

Types of blockchain and supply chain

Supply chain and Privacy through Ethereum client

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Consensus algorithms and Block chains

- ▶ Issues with Proof of work (PoW), clique algorithms
- ▶ Ultimate advantages of IBTF 2.0
- ▶ Permissioned Blockchain
- ▶ Privacy
- ▶ Smart contracts for on-chain permissioning
- ▶ Ethereum client useful for combining privacy and permissioned network

The proposal for contract based consensus for a realistic solution using blockchain for high speed validation

- ▶ We set up a permissioned private block chain network with minimum five nodes(five companies) and seven contracts deployed
- ▶ Admin accounts contract : Election are held every six months or by other contract
- ▶ Admin nodes contract : Election are held every six months or by other contract
- ▶ Results of election contract : Post elections results are written in this contract
- ▶ Control nodes strength contract : Checks if a company exceeds 20% of no. of nodes
- ▶ Meta data contract : Can identify company links to nodes and accounts
- ▶ Protest contract : Any company can protest for new elections
- ▶ Request contract : All requests are submitted and triggers control contract to keep follow up.