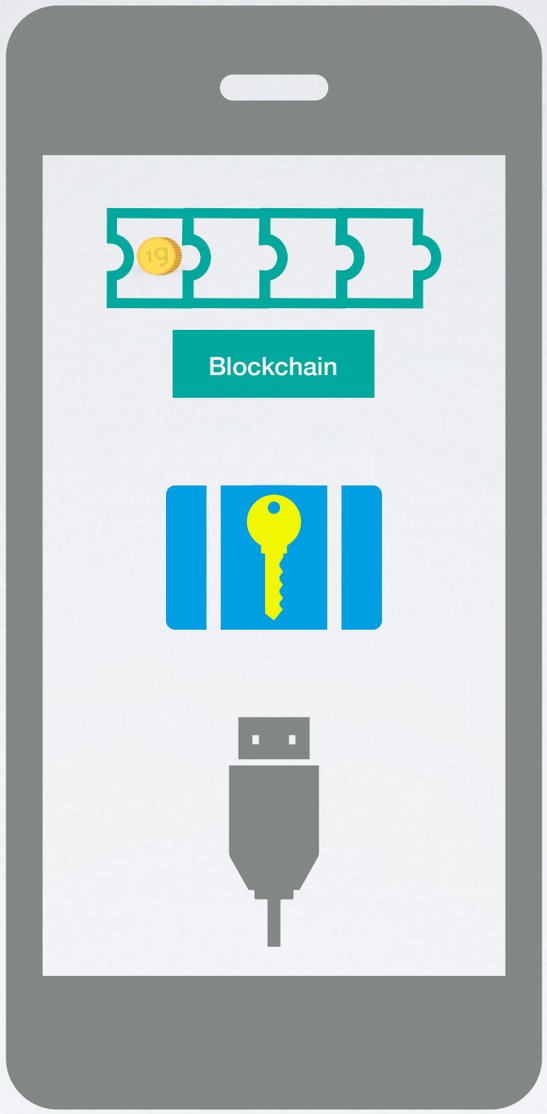
Tüm Geçmiş



Gizli Anahtar

Sürekli Bağlantı

Mobilde Cüzdan



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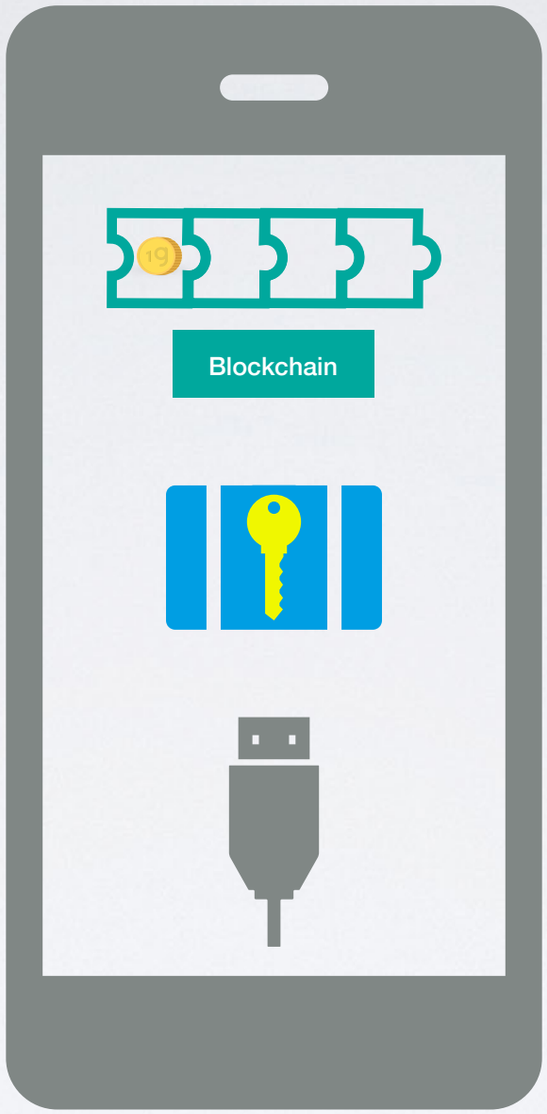

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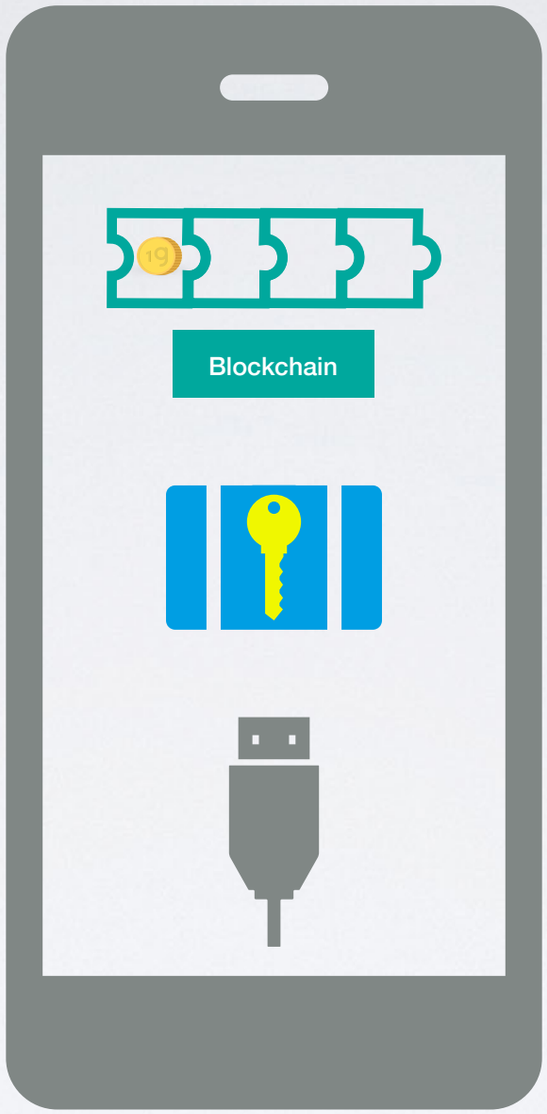
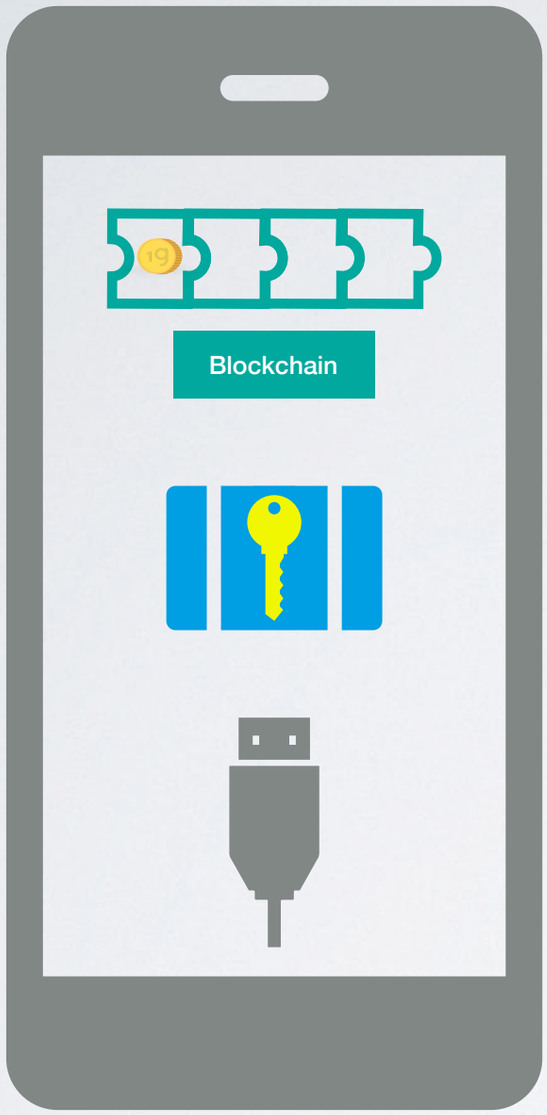
Mobilde Cüzdan



Uygun Değil

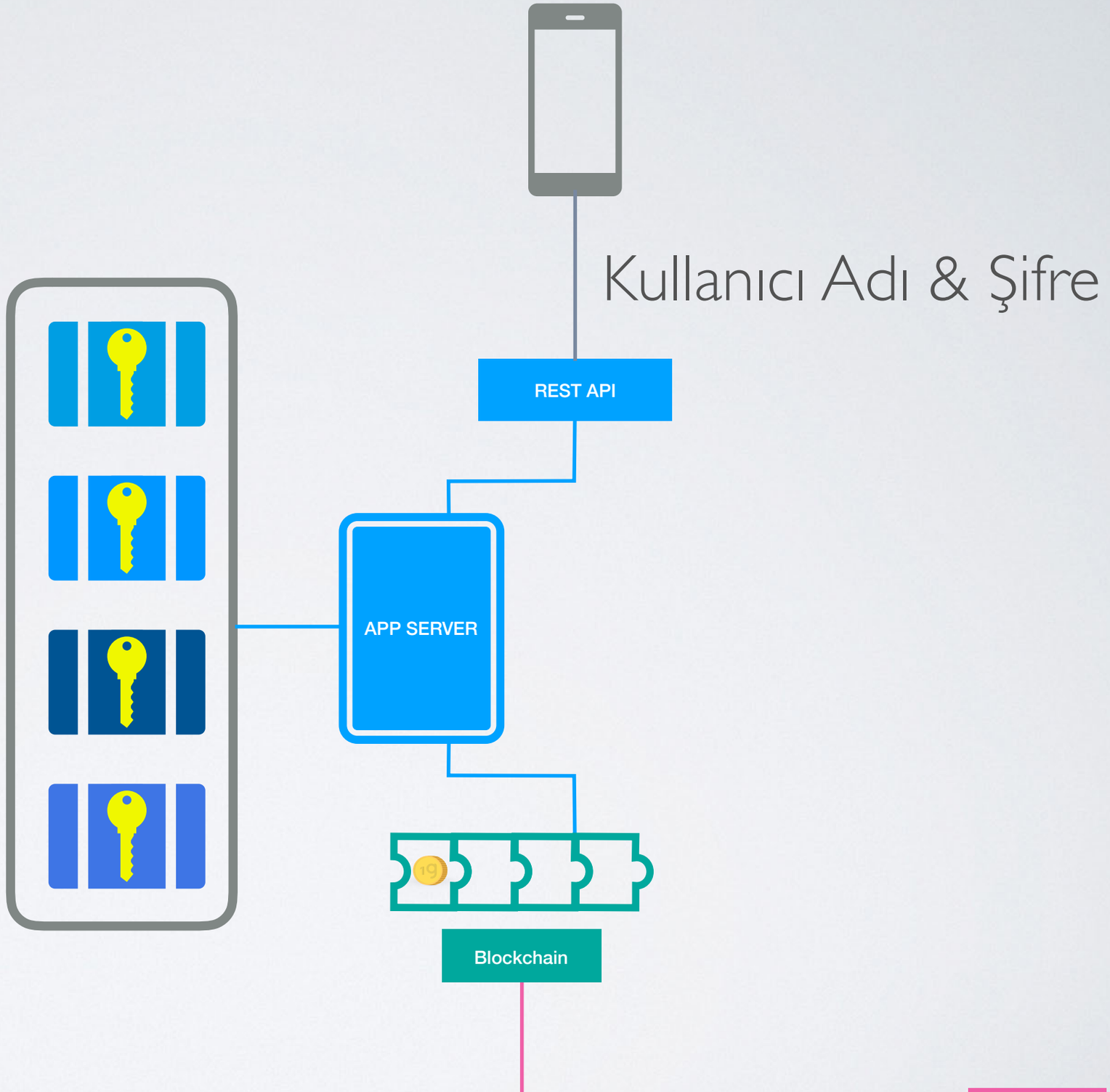
Mobilde Cüzdan



Uygun Değil

- Veri Depolama
- Sürekli Bağlantı
- Private Key Silinmesi/Kaybolması
- Pil Kullanımı

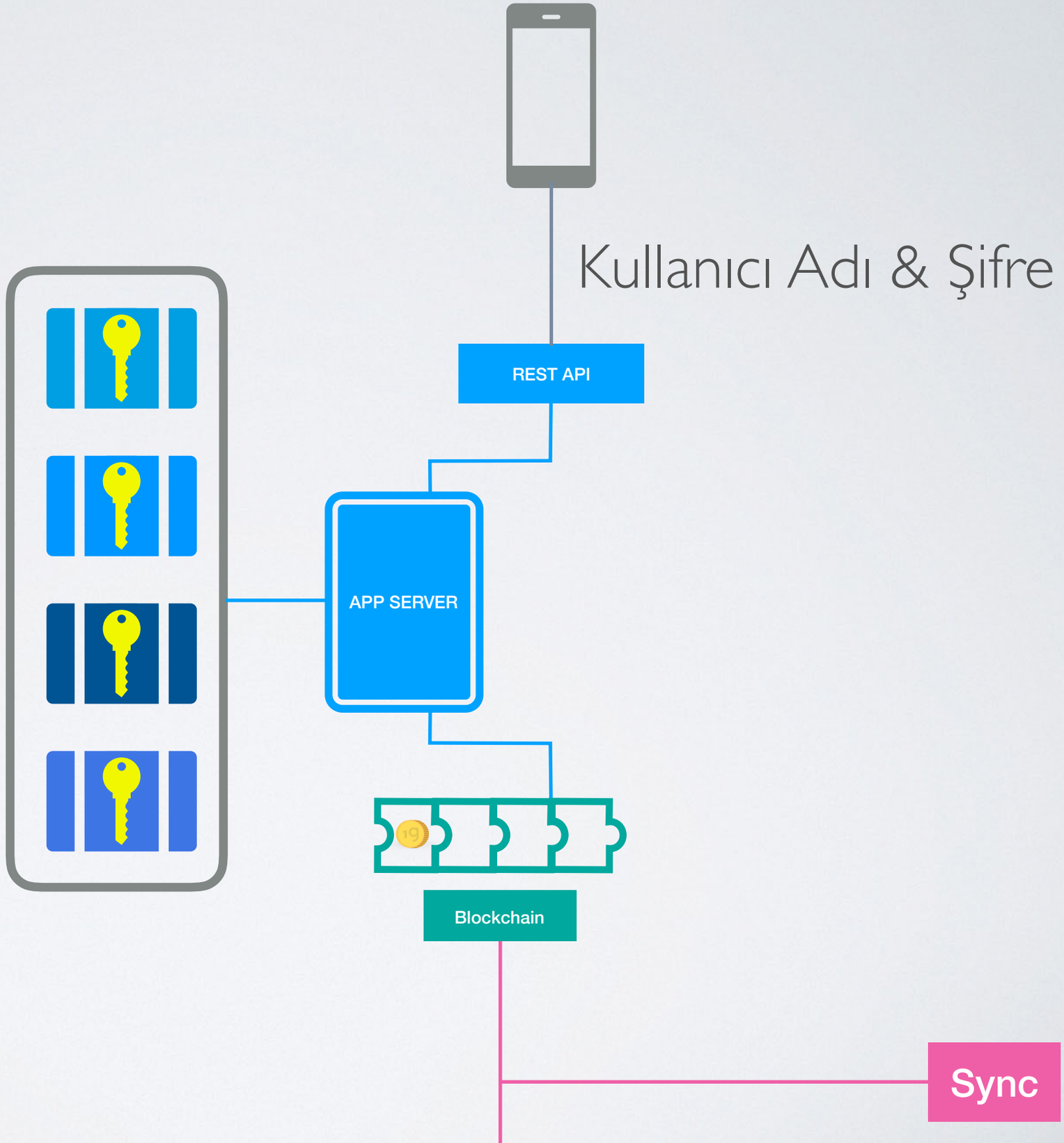
Bulutta Cüzdan Hizmeti



Bulutta Cüzdan Hizmeti

Sorunlar

- Kullanıcı varlıkların gerçek sahibi olmuyor
- Çalınma durumunda tüm anahtarlar beraber çalınıyor



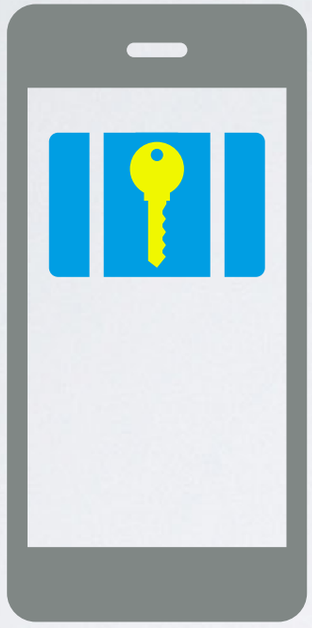
İdeal Senaryo

Varlıkların gerçek sahibi kullanıcı olmalı

Tarihçe ve büyük veri telefonda tutulmamalı

Telefonun sürekli bağlı olmaya ihtiyacı olmamalı

Hibrit Cüzdan



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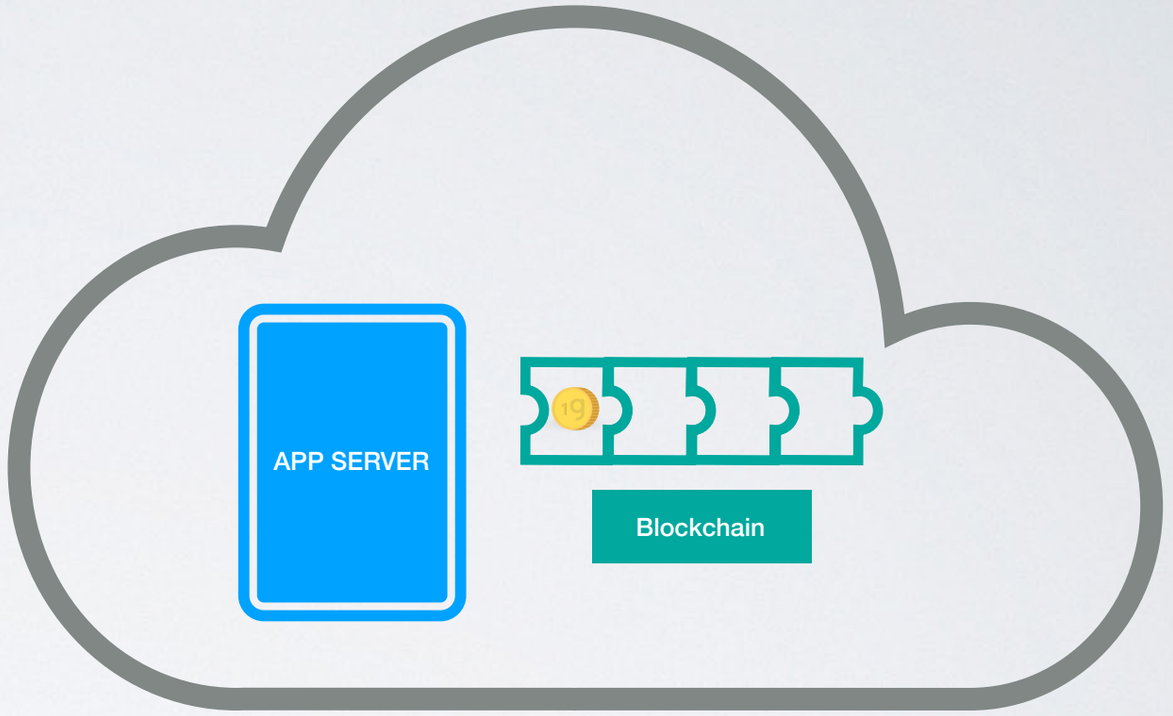

Diğer İşlemler (Sandbox)

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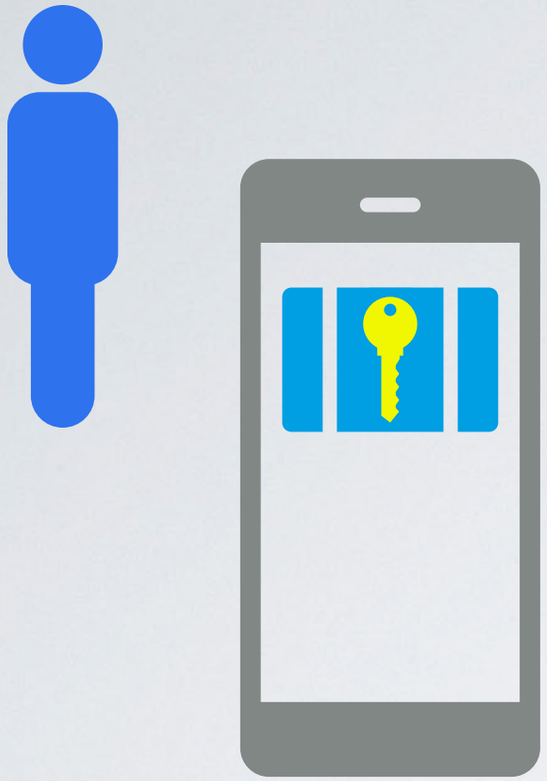

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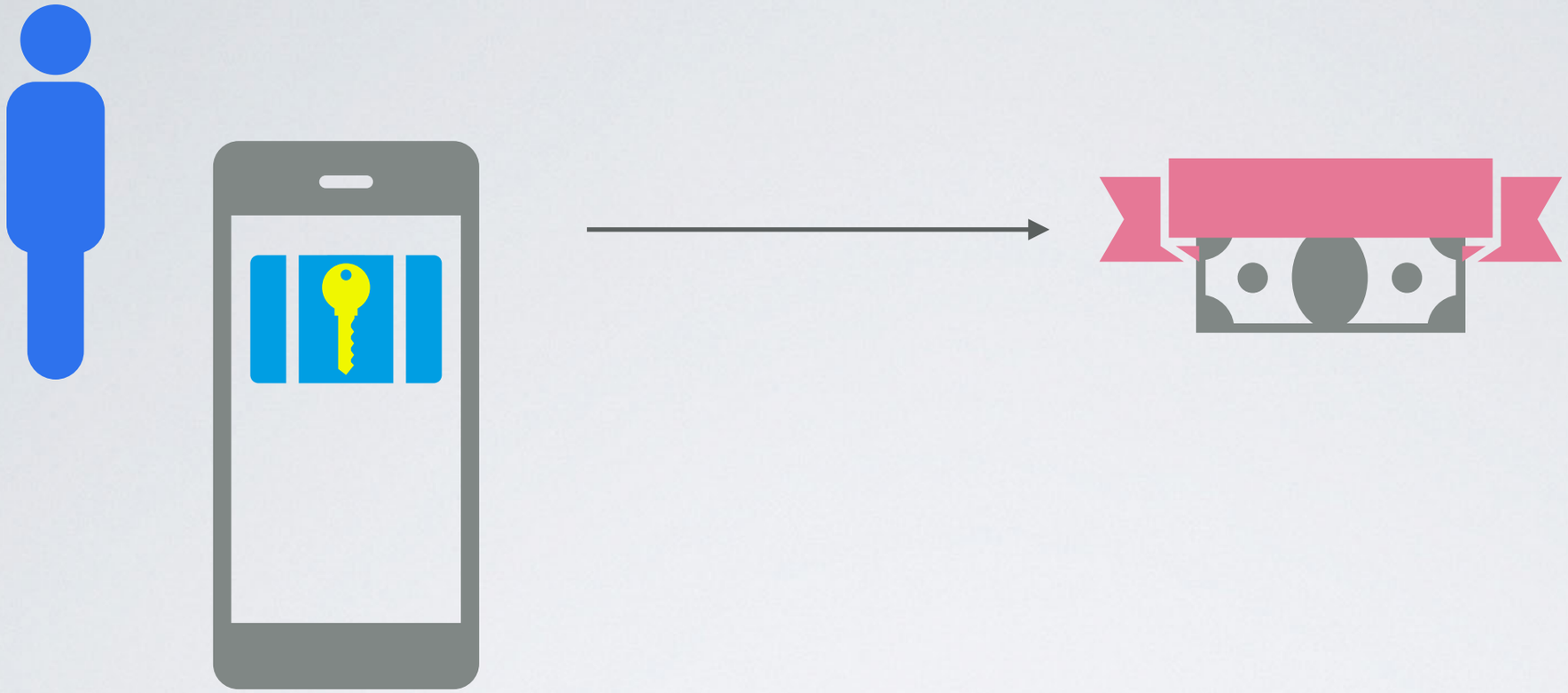

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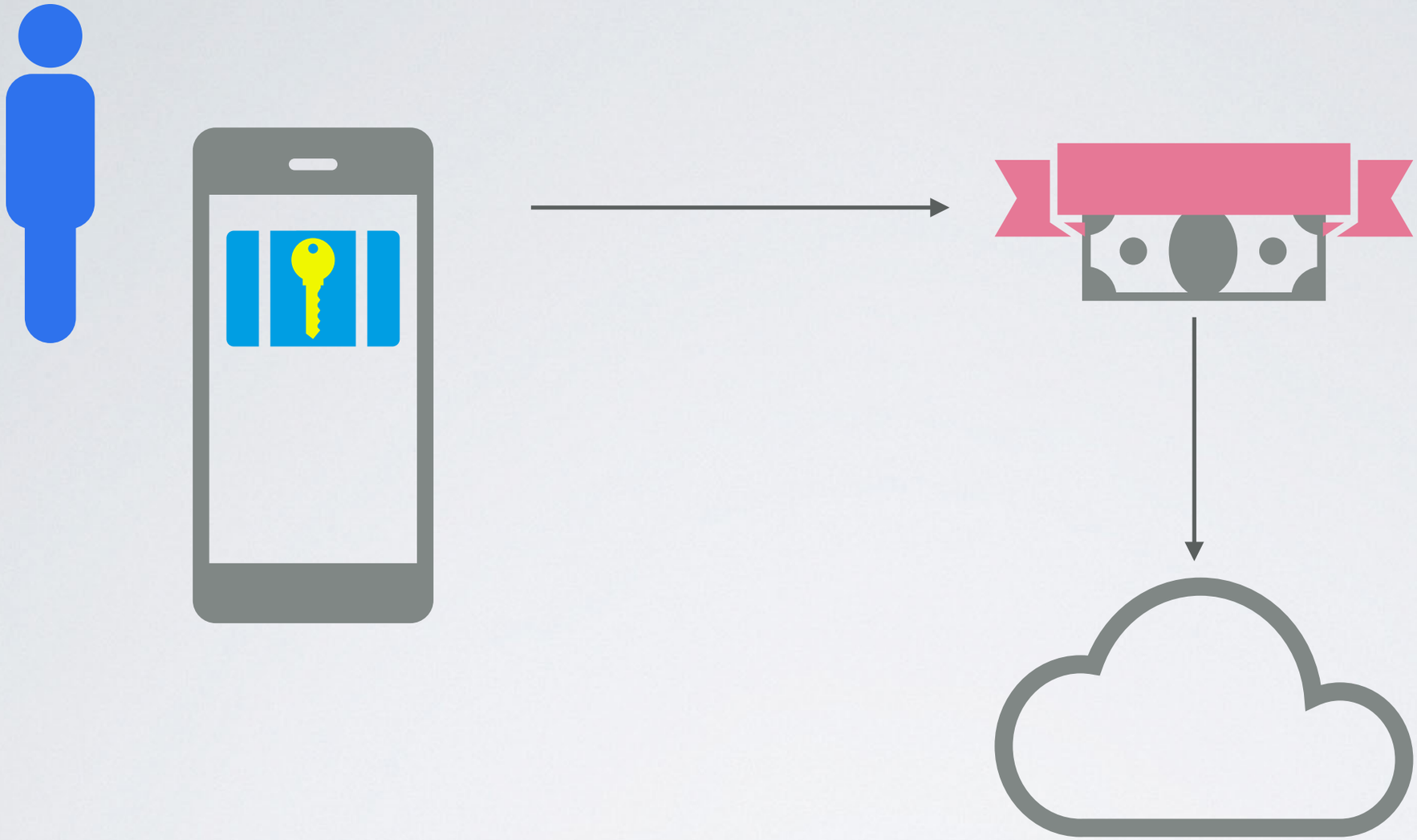

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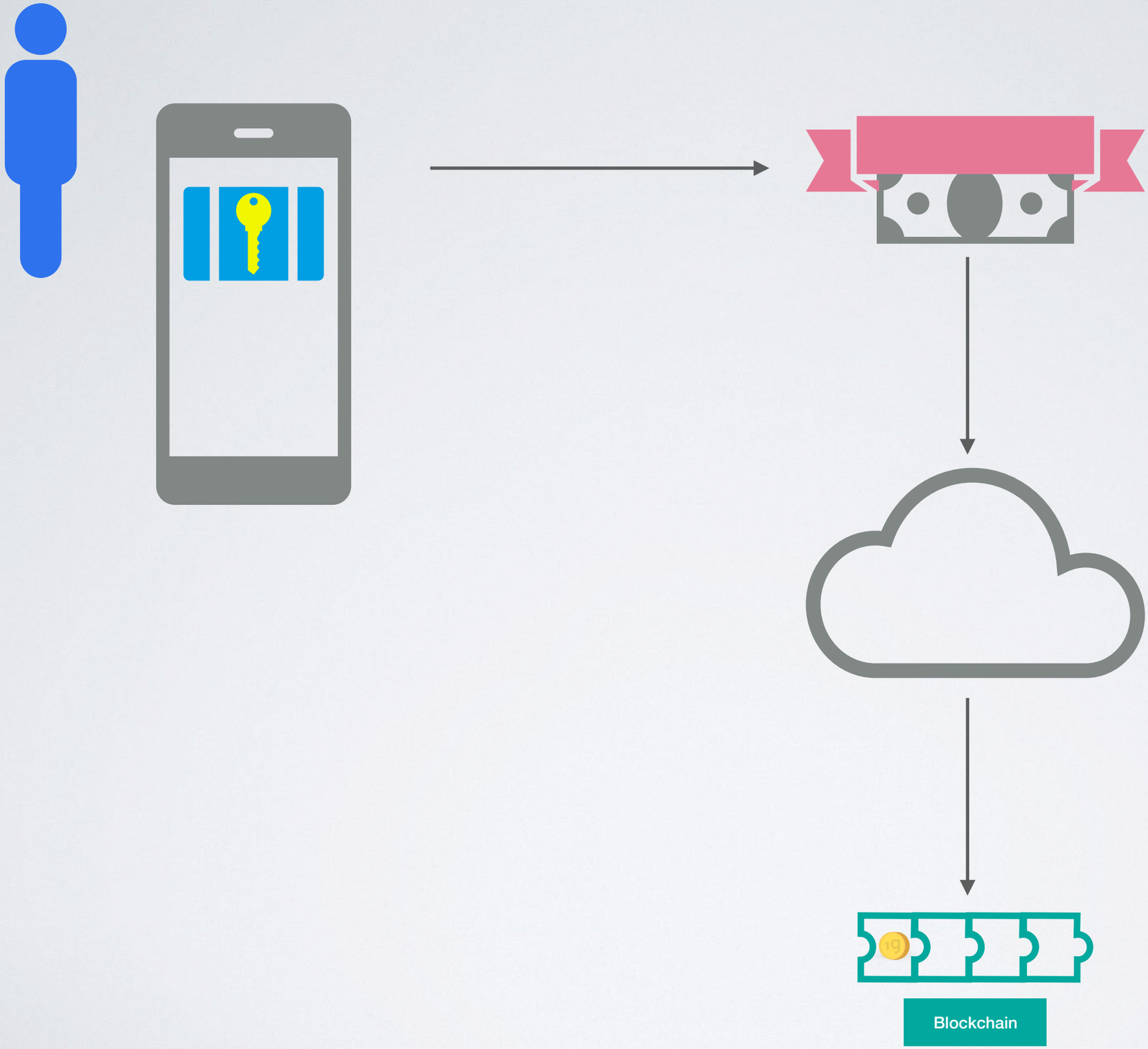

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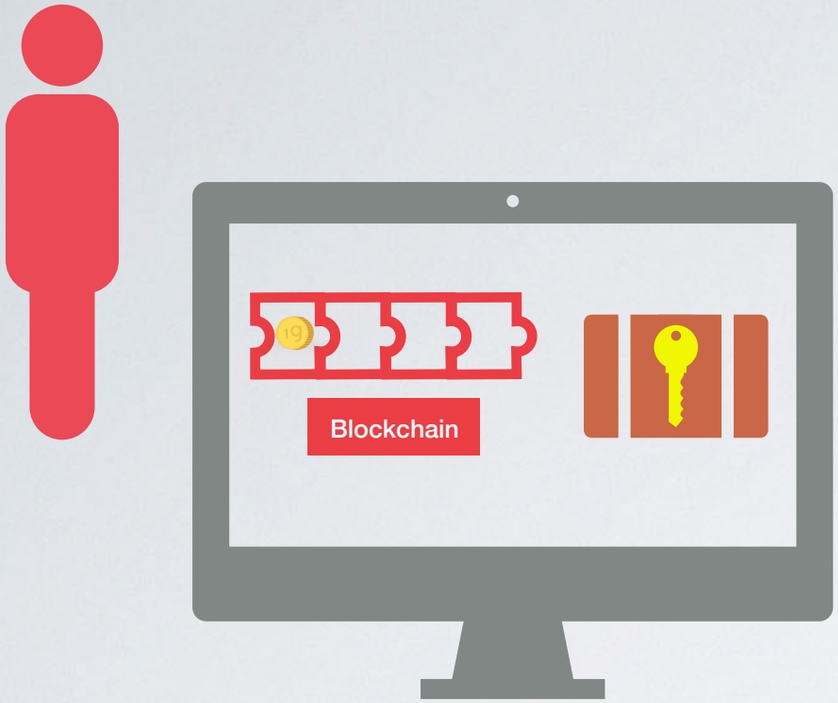

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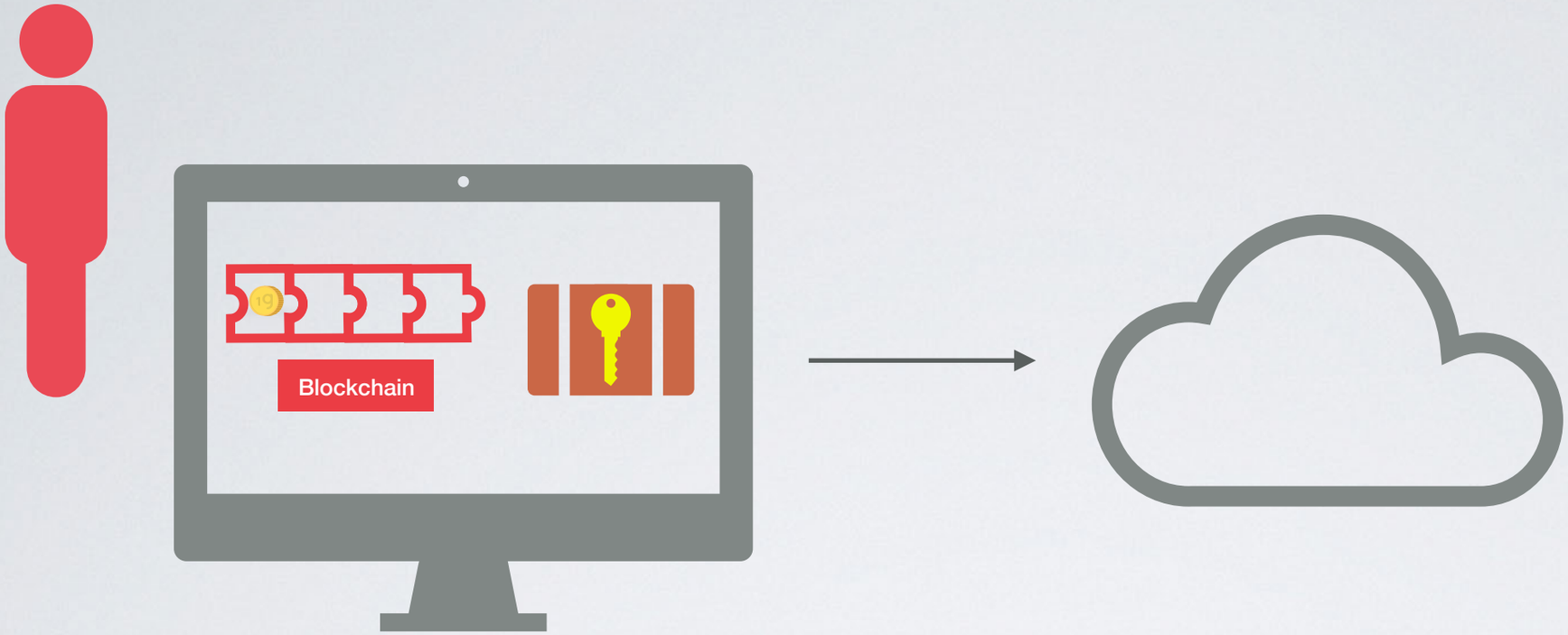

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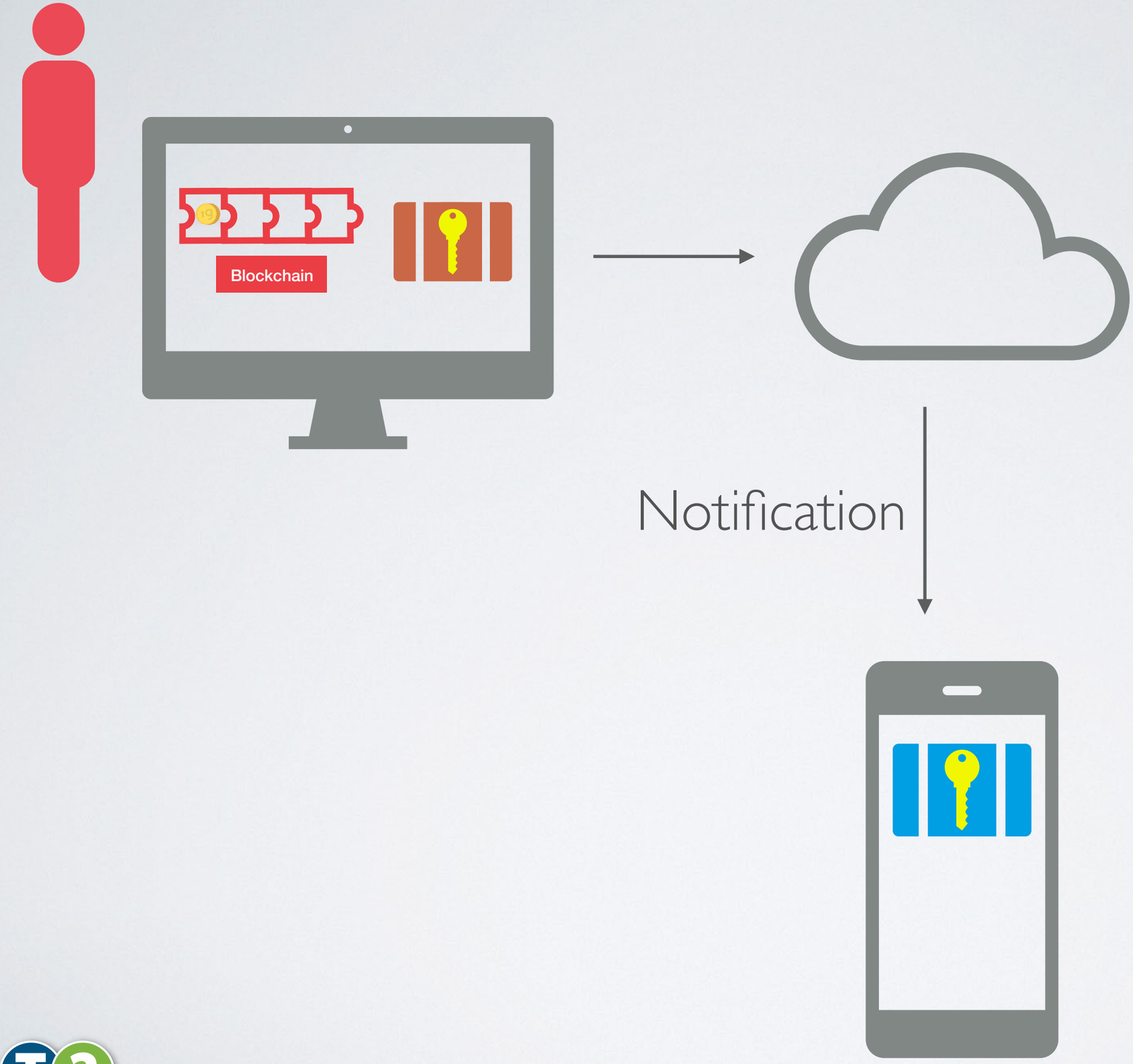

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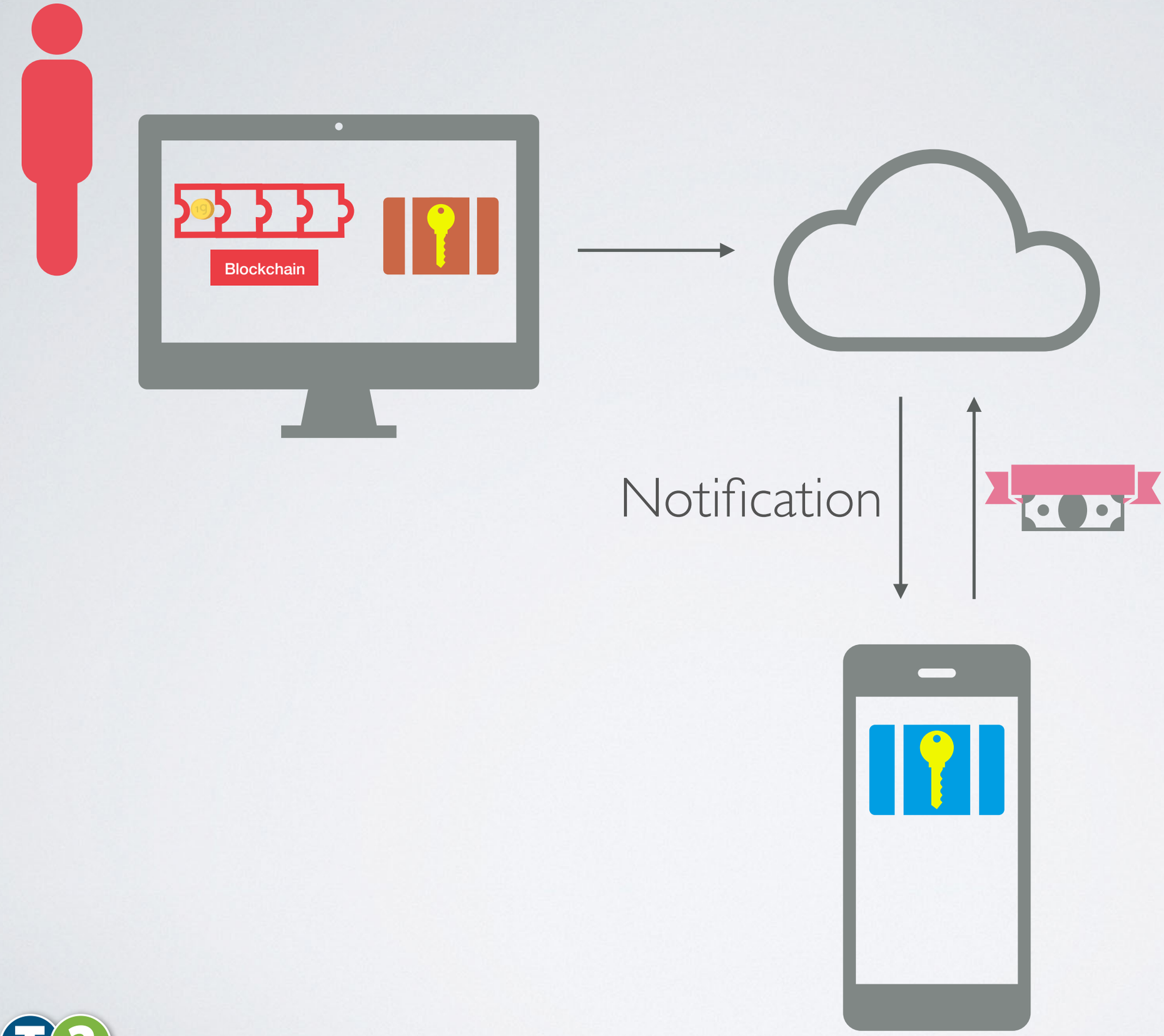

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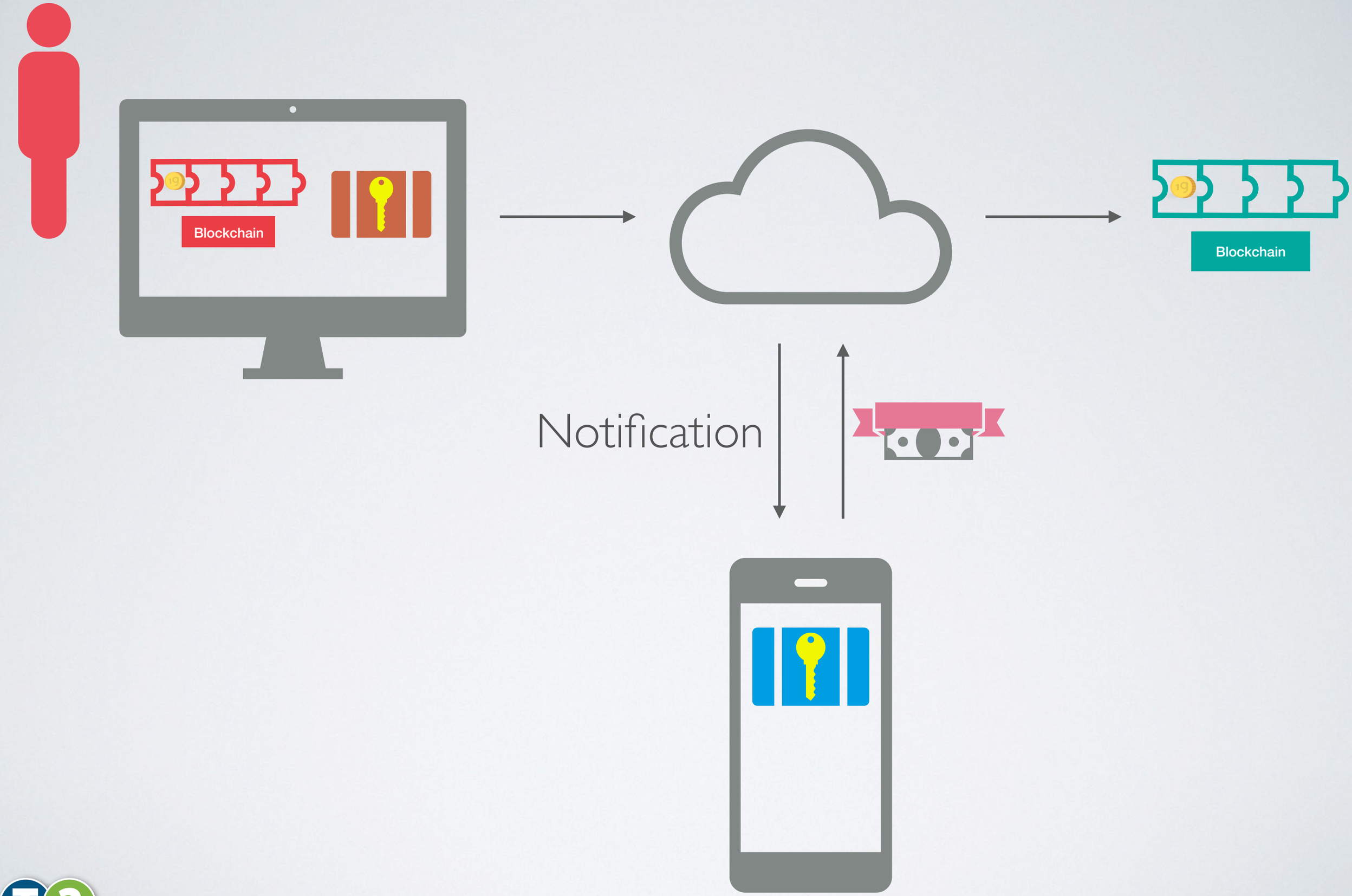


Politika Tabanlı İmzalama

Belli koşulları tanımlayabilsin

Koşullar geçerli ise otomatik imzalasın

Kullanıcının gizli anahtarı asla açığa çıkarılamayacak

Politika Tabanlı İmzalama

- Serialized [0,1]*
- Domain Specific Language

Politika

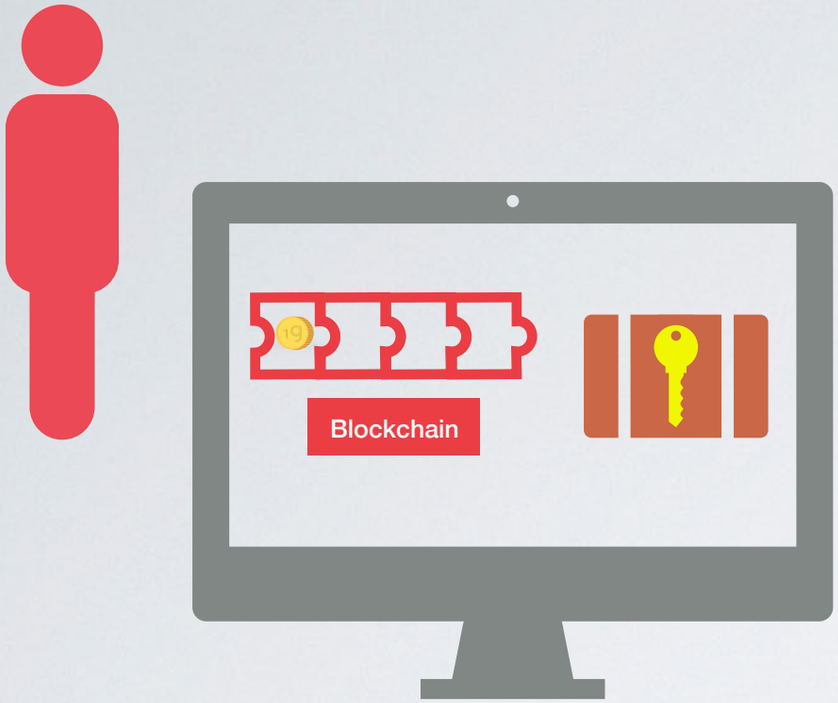
Örnek: Ali'den gelen tüm işlemleri kabul et.

Politika Tabanlı İmzalama

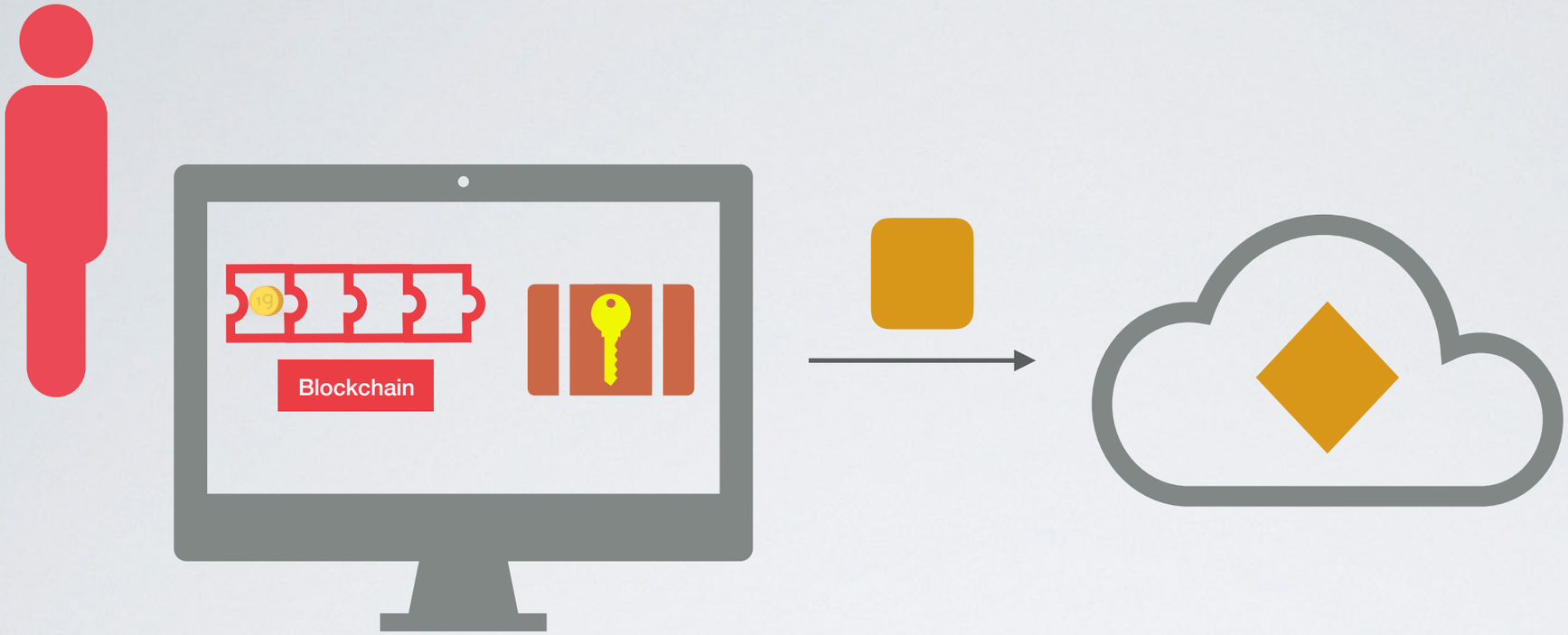
Politika İşlem/İstek İmzalanmış İşlem

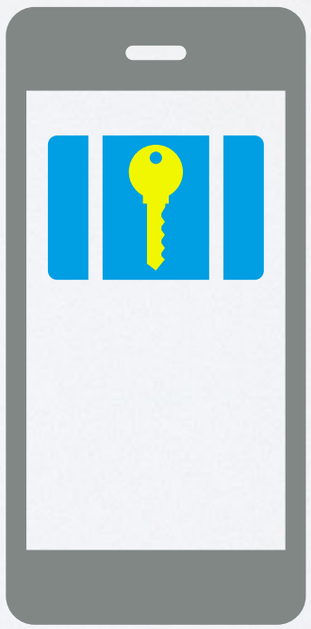
*Non-Interactive Zero Knowledge Proof

Politika Tabanlı İmzalama

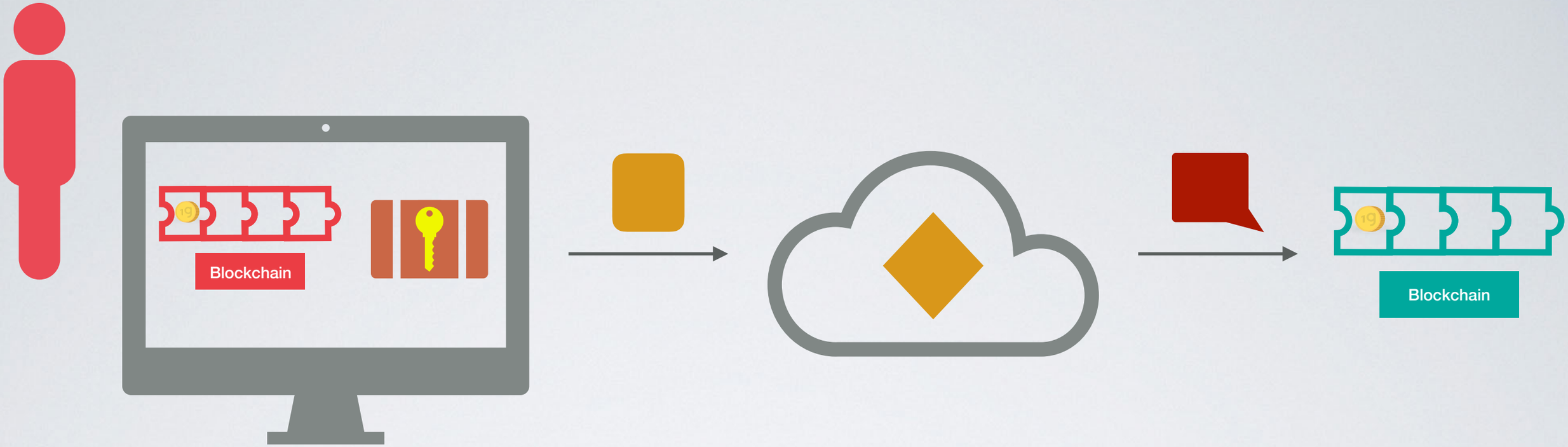


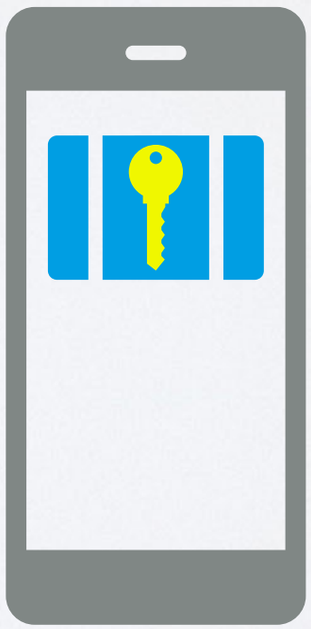
Politika Tabanlı İmzalama





Politika Tabanlı İmzalama





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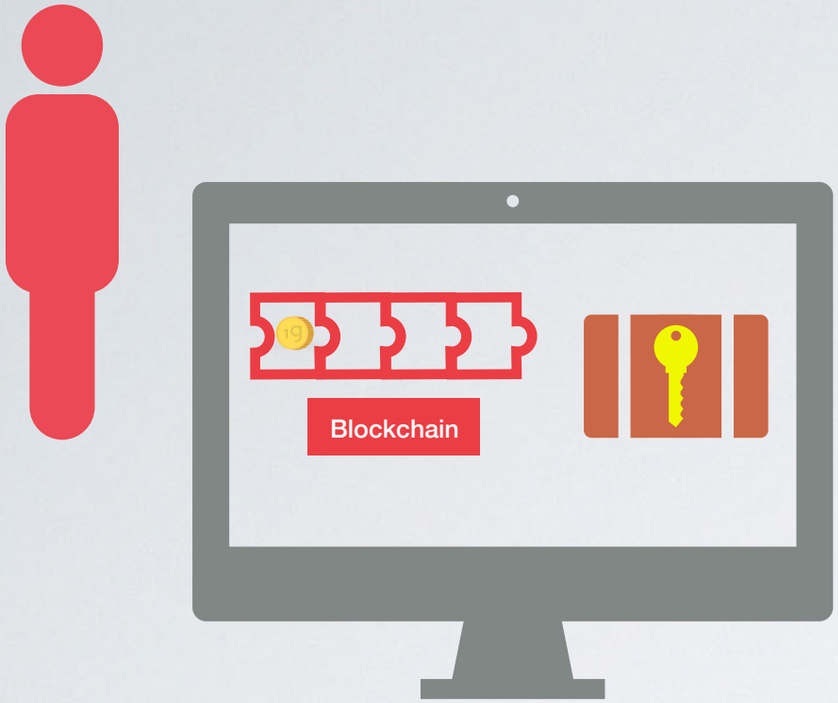

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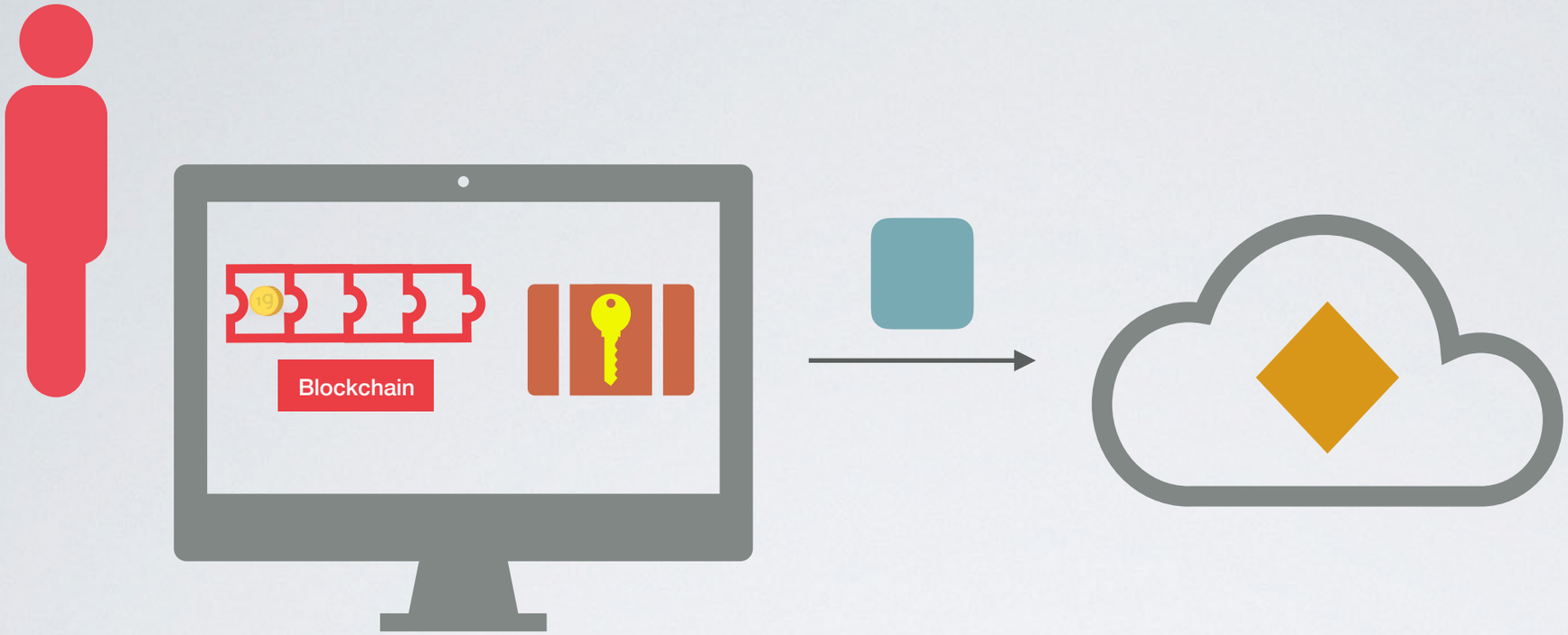

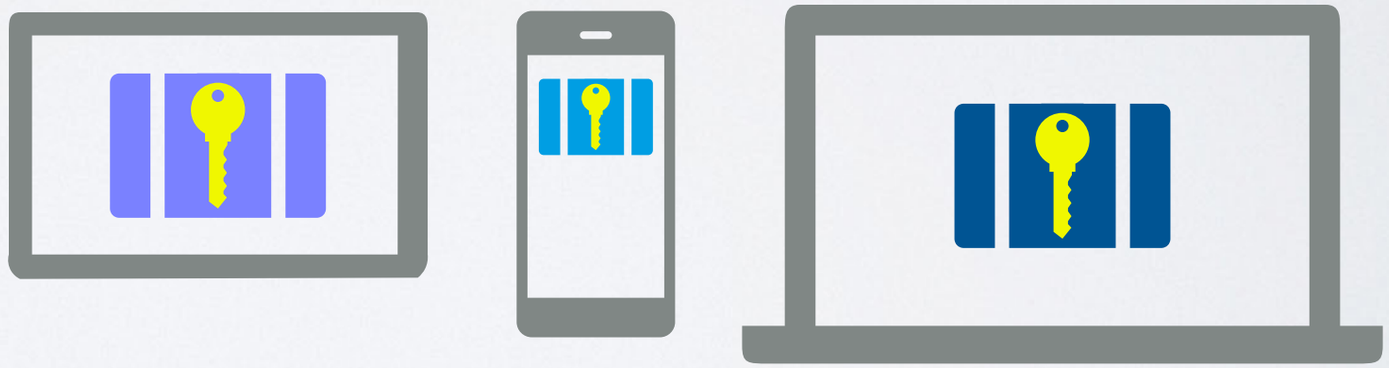

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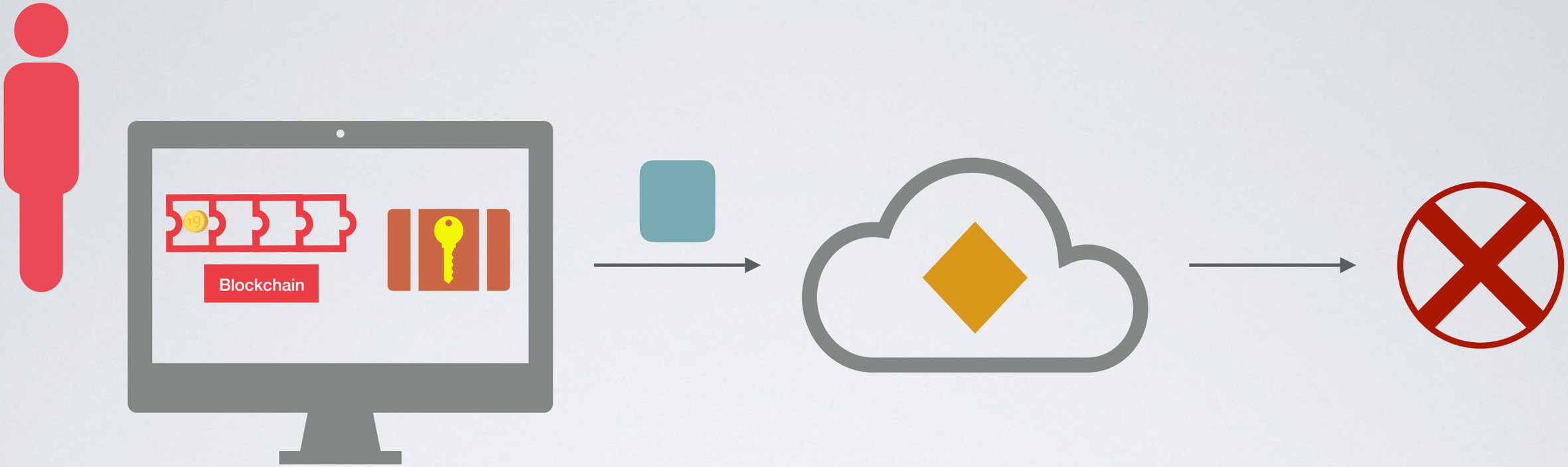

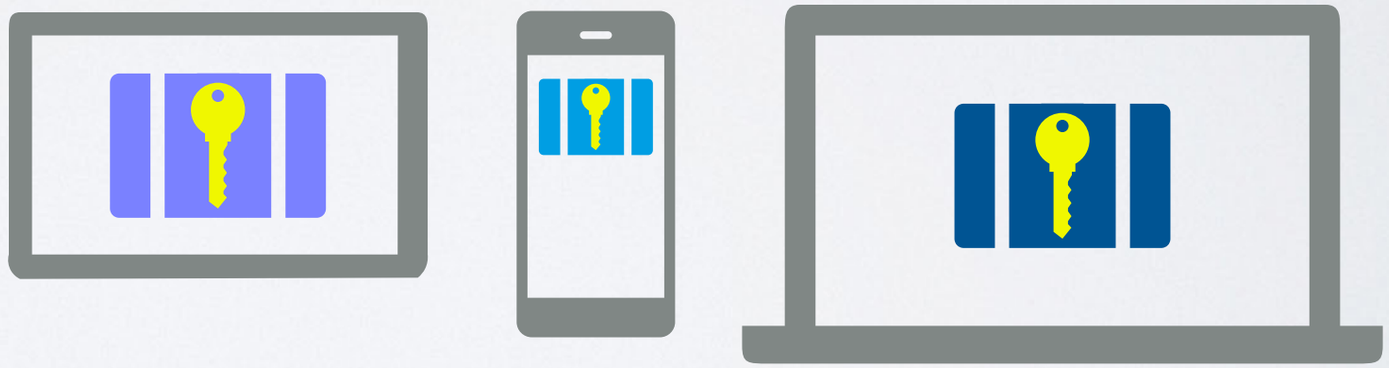

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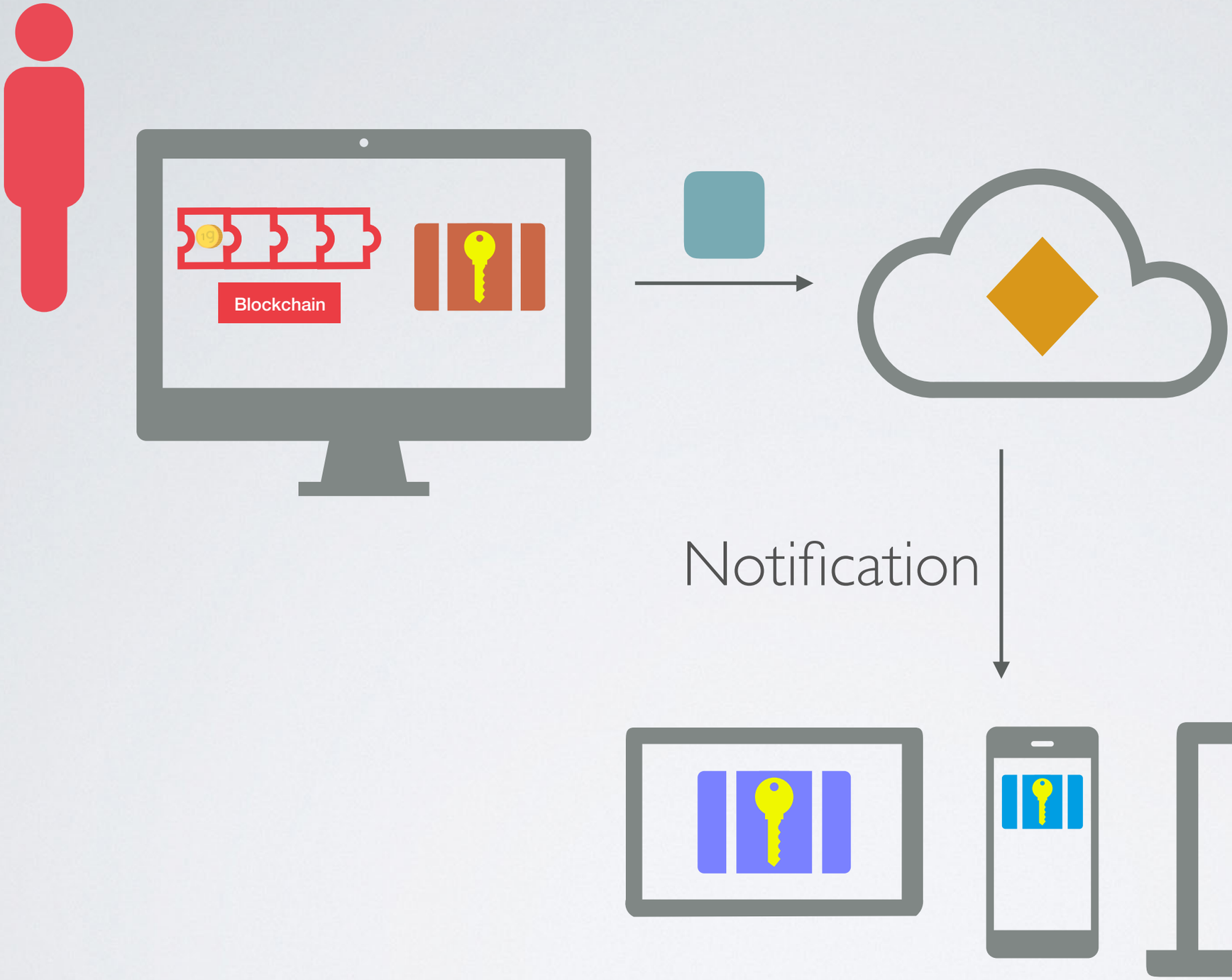
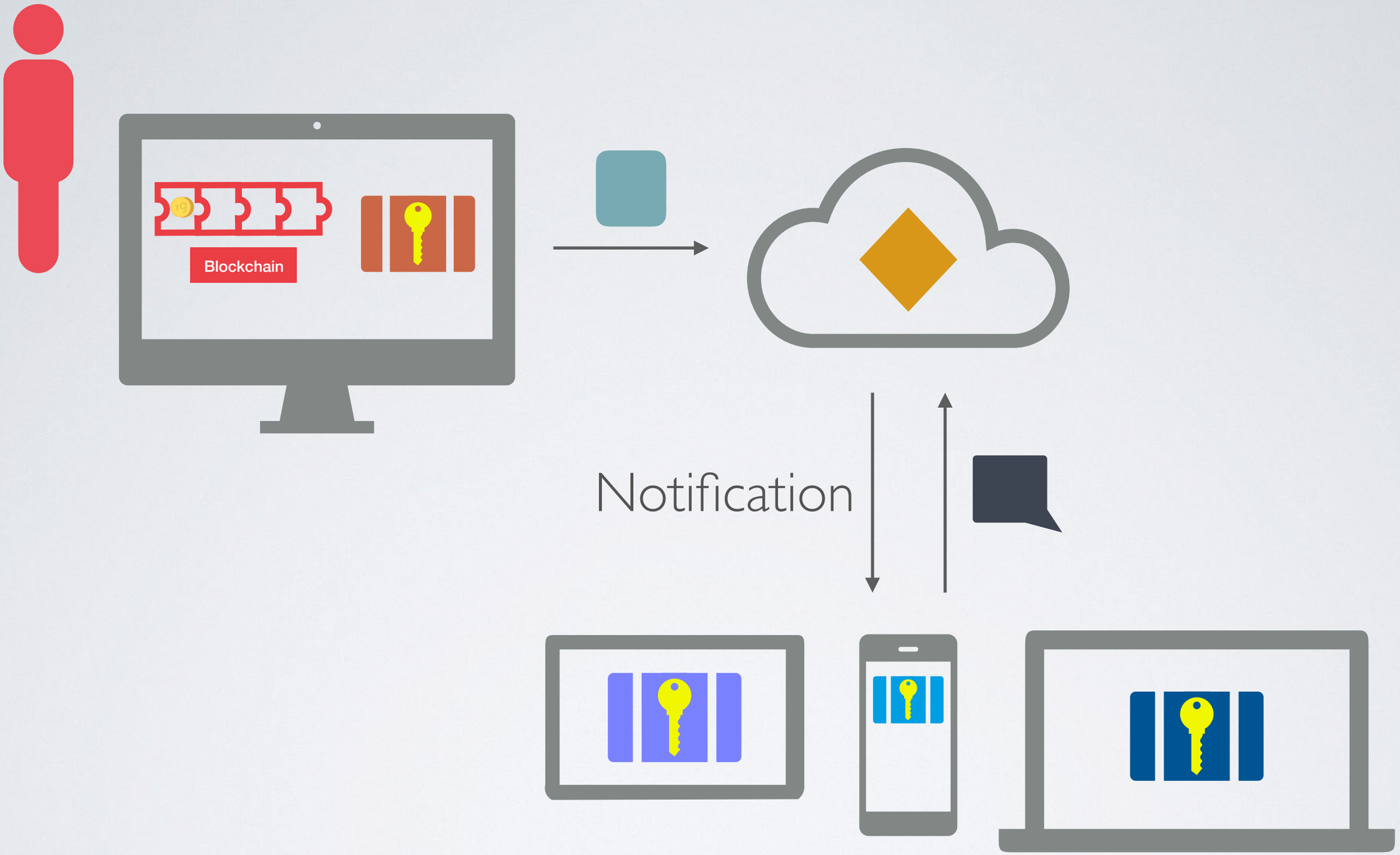


Eşik Kriptografisi

Politika Tabanlı İmzalama



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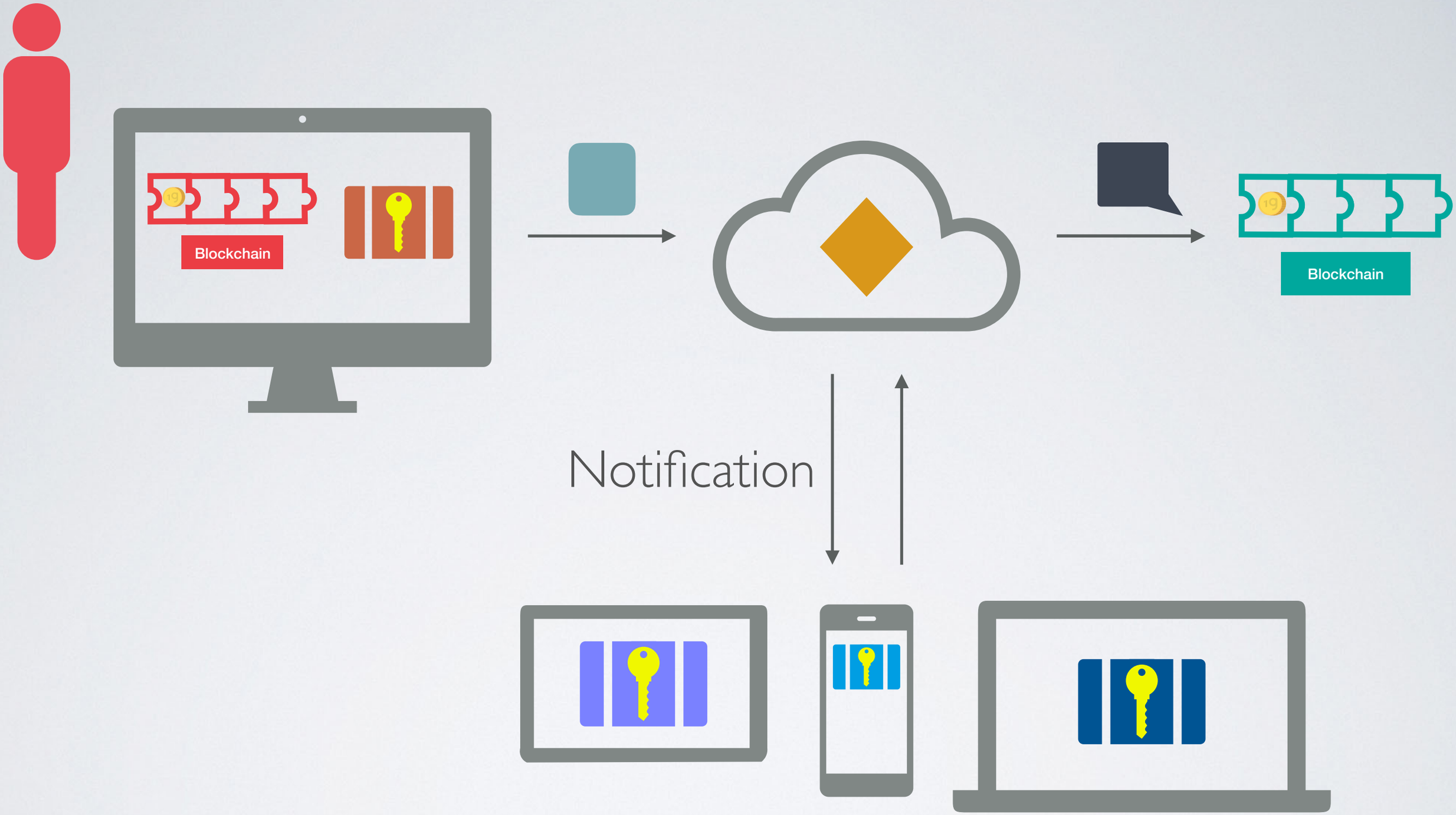

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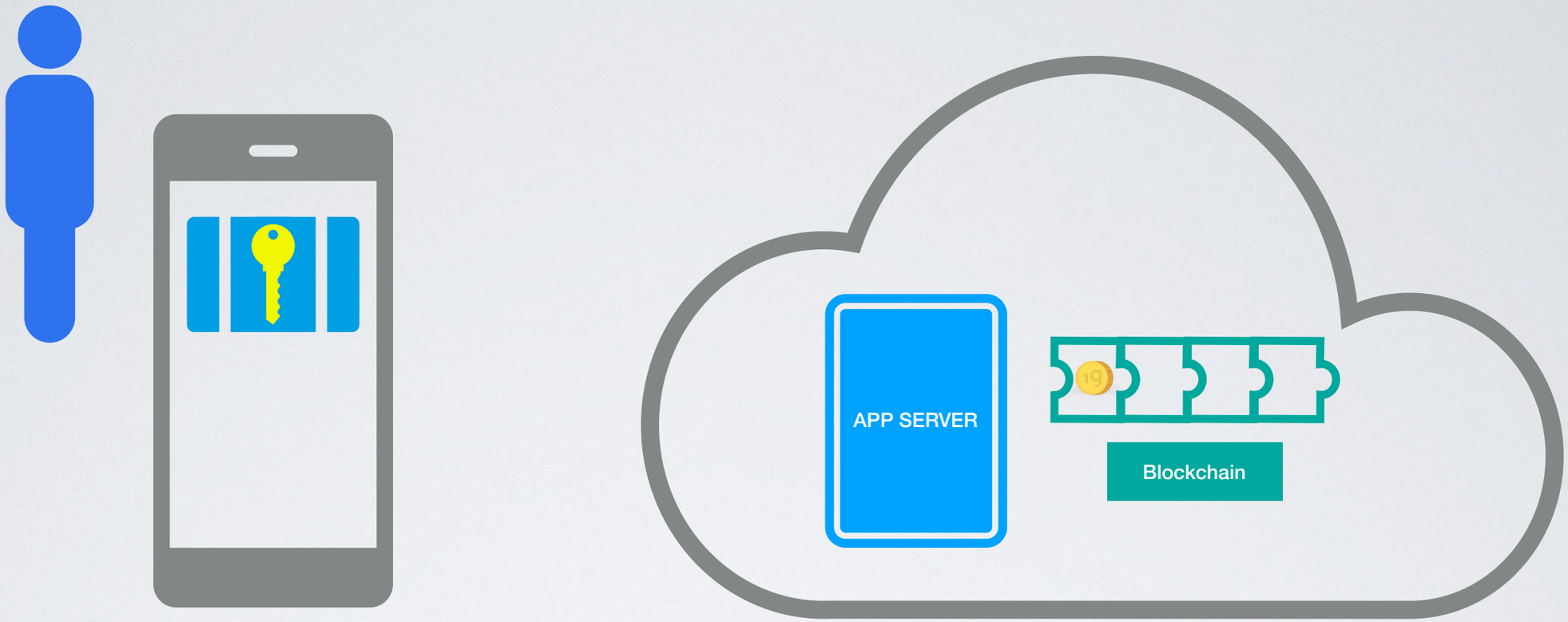

Politika + İşlem/İstek = İmzalı İşlem