Platinum

DMAP has automated discovery & assessment of Oracle database schema in concurrent configuration.

DMAP Analytics creates consolidated view with objects insights, conversion complexity and effort.

In depth analysis of the App, DB, DB interfaces & reports to recommend the migration blueprint with LOE for App & DB migration, Interface and report remediation

Recommendation for PostgreSQL DB Services on Azure or alternate Azure services with Target architecture and Size recommendation

DMAP analyses data gathered on App, DB, existing Infra & Datacenter and autogenerates a Business case for Oracle takout with TCO comparison and one time migration cost

Customer Objective

Migration BluePrint

Customer Inputs

Oracle database schema list with database and application mappings and connection strings

Schema access permissions and associated details

Database details such as DB size, RAM, CPU cores etc.

Application intake form to be filled for each application

Execute SQL scripts provided by Newt Global to gather additional information
- o Size of production database
- o Max size of CLOB/BLOB
- o % of CLOB/BLOB/Text as total % of database size
- o Encryption Details (Database, Table, Column, Storage level)
- o Active & inactive data analysis
- o Performance Metrics
- o Oracle features used

AWR report for peak performance to determine
- o CPU, IOPS, R/W Block, Top 10 queries, Read/Write Transactions %

Database questionnaire for each database

Application questionnaire for each application

TCO questionnaire filled at enterprise level for Oracle licensing and features used

Interviews with database administrators to understand database design, data encryption, data retention requirements, Oracle features used, RTO, RPO, DR strategy etc.

Interviews with Application teams to understand current architecture, application interfaces, reports, future growth, compliance requirements etc.

Tools & Methodology

DMAP

Web Application Migration Services

Stakeholder discussion & Questionnaire

Deliverables

DMAP Discovery & Assessment report for each Oracle schema

Consolidated DB schema analysis, insights & schema conversion effort

App & DB details with DB Performance & Usage matrix

PostgreSQL DB & Azure Services with target architecture and size recommendation

Data Migration & production cutover approach.

Target Azure architecture for applications as Azure IaaS or PaaS & migration approach

Oracle on-premises cost, one-time migration cost

Estimated investment: Migration effort for application migration, embedded SQL, I/F & Reports remediation, schema conversion, data migration & migration certification (LOE)

Savings: Comparison of on-premises cost with Oracle vs Azure cost with PostgreSQL Database solution

Business Case for Oracle takeout with ROI

Assessment report & Migration Blue Print