

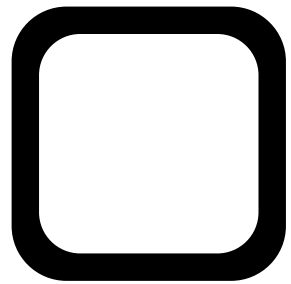


# Blockchain Bootstrapping

# Bootstrapping



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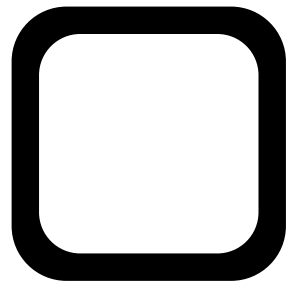


Genesis Block

# Bootstrapping



where is the chain?



Genesis Block

# Bootstrap Methods



where is the chain?

## DNS (Domain Name System) Bootstrap

- A few dedicated nodes that serve other IP addresses

## Hardcoded IP's

- These IP's need to be static

## Chat/Forums

- Ask around for IP's of participants

# Bitcoin Node



117 outgoing connections

8 incoming connections

## TCP based

- No authentication/encryption

## Incoming Packet Validation

- Signature validation
- Consistency, UTXO validation
- Denial of service protections