

Ethereum Nodes (Clients)

- Ethereum is a peer-to-peer network of computers named “**Ethereum Nodes**”. Anyone can run an Ethereum Node on its laptop or desktop machine (it requires lots of resources).
- Every Ethereum Node runs an Ethereum Client such as **geth**.
- **Types of Node:**
 - a. Full Node
 - b. Light Node
 - c. Archive Node
- An Ethereum node runs a VM named **EVM** and runs applications (EVM bytecode) based on a global consensus mechanism. **This EVM has its microkernel, stack, memory and storage.**
- There are new clients for Ethereum 2.0 that run the **Beacon** and the **Shard Chains** and support the new proof-of-stake consensus mechanism.
- There are **many different Ethereum Networks**: Main Net, Test Nets (Rinkeby, Kovan), Private Ethereum Blockchains.