



G-CLOUD SERVICE DESCRIPTION



Version 1.07

Date 26/01/26

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Volt4 Cortex (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

- **Distributed Orchestration:** Securely manages AI agents and messaging across environments,.
- **Security Provenance:** Preserves attribute provenance using TAIBOM and immutable logs.
- **Resilient Synchronization:** Enables offline operation via distributed synchronization agents,.
- **Zero-Trust Security:** Continuous assurance for all agent interactions and identities,.
- **Host Agnostic:** Deploys on cloud, edge, or private infrastructure seamlessly,.

Benefits

- **Operational Resilience:** Ensures continuity during network failures or offline periods.
- **Enhanced Trust:** Verifiable provenance builds confidence in AI decision-making,.
- **Infinite Scalability:** Peer-to-peer design supports unlimited agents and workloads,.
- **Data Sovereignty:** Clients retain absolute control over data and models.
- **Cost Efficiency:** Distributes processing to edge devices, reducing cloud costs,.

2. More Information

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