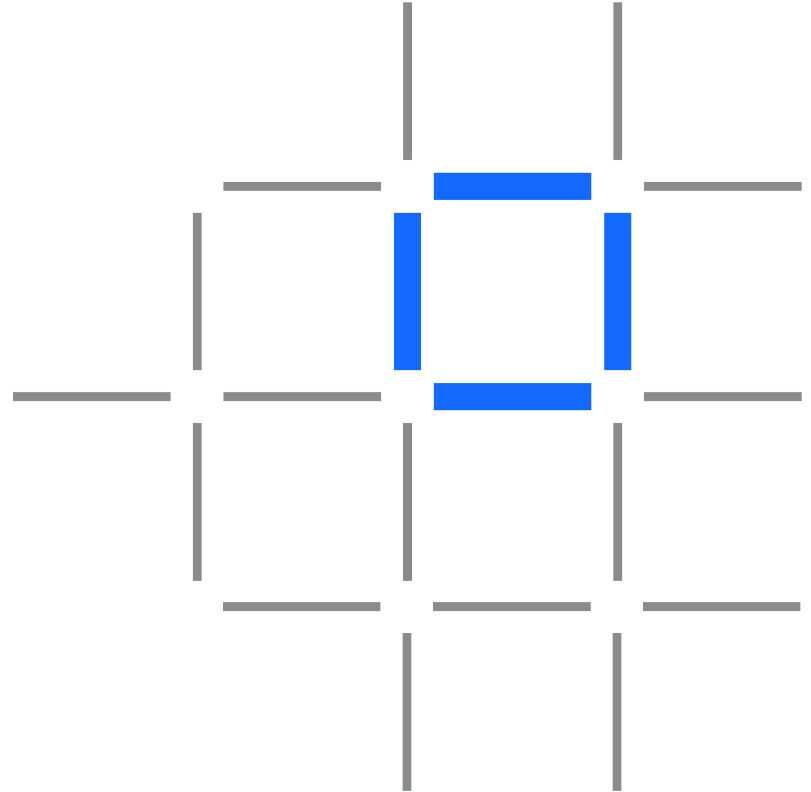


# Lab 1

## *Asset Exchange*

### IBM Blockchain

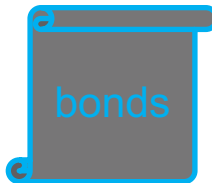
Blockchain education series



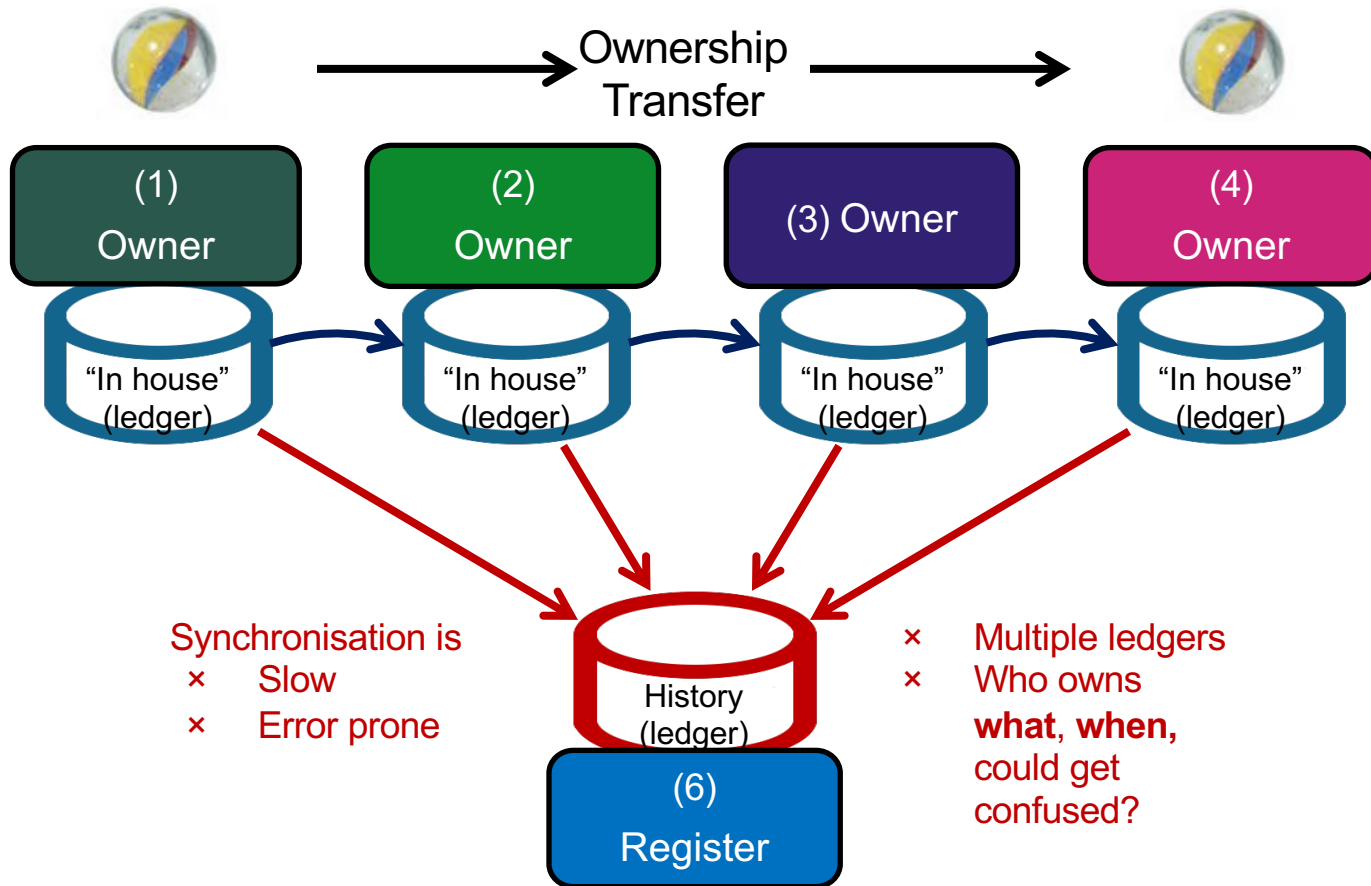
# Asset Transfer Scenario



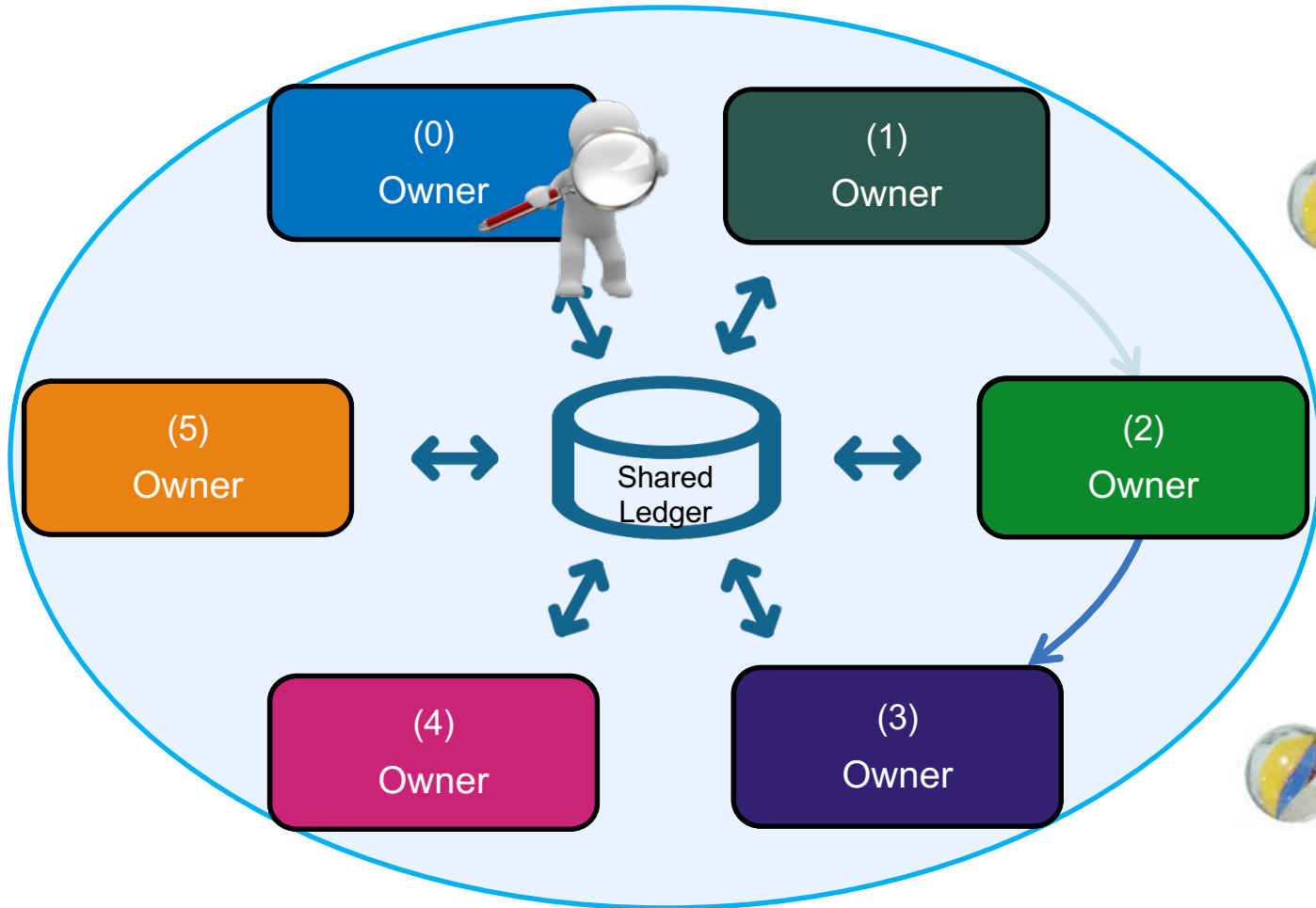
We will be transferring Marbles  
( ...but it could be anything )



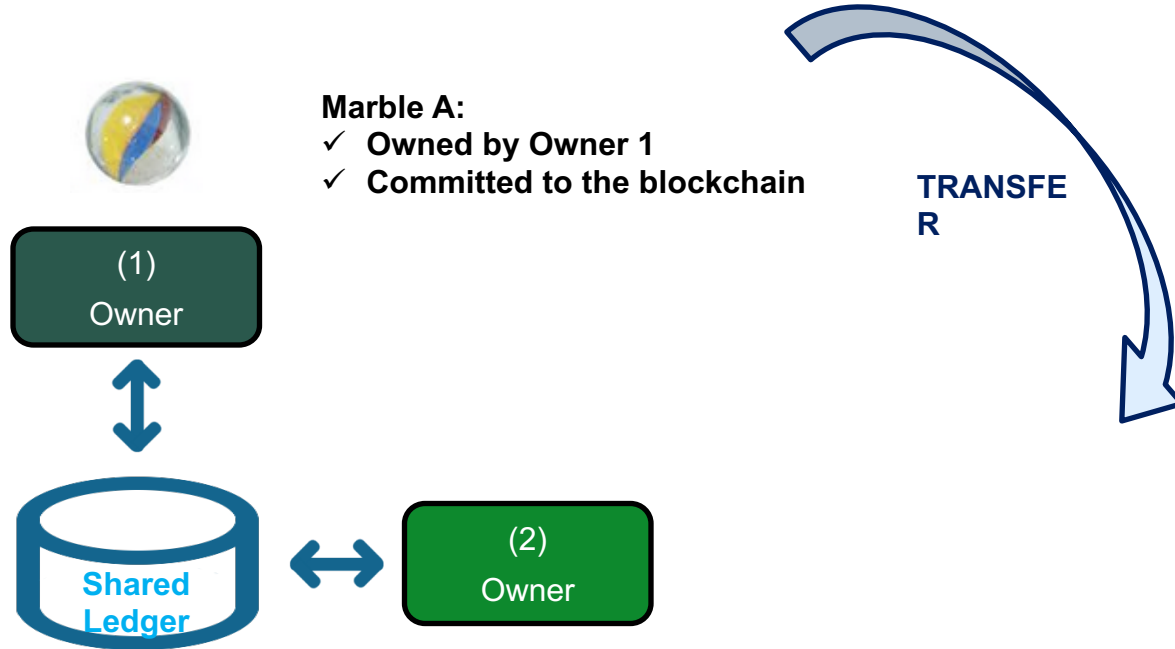
# How do participants typically work today?



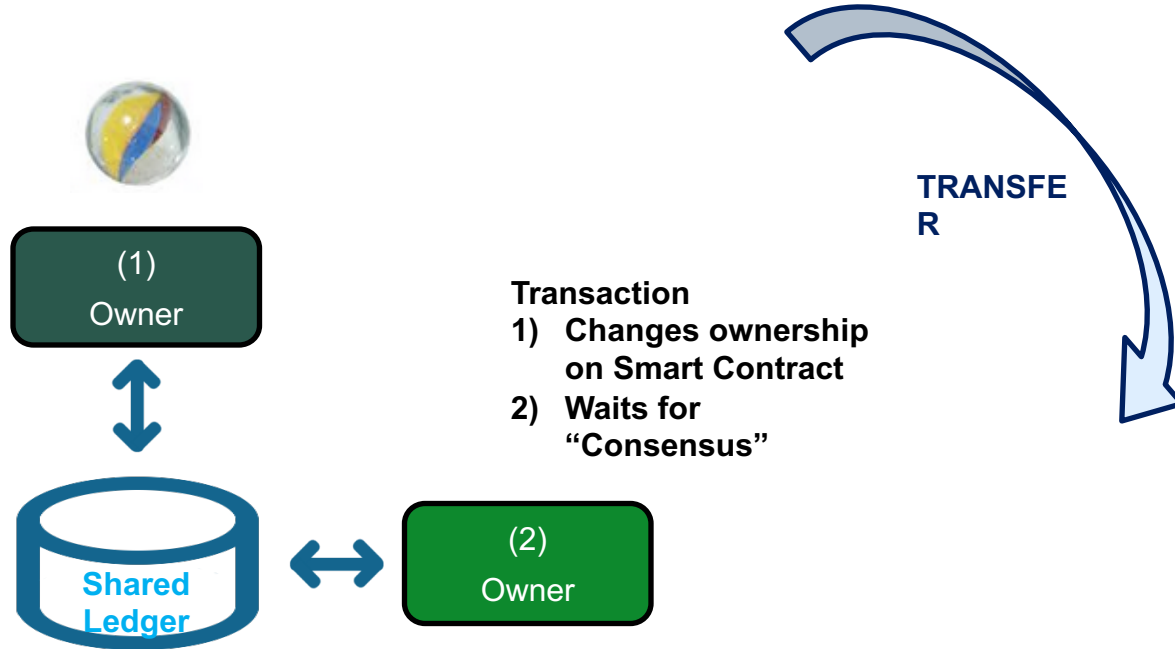
# How could participants work with blockchain?



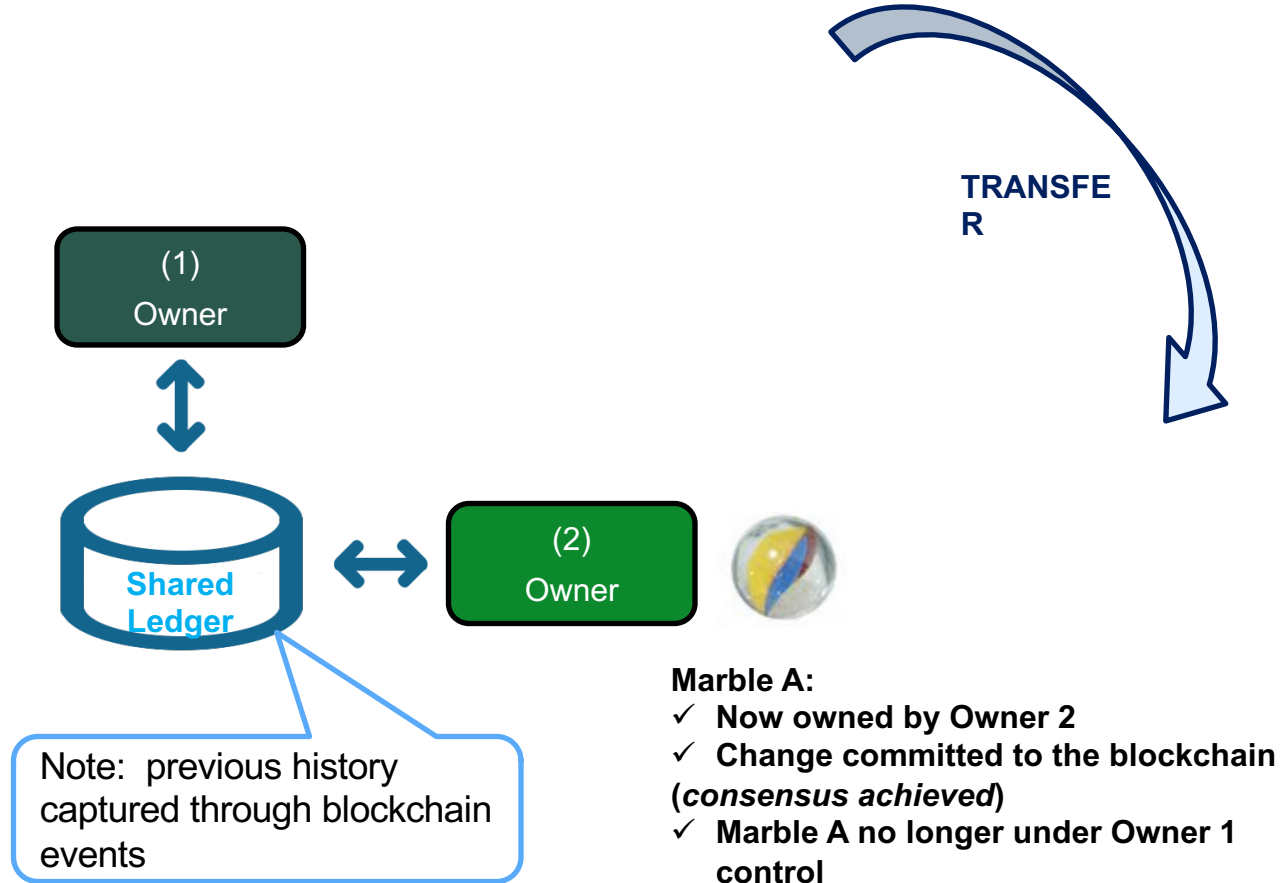
## Modelling a Transfer using blockchain technology (example: Owner 1 > Owner 2)



## Modelling a Transfer using blockchain technology (example: Owner 1 > Owner 2)



## Modelling a Transfer using blockchain technology (example: Owner 1 > Owner 2)



## Representing a marble using blockchain technology

**Blockchain “Smart Contract”** feature is used to define the **marble properties**

Attributes of a marble:

- 1.id (unique string, will be used as key)
- 2.color (string, css color names)
- 3.size (int, size in mm)
- 4.owner (string)





# Marbles Demo

