



G-CLOUD SERVICE DESCRIPTION



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Volt4 Synapse (Lot 2a)

1.1 Description

Volt4 Synapse delivers decentralized infrastructure software for secure data storage and real-time synchronization. Built on Volt Core, it enables peer-to-peer file sharing and local syncing without intermediate servers. Features include true end-to-end encryption, fine-grained access policies, and host-agnostic deployment, ensuring data sovereignty and zero-trust security across cloud and edge environments

Features

- **Synchronization Agents:** Distributed agents ensure data consistency (using CRDTs*) across peers.
- **End-to-End Encryption:** True encryption between peers eliminates intermediate server risks,.
- **Offline Operation:** Supports full offline and online file syncing modes.
- **Fine-Grained Policy:** Granular controls determine exact access rates and permissions.
- **Host Agnostic:** Deploys on cloud, private, or edge infrastructure,.

Benefits

- **Data Sovereignty:** Clients retain complete custody and control of their data.
- **Zero-Trust Security:** Rigorously authenticates entities to prevent unauthorised data leakage.
- **Resilience:** Local syncing ensures availability during network outages or failure.
- **Cost Efficiency:** Low ownership costs via fixed-price licensing models,.
- **Interoperability:** Open APIs enable seamless integration with existing systems.

2. More Information

Up to date product information is always available on the nquiringminds public website: www.nquiringminds.com