When to Use Blockchain vs Traditional Database

Aspect	Traditional DB	Blockchain
Control	Centralized	Distributed
Trust	Trust the admin	Trustless
Performance	1000s TPS	10-1000 TPS
Data modification	CRUD operations	Append-only
Transparency	Private by default	Public by default
Cost	Lower	Higher

Use Traditional Database when:

Single org, high performance, privacy needed

Use Blockchain when:

Multiple parties, trust issues, auditability