

# PRIVATE VS PUBLIC BLOCKCHAINS

## Permission?

**Permissioned:**  
Need permission to connect to this blockchain and participate in consensus



**Permissionless:**  
Don't need permission to join such a blockchain



## Features

Transactions are Private  
Need for Authentication Process  
Structure - "Governance" Models



Its Network is Transparent  
Fully Immutable  
100% Decentralized



## Pros

Energy Efficient  
Fast Transactions  
Scalability



Trusted across the network  
Highly Secure  
Open access to everyone



## Cons

Only participants can write on the blockchain  
Lack of immutability  
Controlled by consortium of participants



Difficult to scale  
Low level of Energy Efficiency  
Slow Transaction Speed



## Where its mostly used?

Supply Chain Management  
Food Tracking  
Financial, Banking & Payments



Remittances/Payments  
Digital Identity/Credentials/Public Notarization  
Voting



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