Commercial to non-commercial DB Migration

SopraSteria

The world is how we shape it

sopra steria

DB Migration Offer (Aided by GenAI)

✓ **Faster Migration**   ✓ **Reusable repository**   ✓ **Targeted and Efficient**   ✓ **Flexible**   ✓ **Application Code**

Highlights

Automated Schema Conversion aided by mature and efficient migration process along with SopraSteria reusable scripts

Assessment and execution of data and schema migration

Application code assessment and modification using Generative AI model

Simple report to monitor the migration status

Technology

Fully automated using Azure VM , configured as desired in customer environment.

Use of open-source application in combination with Sopra Steria Assets to convert most of the database objects.

Use Generative AI through Azure OpenAI studio to overcome failures.

Secure and Audited

Data Migration

Staged Approach

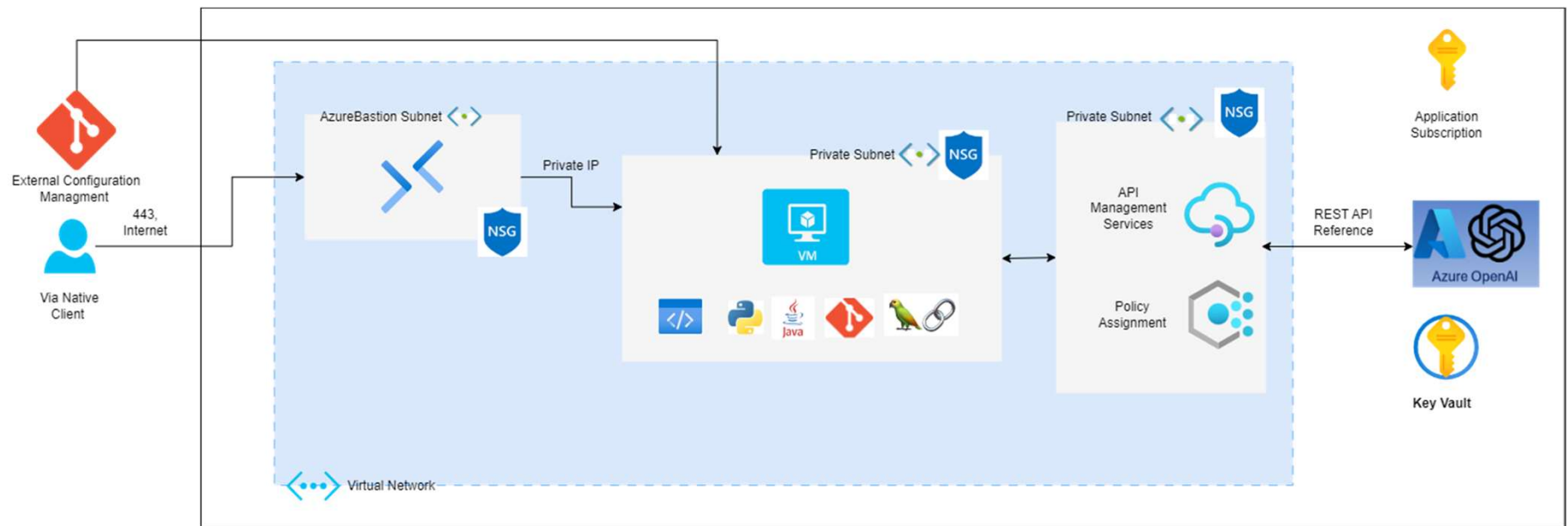Custom Data transformation for complex data types

Change data capture

Confidence on data (Data Integrity and Quality)

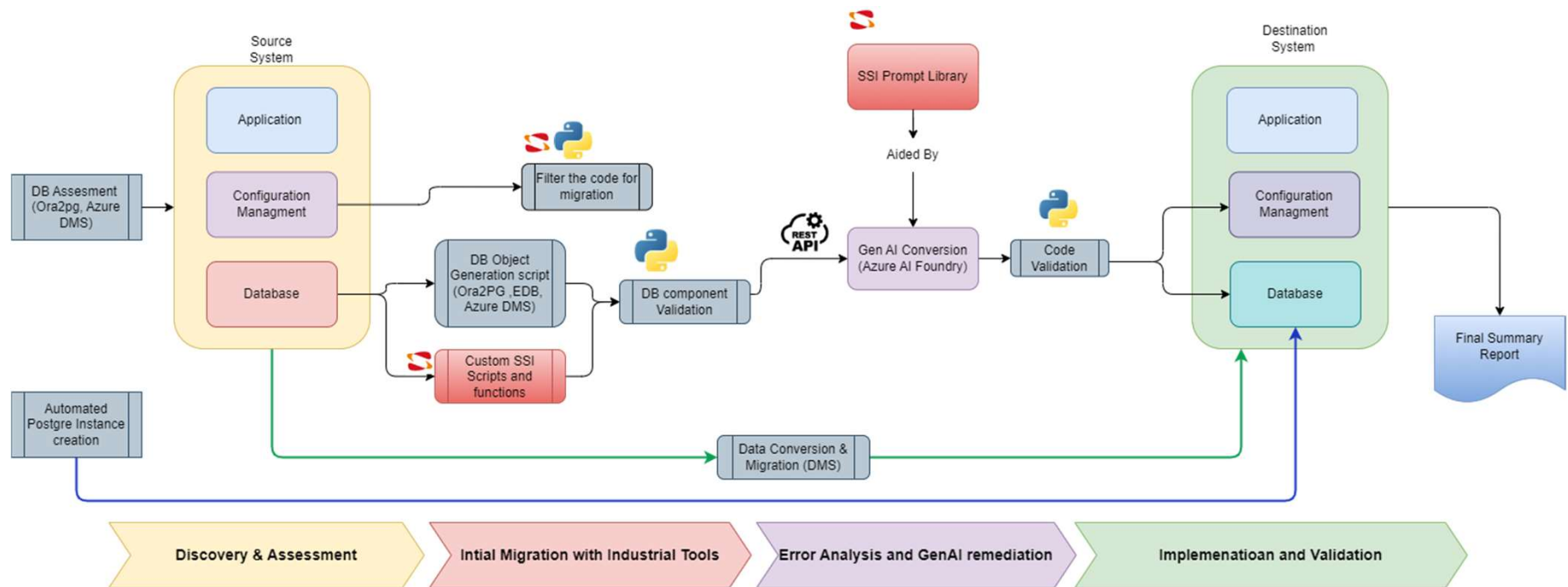Security and Compliance

Cost Effective (Balancing resources)

Scalability

Integration on multi platforms

Considerations

Integration using Azure AI Foundry

DB Migration Oracle to PostgreSQL

Oracle to PostgreSQL Migration Success Story

International Telecom Customer

Specification	Actions and Approach	Outcome & Benefits
• Database Size: ~500 GB • Total Schemas: 7 • Complexity: High • Cutover Time: 24 Hours	• Best-Fit Strategy tailored to customer needs • No Lift & Shift — full transformation approach • Purged 20% unused DB objects • Decoupled Frontend and Backend • DB Sync via Event-Driven Architecture • **Application Code Rectification** • Monolithic Oracle replaced by decoupled PostgreSQL • Event-driven sync added • Microservices alignment	• **Faster:** Migration duration reduced by 50% • **Reusable:** Home grown scripts reduced total efforts 30% • **Efficient:** Seamless Cutover with Zero Bugs • Improved performance & maintainability • **Cost Optimization:** ROI Payback in 36 Months