

Onehouse LakeView: Security & Deployment Overview

Overview

Onehouse LakeView is designed with a privacy-first approach, ensuring that **no data records are accessed—only metadata is used** to deliver insights on your data lake's health and performance. This metadata-only approach guarantees that sensitive data remains private and secure. LakeView's flexible deployment options let you choose between granting granular access to metadata files or pushing metadata yourself, giving you full control over data visibility and access.

Deployment Models

LakeView offers three flexible deployment models:

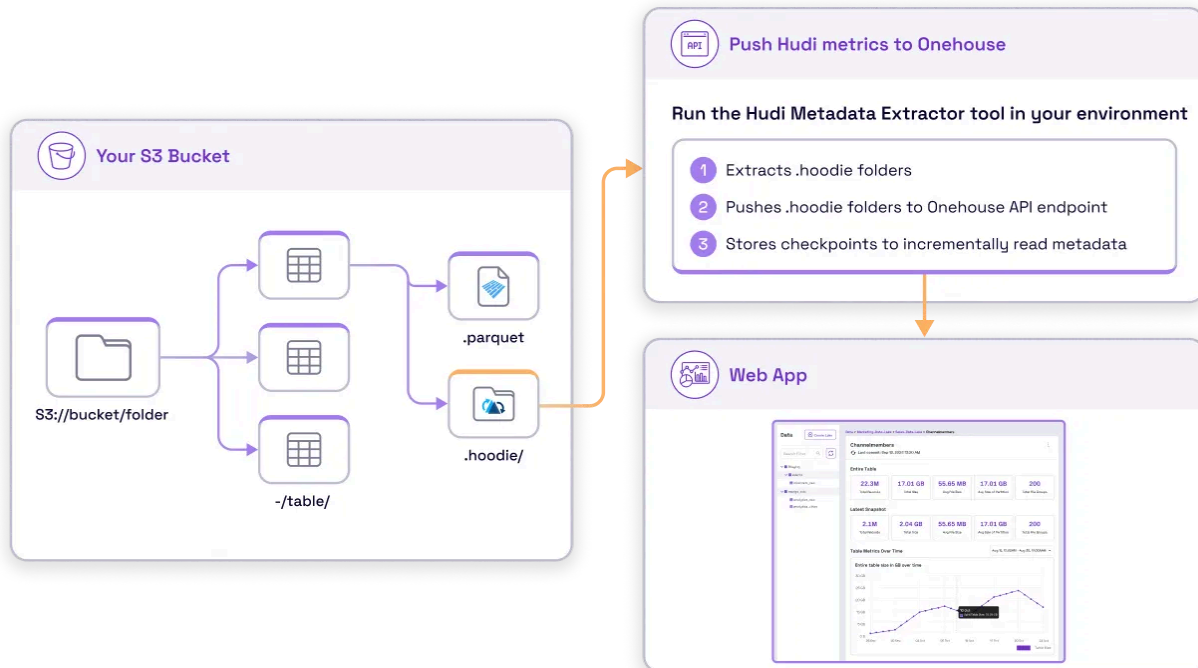
1. **Pull Model:** Securely grant LakeView granular access to Hudi metadata files with an IAM role, allowing LakeView to pull the latest metadata automatically.
2. **Push Model:** Run metadata extraction within your environment, pushing Hudi metadata to LakeView via secure API calls.
3. **LakeView SyncTool:** Add a JAR file in your existing Hudi jobs to push Hudi metadata to LakeView via secure API calls.

Data Access and Minimization

LakeView exclusively analyzes Hudi metadata files:

- **Accessed Data:** Only the metadata of Hudi tables, such as commit information and table schema, is read. **No base data files or record-level information** can be accessed by LakeView.
- **Data Not Accessed:** LakeView never accesses or ingests column statistics, actual record data, and other sensitive content.

Onehouse operates with a data-minimization principle, ensuring minimal data exposure. All table metadata resides securely in your cloud environment, with metadata extraction configured to touch only what is necessary for monitoring and insights.



Security Standards & Compliance

Onehouse complies with industry-standard security certifications:

- **SOC 2 Types 1 and 2:** Certified for secure management of data privacy and confidentiality.
- **PCI DSS:** Adheres to strict security controls in data handling and processing.

For more details, please refer to the [Onehouse LakeView documentation](#) or reach out to our support team.