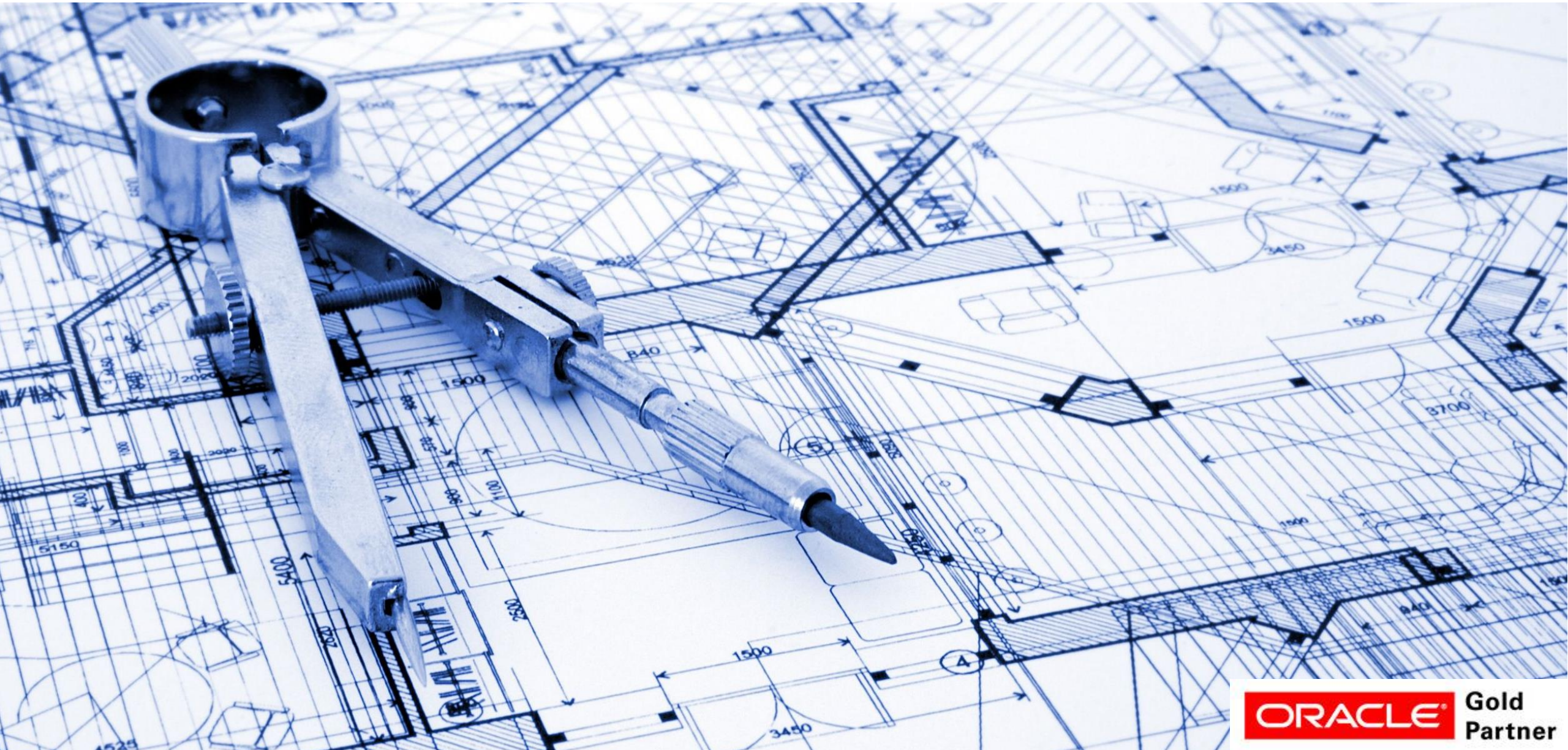# Oracle Cloud Readiness for Data Warehousing

Usage Profiling and Analysis Ensures Successful, Timely Cloud Migrations

Oracle Cloud Data Warehouse Readiness Solution

Readiness Lowers Cost, Risks and Time to Migrate

Ensures Onoing Cost Efficiency and ROI in Oracle Cloud

- Software automatically captures and analyzes legacy DW/Analytics workload usage characteristics

- Fact-based process identifies "must address" issues to deliver fast, accurate, low risk migrations

- Defines discrete workload "packages" that enable prioritized and phased migrations

- Builds roadmap to ensure client DWs performance, cost efficiency, business value in Oracle Cloud

- Provides ongoing DW optimization, resource efficiency, and business value in Oracle Cloud

Based on Teleran's iSight software – proven in 1000s of Oracle sites over the last 15 years

ORACLE®
DATABASE
READY

ORACLE®
EXASTACK
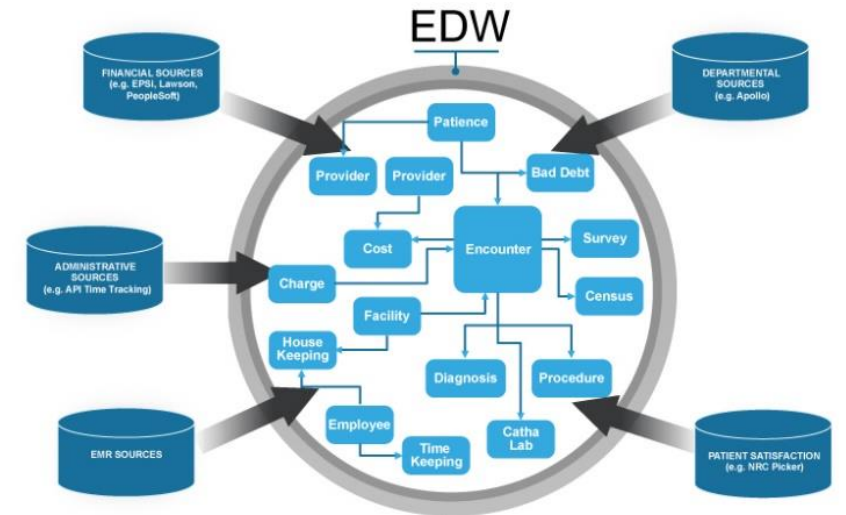READY

ORACLE®
CLOUD PLATFORM
READY

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Why Important?

- Data warehouses are complex, large and dynamic
- Companies are challenged to establish comprehensive visibility of DW usage and legacy inhibitors
- These unanticipated legacy issues, if not identified and and addressed, introduce significant risks

Risks

- ➤ Migration time delays
- ➤ Increased migration costs
- ➤ Performance problems
- ➤ Dissatisfied business users
- ➤ Higher Cloud consumption costs

Cloud Migration Analytics & Optimization Software Solution

A Critical 1st Step to Ensure:

- Cost effective, low risk, and on-time migrations

- Ongoing cost efficient/productive Oracle Cloud data warehouse use and business value

Teleran Solution Benefits

- Establishes transparent, accurate migration planning data

- Identifies, quantifies, prioritizes remediations and optimal migration phases

- Minimizes time, cost and risk to migrate

- Ensures post-migration Cloud cost efficiency, user productivity, performance

- Ensures business objectives are met on the Cloud

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Teleran Migration Case Study

"Teleran's Migration Analytics and Optimization enabled the bank to deliver a cost-effective, low risk migration that met business expectations. Teleran's user and query management ensured that our business users were cost-efficient and productive in their ongoing use of the data warehouse." -- **Director Data Warehousing, Money Center Bank**

Client Results

- Reduced migration time by 2 months vs. initial plan
- Decreased budgeted expense by 4 FTE months
- Lowered ongoing cloud consumption costs by 15% versus initial projections
- Optimizations ensured performance and business user productivity and satisfaction

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Oracle Cloud Migration Analytics & Optimization Program

Teleran Migration Analytics and Optimization

- Identifies and quantifies those issues that have material risk/impact that require remediation
- Directs remediation priority based on business service impact and effort
- Addresses issues that reduce business user productivity and that impede meeting business objectives
- Targeting Oracle, Exadata, DB2 (distributed / mainframe), SQL Server Data Warehouses

Data Warehouse Profiling and Resource Requirements

- Transaction counts
- User counts
- Applications in use
- Result set metrics
- Performance & resource metrics
- Peak usage across day/week

- Error counts
- Data volumes
- Data usage patterns
- ETL/maintenance processes
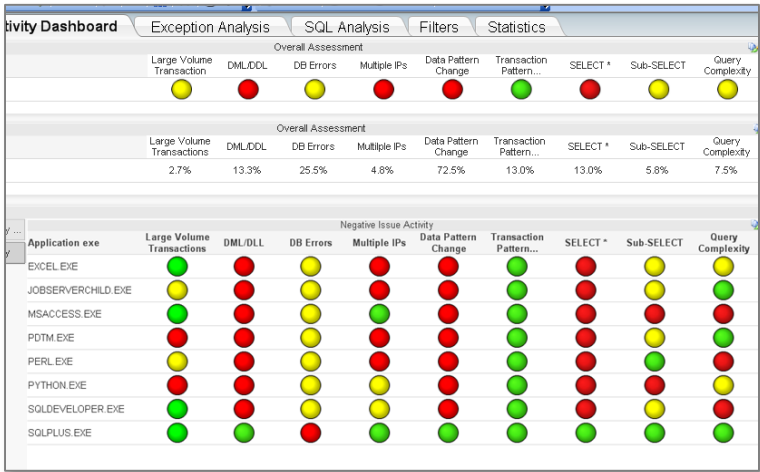- Database objects: schemas, tables, columns, views, stored procedures, packages

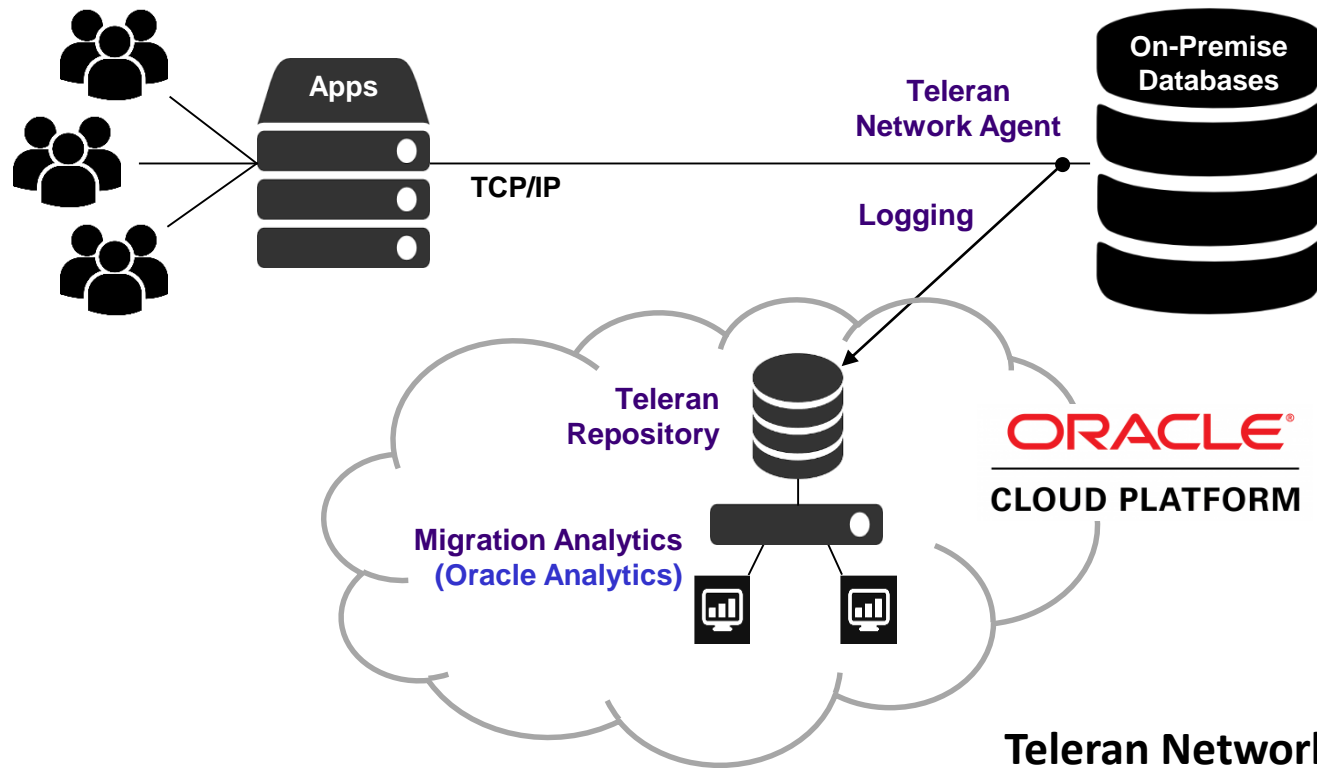# Identify, Quantify, and Prioritize Migration Remediations

Issues Impacting DW Migration, Performance and Business Objectives
Long-running queries/reports
Poorly formed, resource wasting queries (many joins, select*/wild card)
Wasteful user behaviors (duplicate queries, no data returned queries)
Application errors, database errors
Unused applications/reports
Unused or infrequently used data
Duplicate data
Inefficient or obsolete ETL or other maintenance processes
Concurrency issues/peak period resource consumption

Issues Identified, Quantified, Prioritized

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SaaS Offering – *Unobtrusive, Efficient, Scalable*

On-Premise Database Support

- Oracle/Exadata
- DB2 LUW & Mainframe
- SQL Server

Teleran Network Agent

- Unobtrusive – No database agents to slow performance
- Flexible Deployment – Resides on physical DB server or mid-tier
- Fast – Rapid, automated implementation

Migration Analytics & Optimization Offer

Program Offer

- Standard Package time period: 2 Weeks (additional time if required)

- Teleran staff supports on-premise agent installation/de-installation

- Teleran or certified service partner analyze findings and integrate with migration plan
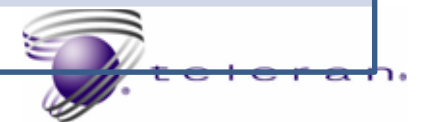
Pre-Workshop Planning
Planning Workshop with Client
Software Agent Install
Analyze Findings
Present Findings and Migration Plan

Teleran Advantages

Teleran Capability	Teleran Advantage
Fast, Scalable SaaS Solution For On-Prem and Oracle Cloud	SaaS migration solution minimizes installation and setup, client staff time
Unobtrusive	Network-based agent does not require in-database agents that impede database performance or throughput
Integrates DB System Metrics	Integrates system-level metrics if required
Purpose-Built Migration and DW Management Analytics Using Power BI	Usage metrics and analyses designed specifically for to assess and address migration issues and ongoing cloud DWs
Oracle Partner	Long term Oracle ISV Partner
Solution Showcase	SaaS offering showcases and exemplifies best practice Oracle Cloud deployments
Ongoing Oracle Cloud DW/Analytics Optimization and Resource Control	DW user management/cost controls and data protection solutions offers ongoing DW optimization, resource efficiency and greater business productivity and value

Teleran

- 10+ years in business

- HQ - Fairfield, New Jersey USA

- Software patents in AI/Expert Systems, Usage Analytics
  Data Security, Machine Learning, Real-Time Controls

- Partners - Resellers, System Integrators, Consulting, and Technology Firms
  Oracle / Microsoft / DXC / IBM / Teradata / SAP / Deloitte / Cloudera / VMWare

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