A close-up photograph of a white boat's hull and a metal chain anchor in the water. The chain is rusted and attached to a metal plate on the hull. The water is dark blue.

Blockchain Course

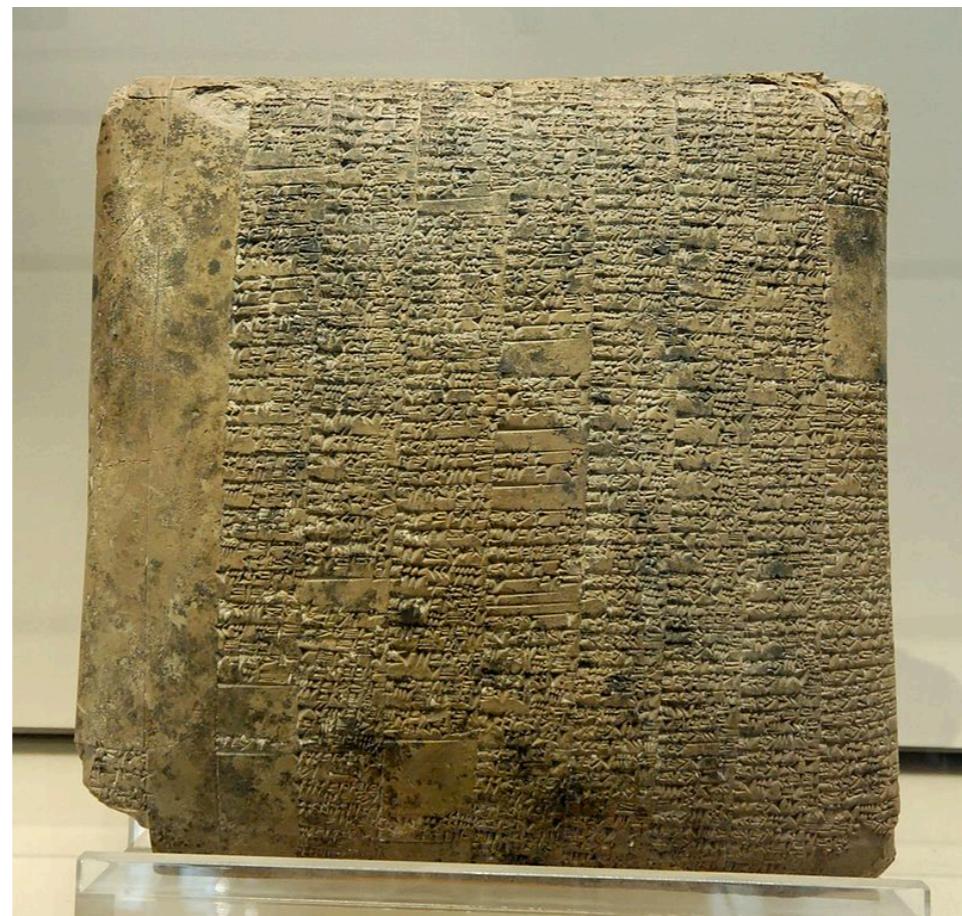
Arthur Gervais

A close-up photograph of a white boat's bow and anchor chain against a dark blue sea. The boat's white hull is visible on the left, showing some wear and a metal plate with a chain attached. A thick, rusty anchor chain runs across the frame. The water is a deep, dark blue.

Introduction

2040 BC

2040 BC



Balance sheet - Mesopotamia

Balance sheet



Mesopotamia

2040 BC

Centralized
Banking

Balance sheet



Mesopotamia

2040 BC

Centralized
Banking

Balance sheet



Mesopotamia

2040 BC

Centralized
Banking

Balance sheet



Mesopotamia

HSBC 

 BNP PARIBAS

2040 BC

1848



 Bank of America

Centralized
Banking

Balance sheet



Centralized
Banking

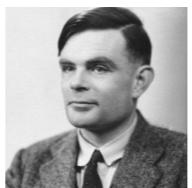
Balance sheet



Mesopotamia



HSBC



Turing

VISA

2040 BC

1848

1936

1958



Bank of America



Centralized
Banking

Balance sheet



Mesopotamia



2040 BC

1848



Turing



1936

1958



ECash



Chaum

1983

Centralized
Banking

Privacy-Preserving
Banking

Balance sheet



Mesopotamia



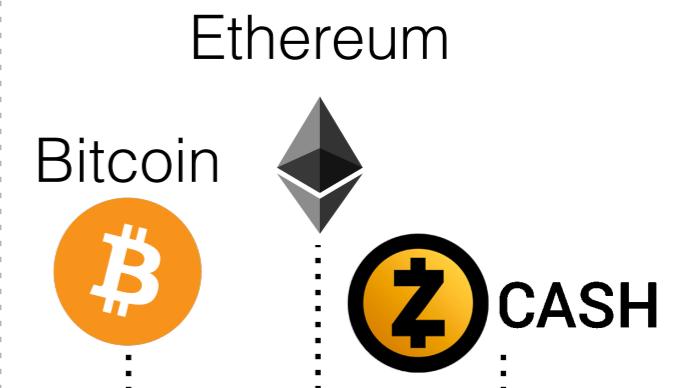
Turing



ECash



Chaum

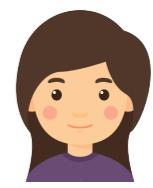


Centralized
Banking

Privacy-Preserving
Banking

Decentralized
Banking

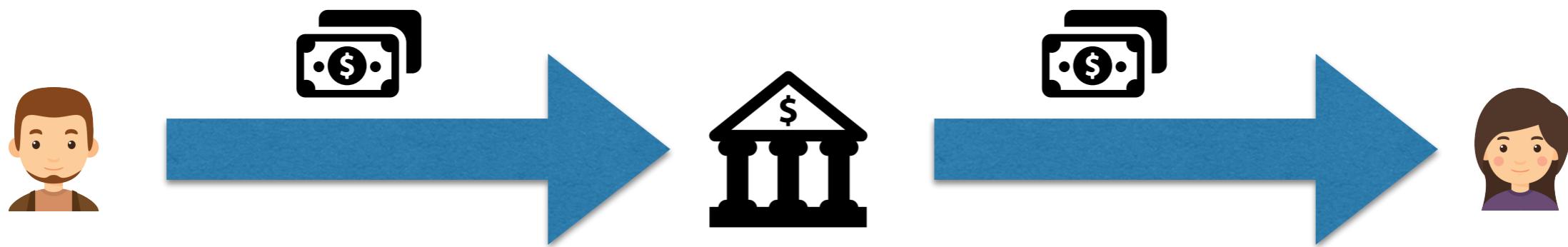
From Centralized to Decentralized Payment Systems



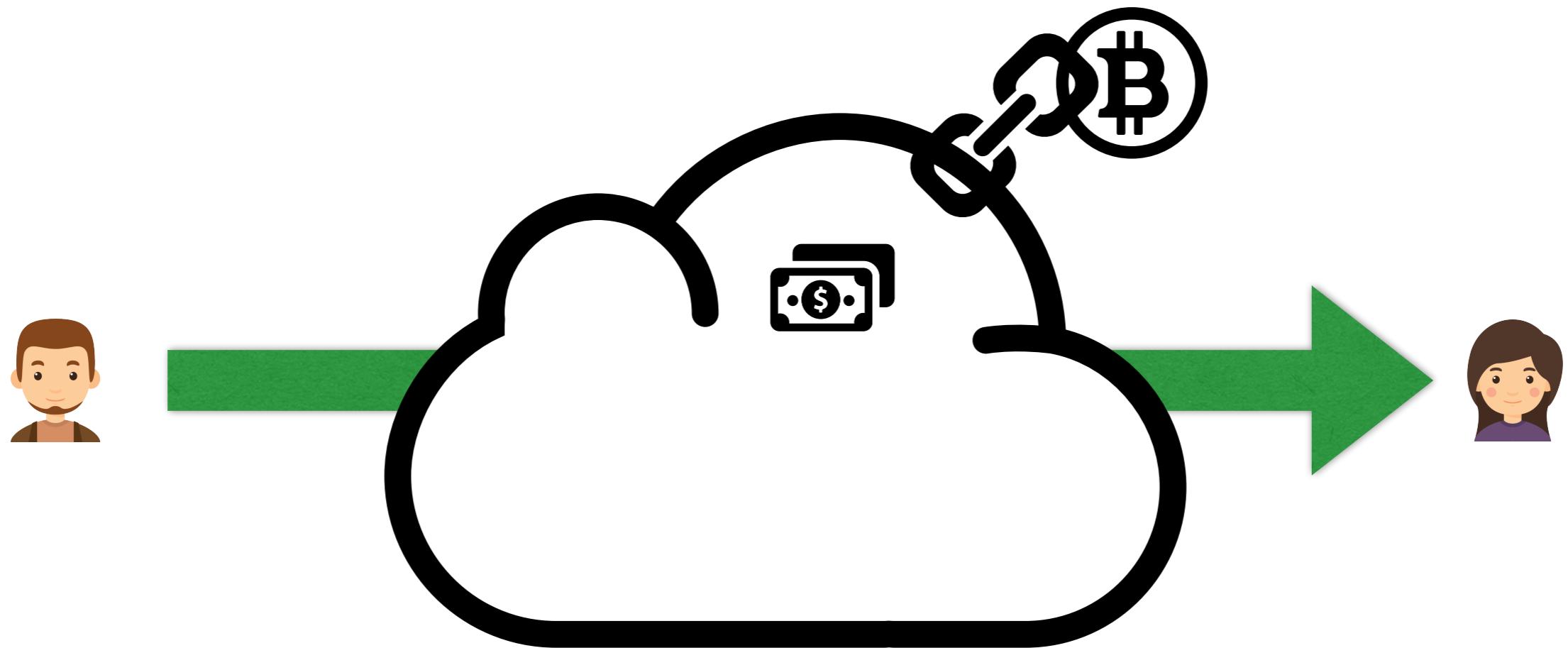
From Centralized to Decentralized Payment Systems



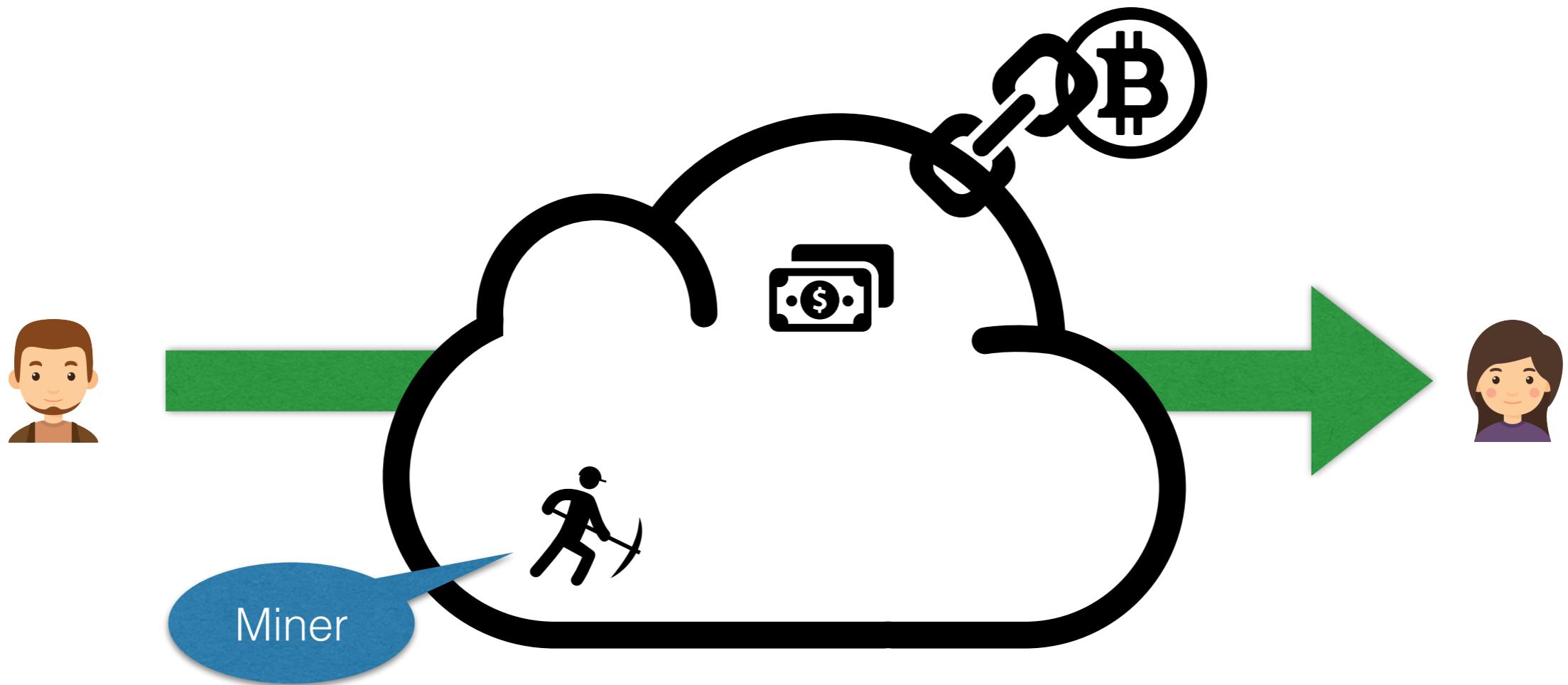
From Centralized to Decentralized Payment Systems



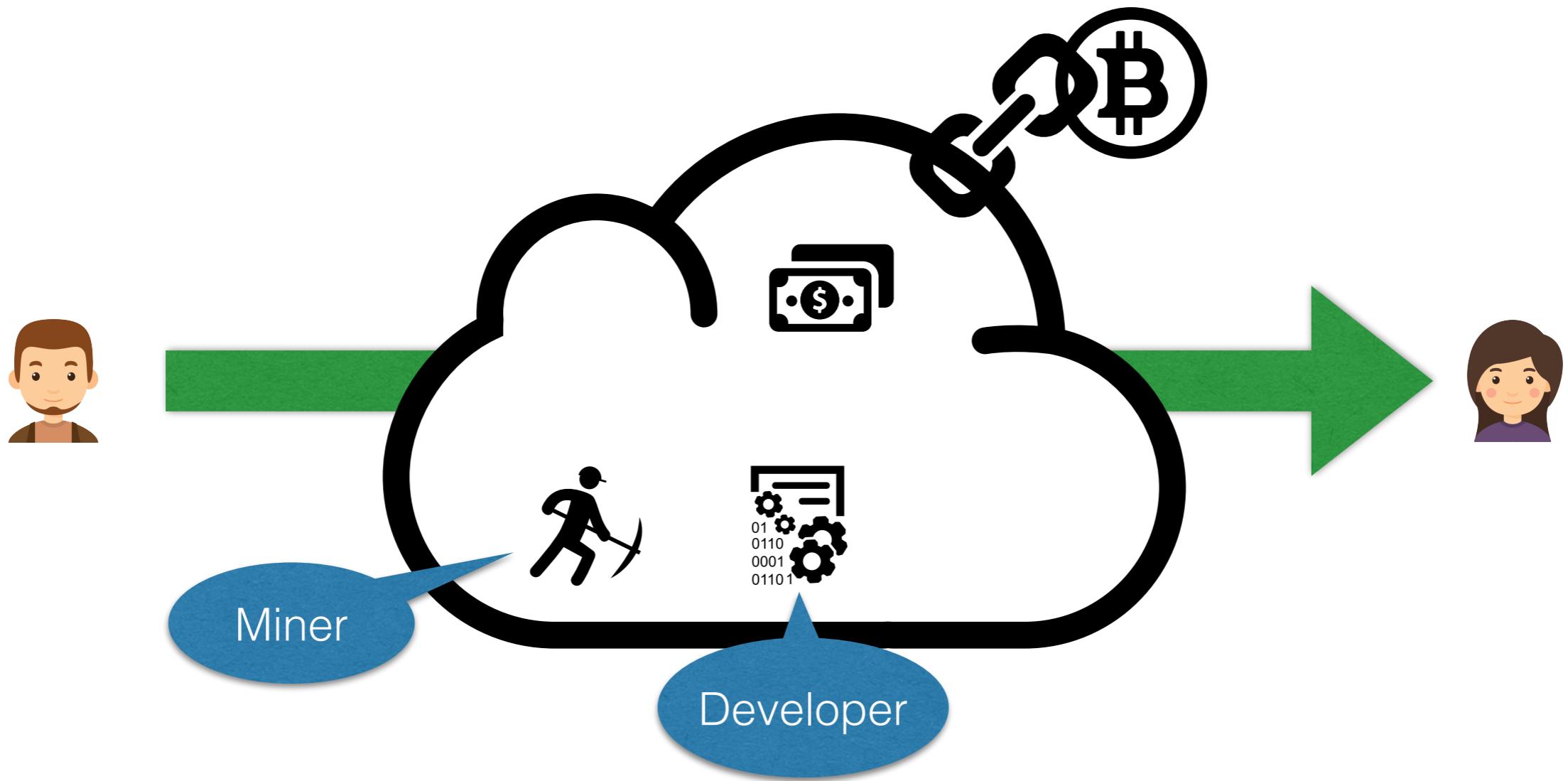
From Centralized to Decentralized Payment Systems



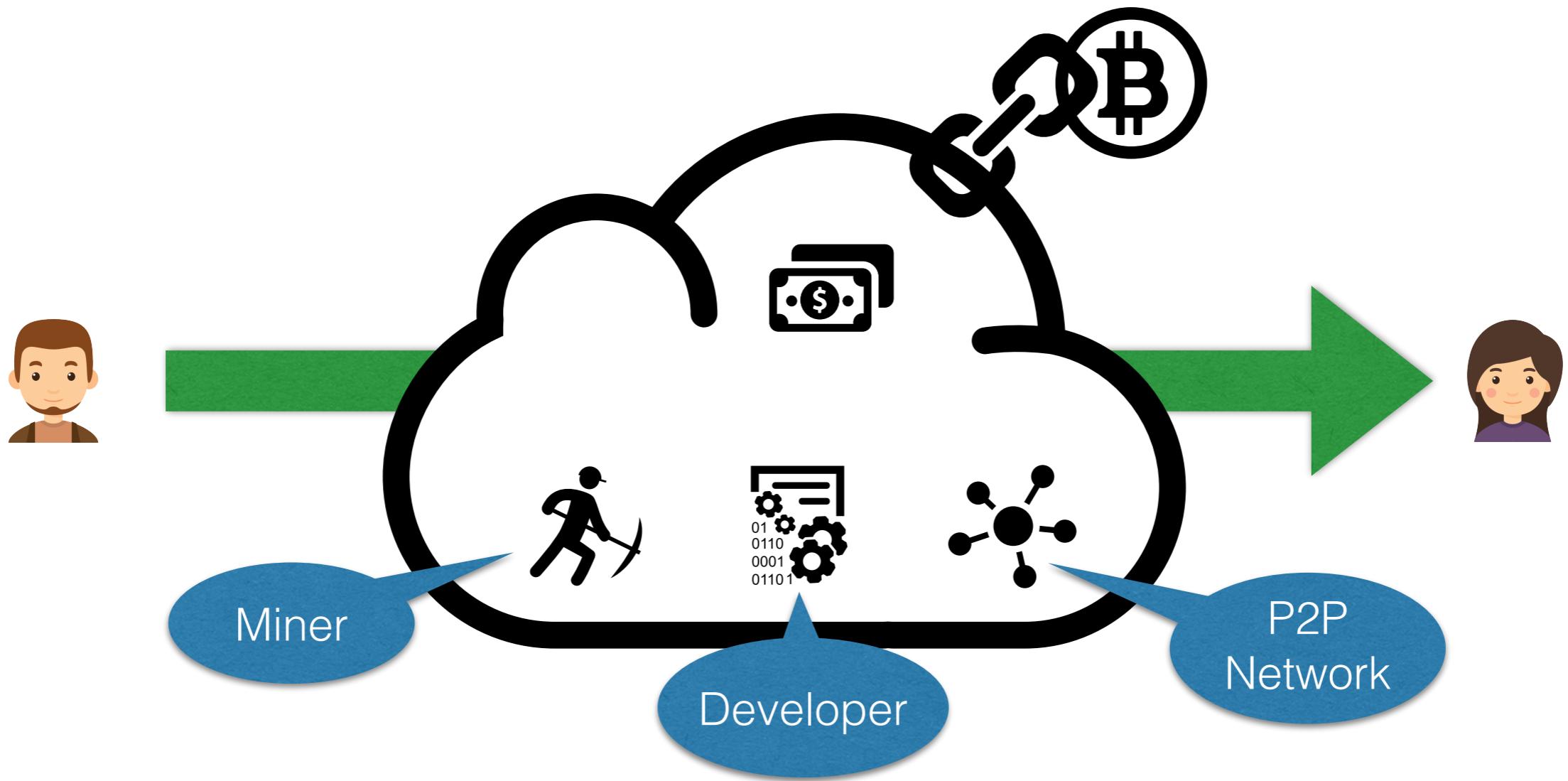
From Centralized to Decentralized Payment Systems



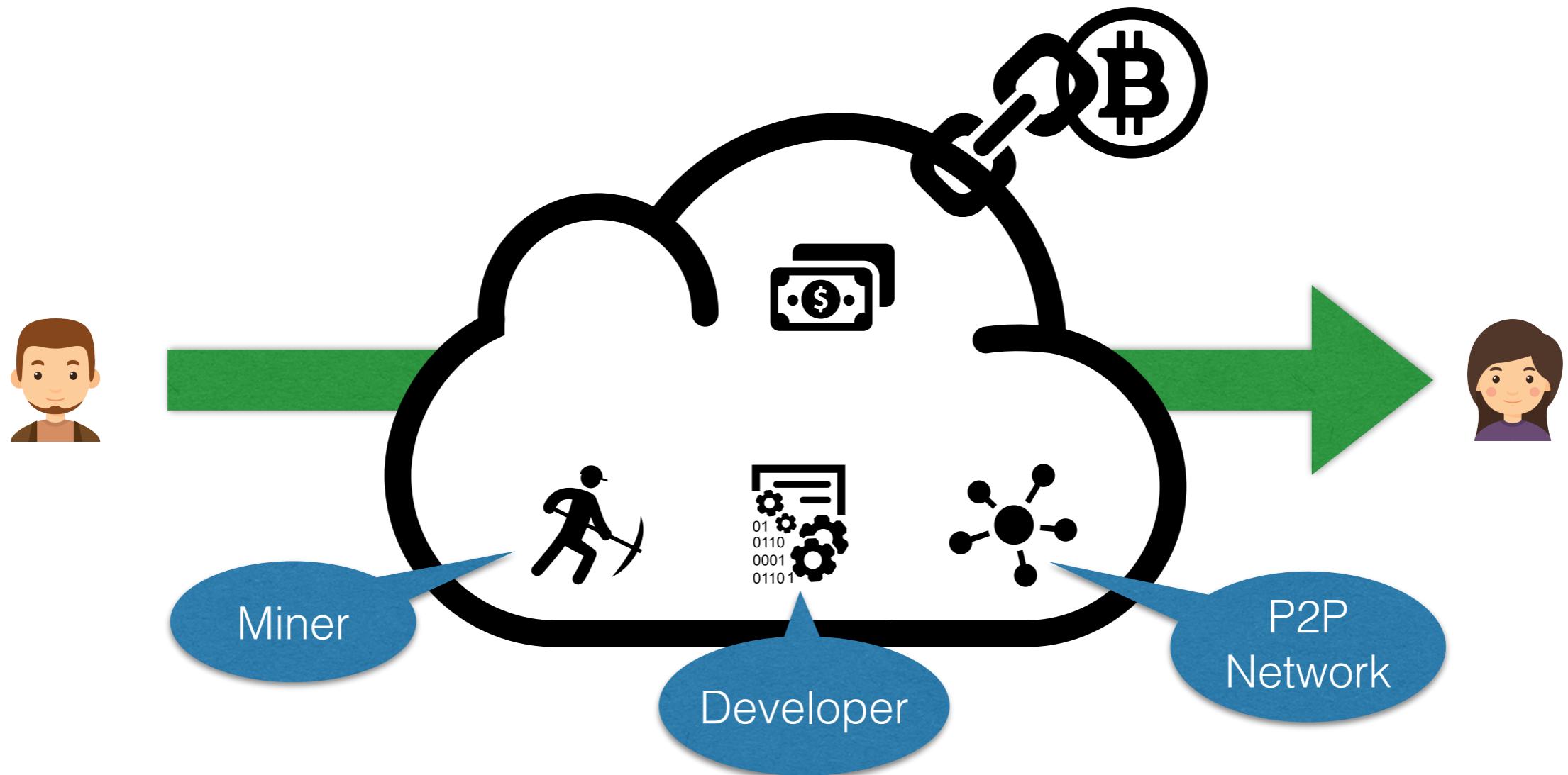
From Centralized to Decentralized Payment Systems



From Centralized to Decentralized Payment Systems



From Centralized to Decentralized Payment Systems



How to perform secure **decentralised** payments?



How to exchange **privacy-preserving** payments?



How to make decentralised systems **efficient**?



Course Outline

