Oracle Estate Explorer Overview
Database estate discovery and analysis

Estate Explorer 2.2
Database estate migration to Autonomous Database

Autonomous Database offers a game-changing database experience

Security  Performance  Resilience  Costs

Higher security, better performance, and improved resilience while reducing operational costs

But where do you start if you have hundreds or thousands of databases in your estate …
To move to Autonomous Database

42% of databases require just 1 or 2 changes

Estate Explorer will help you prioritize your migration strategy

Based on a sample of 602 customer databases
Five steps to Oracle Cloud
Accelerate your migration to Autonomous Database

1. Identify candidates
2. Select targets
3. Prepare business case
4. Plan migrations
5. Perform migrations

A deep technical understanding of your estate justifies your migration strategy
Catalog, analyze and select databases for migration

Prioritize the databases with the greatest ROI

1. Identify candidates
   1. Catalog your databases
   2. Visualize your database estate
   3. Select candidates

2. Select targets
   1. Score candidates
   2. Calculate migration effort
   3. Select targets

With minimal effort, analyze your entire database estate – saving months and hundreds of person-days
Choose the best migration methods
Consider business and technical planning factors

4
Plan migrations

Business Considerations
- Acceptable downtime
- Application performance
- Portfolio disruption
- Simplicity

Technical Considerations
- Versions and platform
- Advanced features
- Database size
- DBA skills

Best practice planning tools allow you make strategic and tactical decisions
Simplify and streamline migration workflows

Oracle offers automated solutions, services, and tools for online and offline migrations

Perform migrations

Automated Solutions
- OCI Database Migration Service
- Zero Downtime Migration
- Enterprise Manager: Migration Workbench

Do it Yourself
- Database utilities
- Database options
- Replication and validation software
- SQL performance and regression testing

DBAs can also custom engineer their own migration workflows – or let Oracle or their partners do it for you
Oracle Estate Explorer

Explore an entire Oracle Database Estate quickly and identify the best ADB candidates

- Analyze 1000’s of databases in just a few hours
- View innovative visualizations of your database estate
- List preparation actions for every database
- Share summary and detailed reports with colleagues
Oracle Estate Explorer
Simple, open and flexible

Complete data privacy
• no requirement to share data with Oracle

Deploy anywhere
• in public cloud, on-premises, or even on a laptop

Ultra-light footprint
• minimal install requirements and a light touch on databases

Full code transparency
• for customers and partners

Customizable
• build a custom estimation model for your organization

Requirements
• Oracle Database with APEX (Autonomous DB or any 19c database)
• Oracle Enterprise Manager and EM-CLI or SQL*Plus
Oracle Estate Explorer Details

Flexible architecture enabling detailed exploration and analysis

**Database Estate**
- On-premises or any 3rd party cloud
- Focus on entire estate or targeted groups
- No installation or footprint on any database
- Data is only collected once
- Extraction via human-readable PL/SQL
- Extract takes 20 seconds per database
- Covers every version and architecture since v11.2

**Data Collection**
- Simple deployment (2 scripts)
- Use Enterprise Manager or TNS
- Connect to all databases centrally
- Creates one output file per group
- Human-readable CSV format
- Typically 2MB output per database
- Deployed on-premises

**OEE Application**
- Flexible grouping and regrouping
- Customizable test scenarios
- Drill down from Estate to Database
- Real-time analysis
- Automated reports
- Oracle APEX
- Deployed on-premises or on OCI
Example: Small Database Estate
APAC – Telecommunications Industry

33
on-premises databases (11g, 12c, 18c)

33%
of databases in Lower Effort category

2
hours to complete evaluation. Reduced from 3 weeks

Customer saved significant analytical effort and justified a faster decision
Example: Medium Database Estate

North America – Hospitality

130 on-premises databases (11g, 12c, 19c)

61% of databases in Lower Effort category

35% of databases required zero or just 1 change

Customer used output and guidance to decide on their future state OCI strategy
Example: Multi-Cloud Database Estate

EMEA – Oil & Gas Industry

766
databases deployed on-premises and on Microsoft Azure

88% of databases in Lower Effort category

30% of databases required zero or just 1 change

Customer used fast scenario analysis to minimize migration effort and maximize inclusion
Example: Large Database Estate

EMEA – Chemical Industry

- 951 databases deployed on-premises
- 85% of databases in Lower Effort category
- 47% of databases required no changes at all

Customer deployed Estate Explorer on premises to comply with data security policies
Oracle Estate Explorer Process

1. Build an Estate Catalog
   - Use Enterprise Manager or create a custom list

2. Select Databases for Analysis
   - Select ALL or some of your databases

3. Retrieve Database Details
   - Automatically gather database details

4. Analyze Databases
   - Perform estate-wide readiness analysis

5. Evaluate Results
   - Extensive reporting of recommendations

Visualize your database estate in a day
Auto-generated Reporting

Templed report production

- Delivers a clear strategic understanding of database estate
- Provides a league table with ranking of every database
- Makes recommendations on categorization & prioritization
- Identifies key estate facts and findings
- Gives full details of what was found and what to do next
- Reports can be segmented across any subset of databases
- Reports generated in seconds without human intervention
Report – Detailed analysis for every database

Host details
- Name
- Size
- OS

ADB Summary
- Action items
- Relative effort
- Item count
- Advisory breakdown

Database links
- Connections to other databases across the estate

Database details
- Name
- Size
- Version
- Type
- Database Options

Summary
- Rating with database group
- Narrative description
Estate Explorer: Engagement Pathways

1. **Independent**
   Deploy Oracle Estate Explorer within your own on-premises, OCI, or 3rd party cloud environment. Perform all aspects of data gathering and analysis independently of Oracle.

2. **Collaborative**
   With Oracle guidance, deploy Oracle Estate Explorer within your own on-premises, OCI, or 3rd party cloud environment. Work with Oracle to perform data extracts, analysis and reporting.

3. **Service**
   Oracle hosts the Oracle Estate Explorer instance. Using provided scripts, the customer provides the data extracts when requested. Oracle delivers back a full report and guidance service.
Estate Explorer: An essential step in your migration planning

Reduce Costs
• Provide a unique estate visualization at near zero cost
• Identify best ROI with a view across technical and business context
• Provide estate-wide estimates to focus on low-cost, high-value migrations

Reduce Risks
• Identify issues and their cost early in the process that justify your migration strategy
• Understand migration complexity to avoid surprises, and wasted time and resources
• Share database analysis across the organization for greater transparency

Accelerate Migrations
• Assess an entire estate in days, saving weeks or months of elapsed time
• Provides detailed advice to prepare each database
• Quickly evaluate databases based on effort, size and connection complexity

Contact your Oracle team today ....