

CASE STUDY

# Access & Activity Management Platform

for Resources on Cloud & On-Premise Infrastructure



## Executive Summary

The client is a leading cloud-native security solution provider for the most demanding cloud-forward enterprises and needed a real-time analytics platform and data storage capabilities to monitor and manage resources, permissions, and activities across dynamic cloud environments.



## Client Profile

The client is a leading provider of cloud-native, multi-cloud privileged visibility, policy enforcement, and threat monitoring solutions in the areas of cloud infrastructure, DevOps, and security functions with dynamic and intelligent privileged access administration solutions for multi-cloud environments.



## Business Challenge

The client needed an analytics platform to gain insights into resources, permissions, and activities across the multi-cloud and on-premise infrastructure.



## Solution

Innominds built a near-real-time analytics platform by ingesting event and activity stream data from cloud providers by leveraging the processing and storage capabilities of the Snowflake data warehouse to build a scalable and robust analytics platform

- Event and activity streams semi-structured data is stored in a centralized staging repository (AWS S3)
- Snowpipe is provisioned to load the data from staging to the source layer in Snowflake warehouse
- Scheduled tasks are triggered in Snowflake to transform the source layer into a dimensional layer
- A serverless program to extract the data from the dimensional layer and load it into GraphDB for pattern matching and path analytics
- The application interface is connected to the data repository via the federation engine to integrate and access data from Snowflake and GraphDB

## Benefits

A scalable, cost-efficient, and robust architecture to provide aggregated insights across the entire client infrastructure stack

## Key Services



Product Design



Product Development



Product Enhancement



Product Maintenance

## Tools and Technologies

- Cloud Activity Event Streams
- Cloud Storage Repository
- Snowflake Data Warehouse
- Snowpipe Data Ingestion
- Neo4J GraphDB
- ReactJS
- Java

## About Innominds

Innominds is a Silicon Valley-based Product Engineering Services and Solutions company headquartered in San Jose, CA. Innominds offers co-creation services to enterprises for building solutions utilizing digital technologies focused on Devices, Apps, and Analytics. It provides expertise in the field of Cognitive Analytics, Connected Devices & Cloud Apps and assists enterprises in their digital transformation initiatives.

Looking for a comprehensive snowflake data cloud solutions?  
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