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Syncthing - Introduction, Technology and Use Cases

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The talk introduces Syncthing, describes the operation and underlying technology, and goes through a couple of common use cases. Emphasis is on how Syncthing works and what it can accomplish, how the user is in control of the flow of information (synced data), privacy, and ease of deployment. The described use cases show how Syncthing scales from a small office deployment to datacenter replication with terabytes of data. We round off by mentioning the availability of commercial support and turn-key deployment.

Operation
- Omni directional sync
- No central authority
- Peer to peer (non-cloud)
- Discovery and relays

Technology
- Encryption and security
- Restricted operation modes (read only, etc)
- Single binary deployment
- Cross platform (25 supported platforms)
- GUI or REST API

Use cases
- Multi site replication
- Office file sharing

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