Kinect Theia
The Accelerator for Building Data Platforms on AWS

What is Kinect Theia?
An end-to-end AaC (Architecture-as-Code) and IaC (Infrastructure-as-Code) framework that enables implementation of reliable, secure, cost effective and performant AWS data platforms at a fraction of the time and cost it takes to build solutions from scratch.

Who Needs It?
Organizations looking to modernize how they process and analyze data, but that lack experience with these complex, time consuming initiatives.

Kinect Theia vs. Traditional Process

The Value of Kinect Theia

Save Time
Automation shortens some steps in the process and outright eliminates others to decrease project time by up to 50%.

Reduce Cost
On a 6 month project with a team of 4, reducing effort by 8 weeks saves 1280 human hours of cost.

Expedite R.O.I.
Realize stronger business value faster by using proven architecture developed for specific use cases.

Metadata Collection & Refactoring / in Theia, Metadata Setup (CLI)
Architecture
Manual Infrastructure Setup
Develop Templates: Orchestration
Solution Development / Testing
Infrastructure Automation / Testing

Kinect Theia vs. Traditional Process

TIME
Kinect Theia Common Use Cases

1. Organize Disparate CSV, XML, JSON Files into a Data Lake or Data Warehouse on AWS
   - Organization has data from disparate sources in CSV, XML, or JSON format.
   - It may contain PII, HIPAA or other sensitive data.
   - Desire to aggregate the data in a data warehouse on AWS to run queries and build reporting dashboards.
   - Require the ability to automatically link data across sources base on PII or other criteria.
   - Accomplish all of this in a secure and compliant manner.

2. Migrate an existing database to AWS with ongoing replication
   - Organization has data in a database (ex. SQL Server, Oracle) and their current business intelligence solution is not meeting their needs.
   - Desire to move the data to a new data platform on AWS to make it more flexible and scalable, easier to use, and faster to develop.
   - The end objective is improved BI, dashboard, reporting and analytics on AWS.

3. Ingest Data into Existing Redshift/Snowflake Data Warehouse on AWS
   - Organization has an existing Redshift or Snowflake data warehouse on AWS.
   - Desire to ingest new data in the form of databases, streams, files or events, and transform the ingested data to the appropriate format and structure for their existing data warehouse.

4. Stream Data into an Existing Data Platform on AWS
   - Organization has an existing data platform on AWS and is doing anything data related.
   - Desire to get streaming data into that platform.
   - Require it to be always on, ingesting streaming data in real time.
   - Examples include things like financial market data or Twitter content for analysis.
A More Technical View of the Kinect Theia AaC and IaC Framework

About Kinect Consulting

- A team of cross-functional experts in all things (people, process and technology) for the cloud
- Agility and pricing of a small firm, backed by the resources of a Fortune 100 parent company
- Deep experience delivering cloud solutions for complex, global enterprises
- Guidance that is concise, actionable, and outcome driven
- A proven Cloud Execution Framework that drives success in the cloud