AIDE Chain High Level Solution Architecture

Customer architecture overview | 23 November 2026

AIDE Chain brings project definition, architecture discovery and delivery oversight into one application. Customer project data stays within the relevant tenant and project access boundary. Where enabled, Observer brings approved evidence into a review workflow; AIDE Ops receives a separate, limited set of operational signals and reviewed measures.

Logical architecture

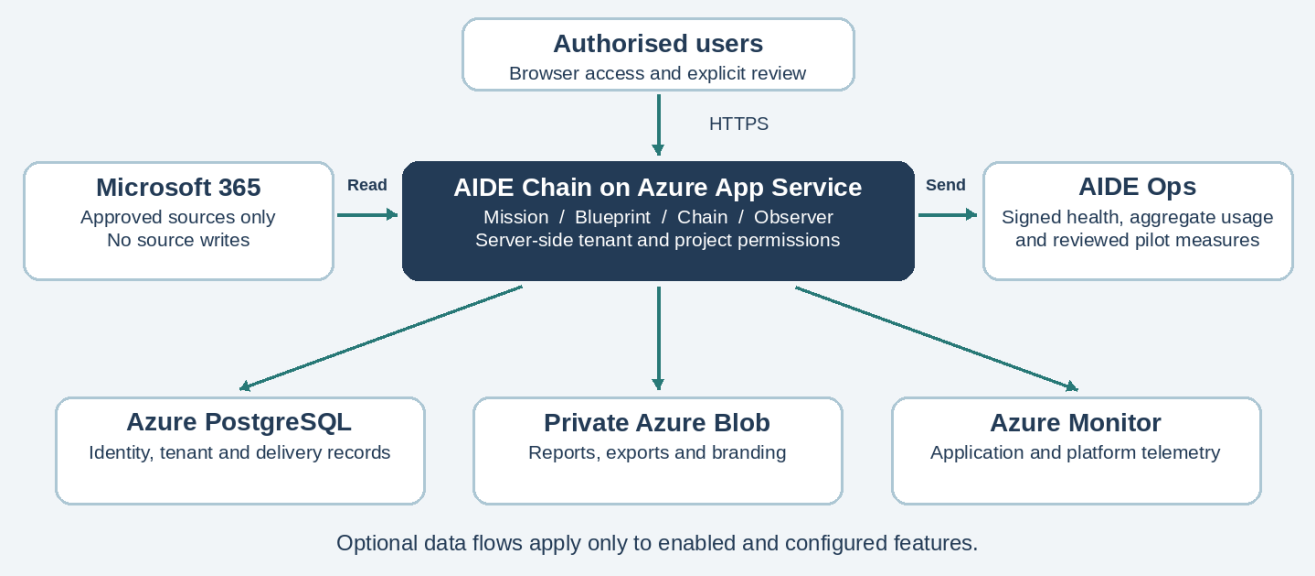

Figure 1. Logical components and permitted data paths.

Product capabilities

Mission Defines scope and requirements and maps delivery processes.

Blueprint Discovers approved inventory and maps architecture for review.

Chain Tracks delivery, explains portfolio impacts and models scenarios before teams act.

Observer Reads approved sources and prepares evidence-backed proposals and reporting for human review.

Application and Data Flows

Application and storage

The web application is built with Python and Flask, served with Waitress on Linux Azure App Service. Azure Database for PostgreSQL Flexible Server holds structured identity, tenant and delivery records. A private Azure Blob store holds generated files such as reports, exports and branding assets.

The browser uses the application for authentication and authorised access to records and artefacts. The application checks the tenant and project roles on the server rather than relying on which controls are visible in the browser. Native login and time-based one-time password MFA are subject to deployment configuration.

Observer evidence workflow

1 Scope sources An authorised customer configures approved sources and consent. Depending on the deployment, supported Microsoft 365 sources can include Outlook, OneDrive, SharePoint and selected Teams content.

2 Read and trace evidence Observer uses approved project-scoped delegated read access. Evidence retained for review records its provenance so a reviewer can trace the proposal to its source. Observer does not write back to Microsoft 365.

3 Review before changing records Optional, bounded AI can propose a change or summarise evidence. A user with the required role reviews the evidence and explicitly applies any permitted change in AIDE Chain. An audit record supports traceability.

4 Report on a defined schedule Scheduled reads can prepare draft updates for review. They do not publish a report, change source systems or apply project changes autonomously.

Customer configuration and approved consent define what Observer can read. No connector, scheduled workflow or AI capability should be assumed enabled in a given deployment.

Operations and Shared Responsibility

Two distinct monitoring paths

Azure Monitor Application and platform observability for service operations. This is distinct from the AIDE Ops customer and pilot measurement path.

AIDE Ops A separate receiver for signed health signals, opt-in aggregate product usage and governed, reviewed pilot measures within the configured scope. Source documents are not sent to AIDE Ops on these paths.

Pilot measures can support a comparison against an agreed baseline. The availability of a metric or evidence feed does not by itself establish time savings, financial return or other customer outcomes.

Responsibilities to confirm

AIDE Chain Operates the hosted application and its access controls, configures supported capabilities as agreed, and coordinates platform monitoring, release and recovery arrangements.

Customer Assigns authorised users and reviewers, determines which project sources and classifications are suitable, obtains applicable approvals and consents, and reviews evidence and proposed changes.

Joint Confirm connector and AI configuration, the boundary for operational signals and pilot measures, support and escalation routes, and the conditions for deployment and acceptance.

Deployment and assurance

Confirm hosting region and data handling, identity and integration configuration, retention and deletion, incident notification, backup and recovery objectives, and support commitments for the intended deployment. This overview does not certify any specific deployment or commit to a service level, residency arrangement or accreditation.