CloudWinks

CLOUDWINKS · FOUNDATION APPS

# Cloudify

## Technical brief

Cloudify examines the structure of an existing database and turns it into CloudWinks application definitions. It is the tool for bringing an existing system into the framework.

### 1. Architecture in brief

Cloudify is a Foundation app with platform tenancy. It holds registered source databases, discovered tables, columns and foreign keys, type-mapping rules, migration sessions and session history. CloudWinks supplies the application runtime and Crux the shared identity. The product model produces definitions for the framework; it does not itself complete a live data cutover.

### 2. Service boundary and intake

A source database is registered, then a session discovers tables, columns and relationships and records type mappings. Each session and step has a status and a history entry. Definitions for a target application and schema can be produced from that analysis. Credentials used to reach a source are resolved through KeyKook rather than treated as ordinary session fields.

### 3. Data handled

The model stores registered databases, source tables, columns and keys, type mappings, sessions and step history. Cloudify owns the analysis and the session record. It does not own the source database, the KeyKook secret, or the CloudWinks application that is later built from the definitions.

## 4. Integrations and ownership

CloudWinks receives the definitions. KeyKook holds source credentials. Crux supplies identity. Murphy can receive analysis or session problems. CoderCody may hold related documents. Cloudify owns the mapping work, not those other services.

## 5. Security and access

Access follows platform grants. A registered source is not a grant to every database or to change every mapping. Credentials are resolved through KeyKook. Session history stays inside the platform boundary. A completed analysis does not by itself move live business data.

## Competitive context

| ALTERNATIVE | ITS FOCUS | CLOUDWINKS PRODUCT FOCUS |
|---|---|---|
| AWS Schema Conversion Tool | Converts a source database schema to a target engine and mapping rules. | Analysis that produces CloudWinks application definitions, not only a target SQL schema. |
| AWS DMS Schema Conversion | Converts source schemas as part of a database migration project. | A session history and type map aimed at the CloudWinks definition model. |

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