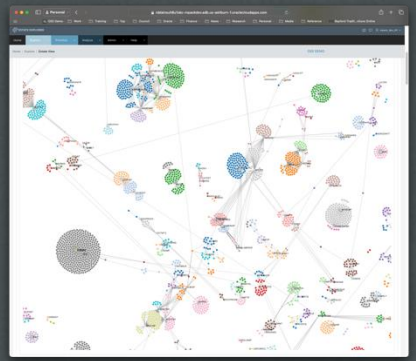
Oracle Estate Explorer

How to discover your database estate and plan for the cloud

November 2024

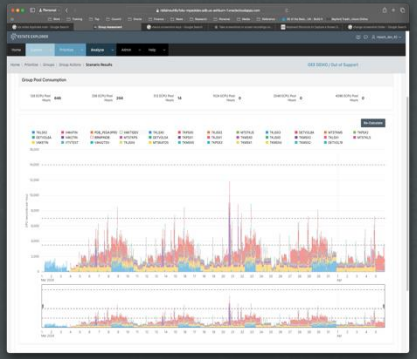
Oracle Estate Explorer enables you to …

Understand a Database Estate



- Build a complete database inventory
- Visualize any size database estate
- Analyze in technical & business context

Plan a hybrid, multi-cloud migration strategy



- Prioritize database migrations to Oracle cloud database
- Build a Business Case from on-prem to cloud TCO
- Optimize the migration deployment

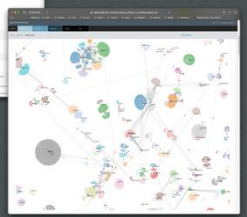
A unique insight into a database estate

Oracle Estate Explorer – Key Steps

Explore an Estate Catalog

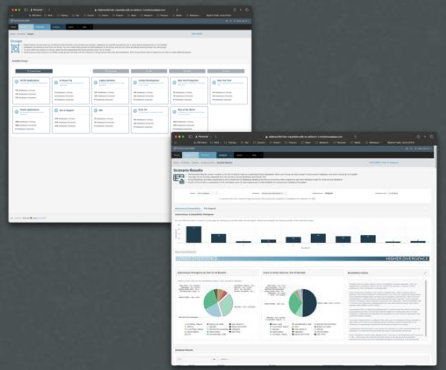
Database Details

Database Links



Plan Database Migrations

Build Groups



Assess DBs

Build Technical Business Case

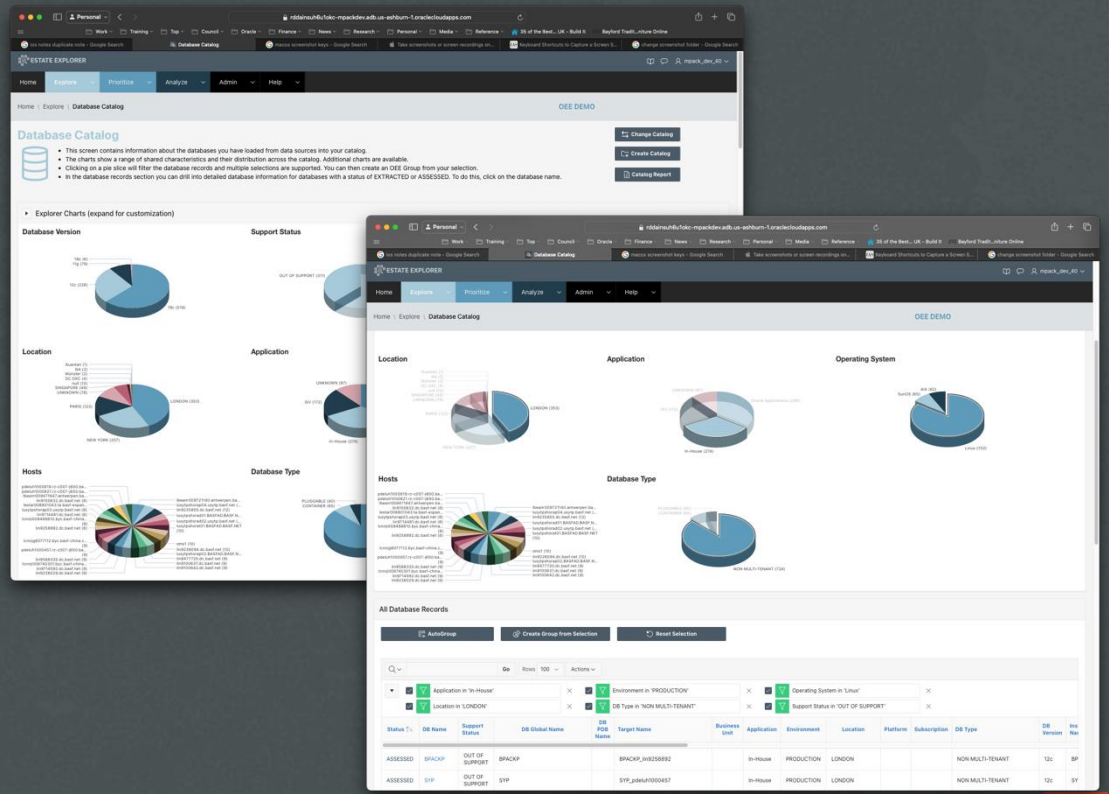
Build Elastic Pools

Build TCO

Estate Summary View

View your databases by your technical and business criteria

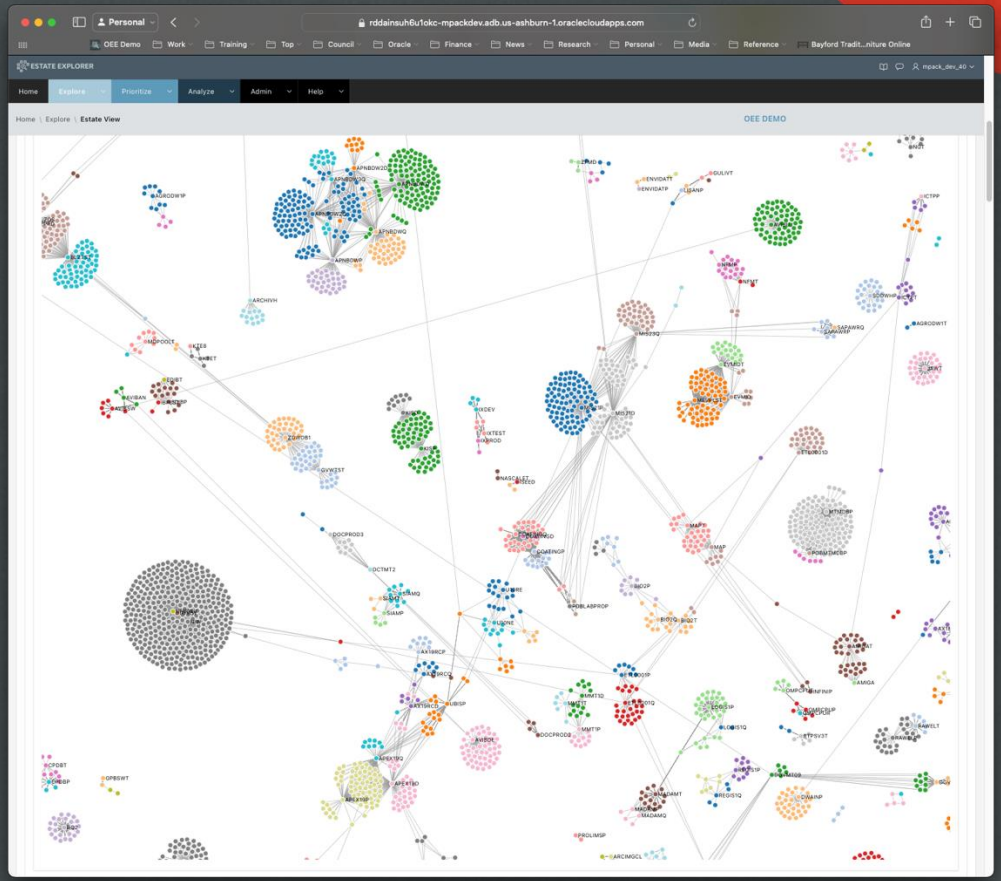
- Define criteria based on your naming standards
- By geography, business unit, platform, etc
- By database version, host OS, #cores etc
- Define new subsets of databases for analysis



Estate Cluster View

View a group of databases by their connections

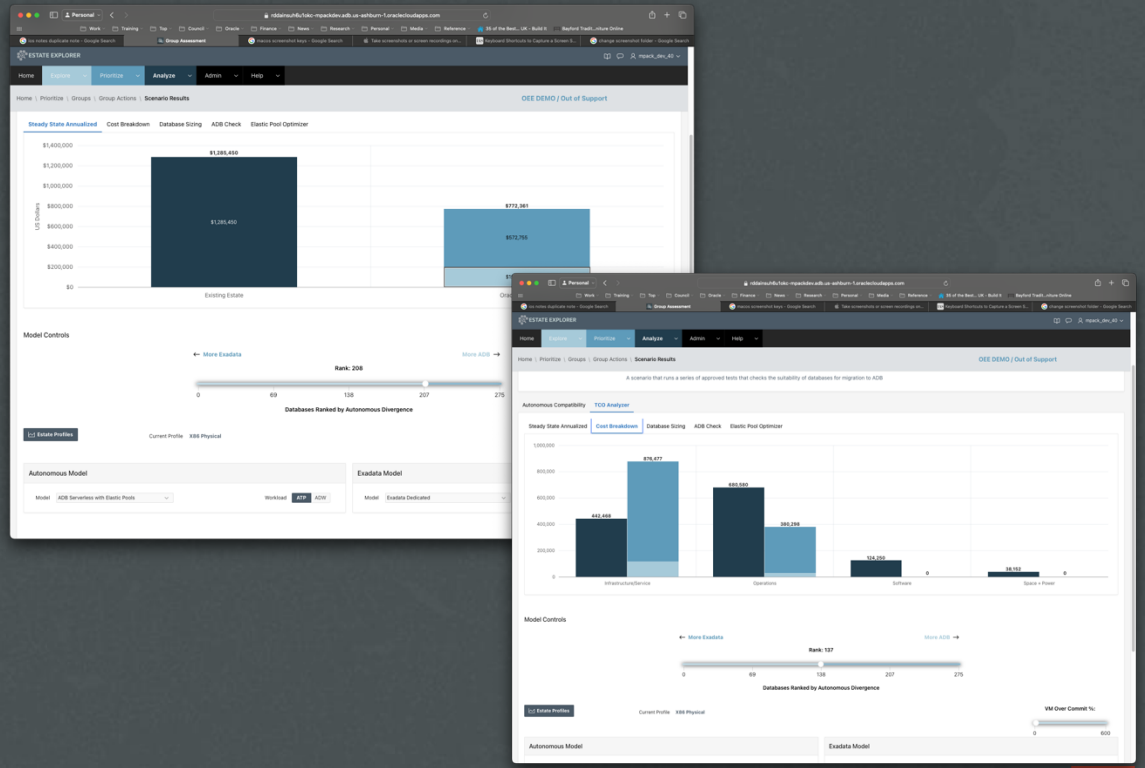
- Based on database links between databases
- Identify groups of linked databases
- Generate lists of clusters of databases
- Create linked groups for further analysis



TCO Analyzer – Compare current with future

Run-time TCO

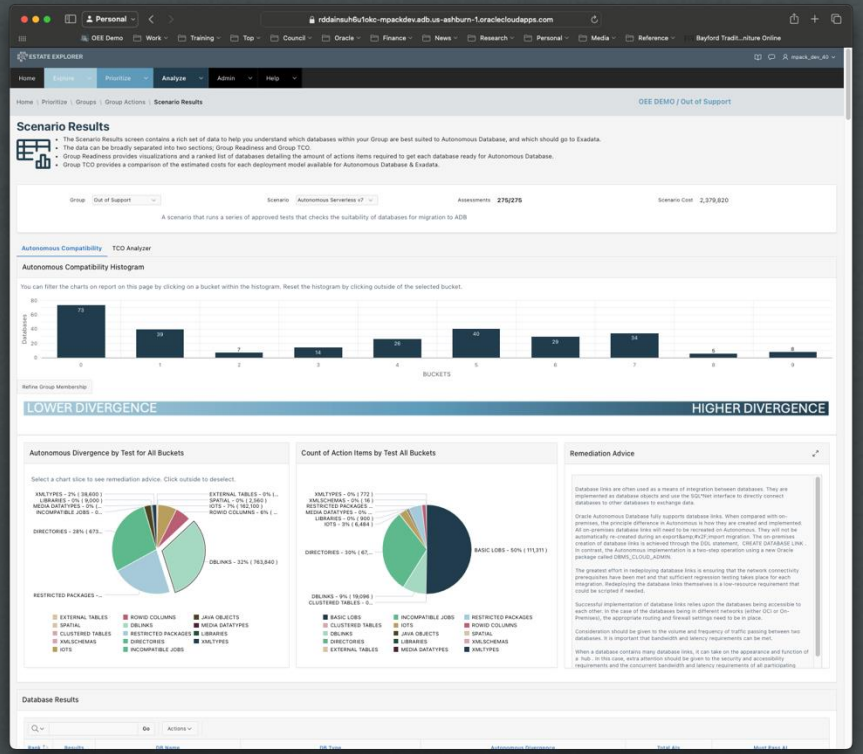
- Built from actual database information
- TCO model aligned with Business Value Team
- Compare on-prem, or other cloud with OCI
- Supports C@C and OCI as targets
- Flexibly split workloads between Exa and ADB



Estate Assessment for ADB

Migration preparation & effort

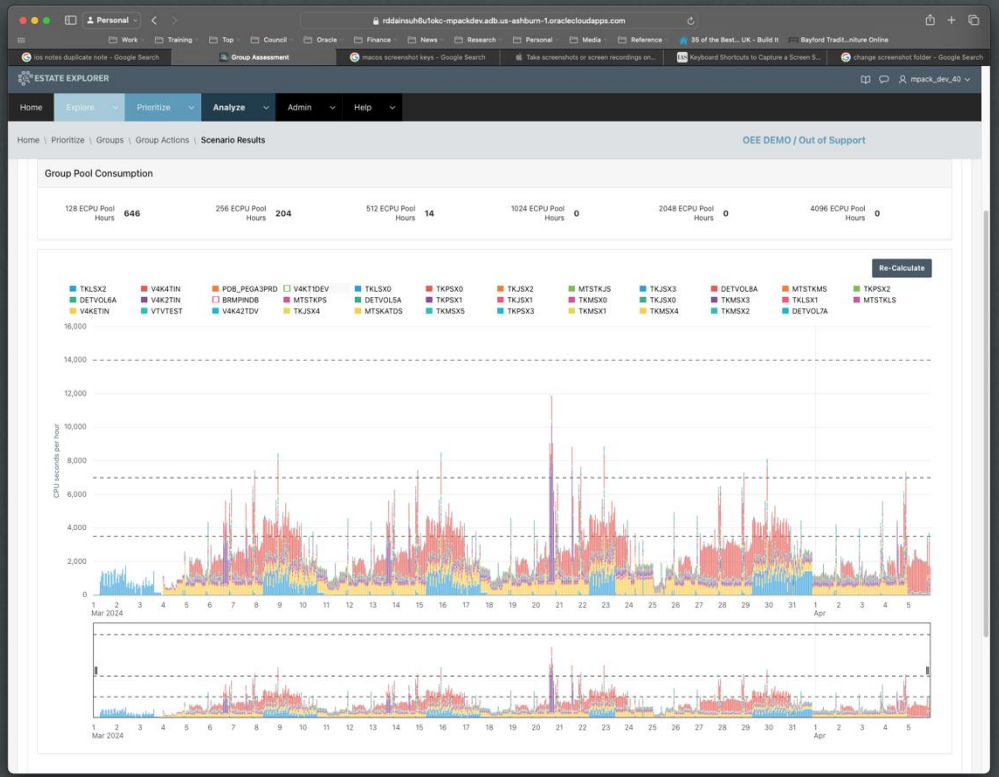
- Aggregate view
- Drill down to individual databases
- Detailed actions at an object level
- Customizable effort values
- View by count of objects or estimated effort



Elastic Pools Simulator

Simulate a set of workloads in ADB

- Based on actual CPU usage from AWR for one month
- Missing days and time intelligently interpolated
- Maps against Elastic Pool size and auto pool size
- Manual selection of databases to include/exclude
- Zoom into any time period for fine tuning



PDF Reports

A complete view of your database estate

- key estate facts and findings
- a league table with ranking of every database
- recommendations on categorization & prioritization
- remediation steps for each database at object level

Share as PDF

- generated in seconds without human intervention
- share easily across your organization in PDF

Estate Explorer – Key Features

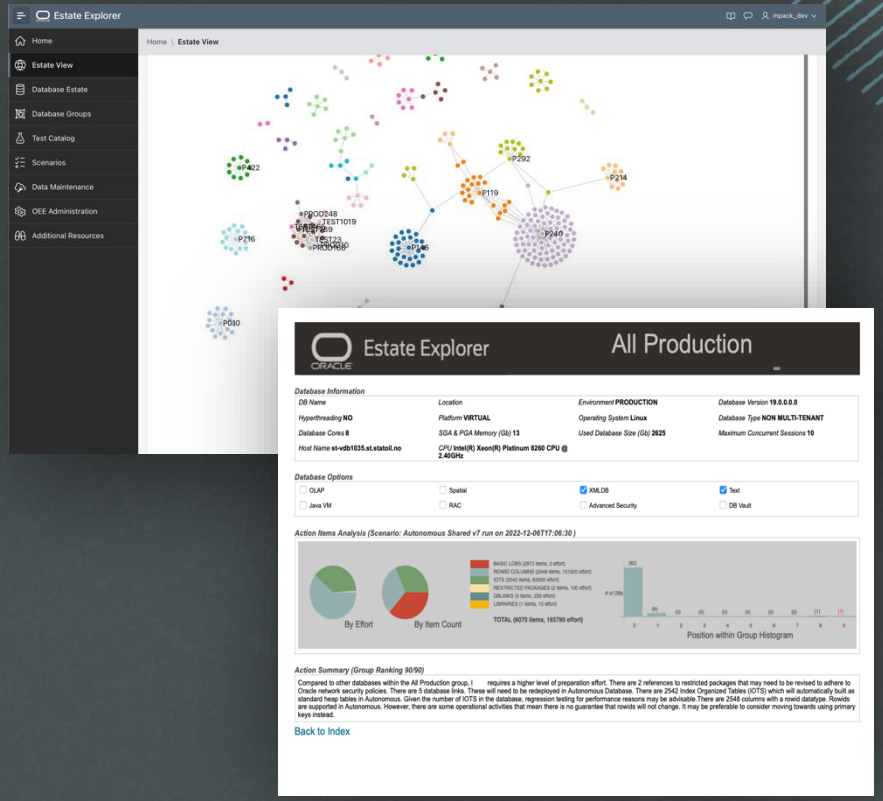
Key Functions

Analyze 1000's of databases in just a few hours

Visualize your current estate and simulate the future

Provide a detailed TCO to compare on-premises and cloud

Produce high quality summary and detailed reports for every database



Estate Explorer – Key Features

Key Principles

Data privacy no need to share data with Oracle

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

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

Code transparency for customers and partners

Customizable model build a custom estimation model for your organization

Database Modernization Team Services

Kick-start

OEE Technical Support

< 1 day per customer

Invest

+ OEE Results Analysis

1-5 days per customer

Focus

+ Estate Transformation

named transformation architect

We can work with you

Independent

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

Collaborative

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

Service

- Oracle hosts the Oracle Estate Explorer instance.
- You run the extracts and send the output to Oracle.
- Oracle delivers back a full report and provides detailed guidance

We can work with partners …

White Label

- Use your logo and branding on the application
- Easily change the pdf reports to your branding

Customize

- Provide custom scenarios for your customers
- Extend the standard tests or add your own tests (advanced)

What we would ask from you :

Retain an Oracle logo with “powered by Estate Explorer” on all screens and reports

Customer Database Estates

What have customers discovered about their database estates?

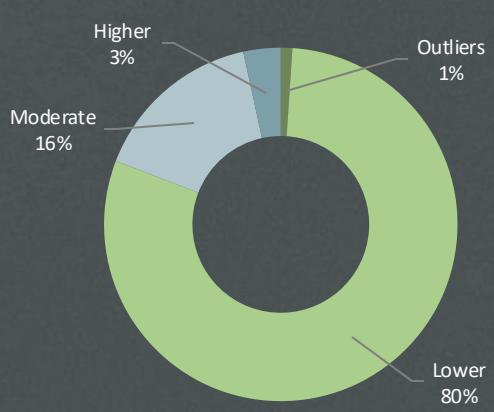
To move to Autonomous Database

42%

of databases require just 1 or 2 changes

Customer Examples

Small Estate

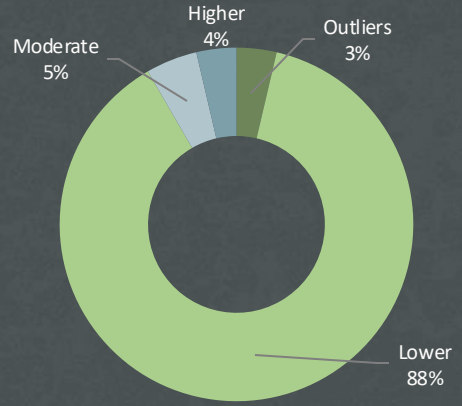


388 on-premises databases (11g, 12c, 19c)

80% of databases in Lower Effort category

26% of databases required zero or just 1 change

Multi-Cloud

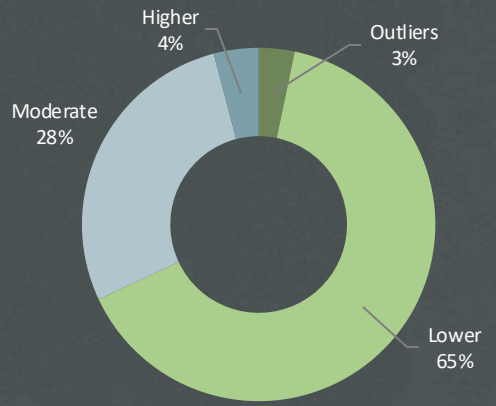


766 databases on-premises and on Microsoft Azure

88% of databases in Lower Effort category

30% of databases required zero or just 1 change

Large customer



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

65% of databases in Lower Effort category

47% of databases required zero changes

Oracle Estate Explorer

Where to find out more

Oracle Estate Explorer https://www.oracle.com/database/cloud-migration/estate-explorer/

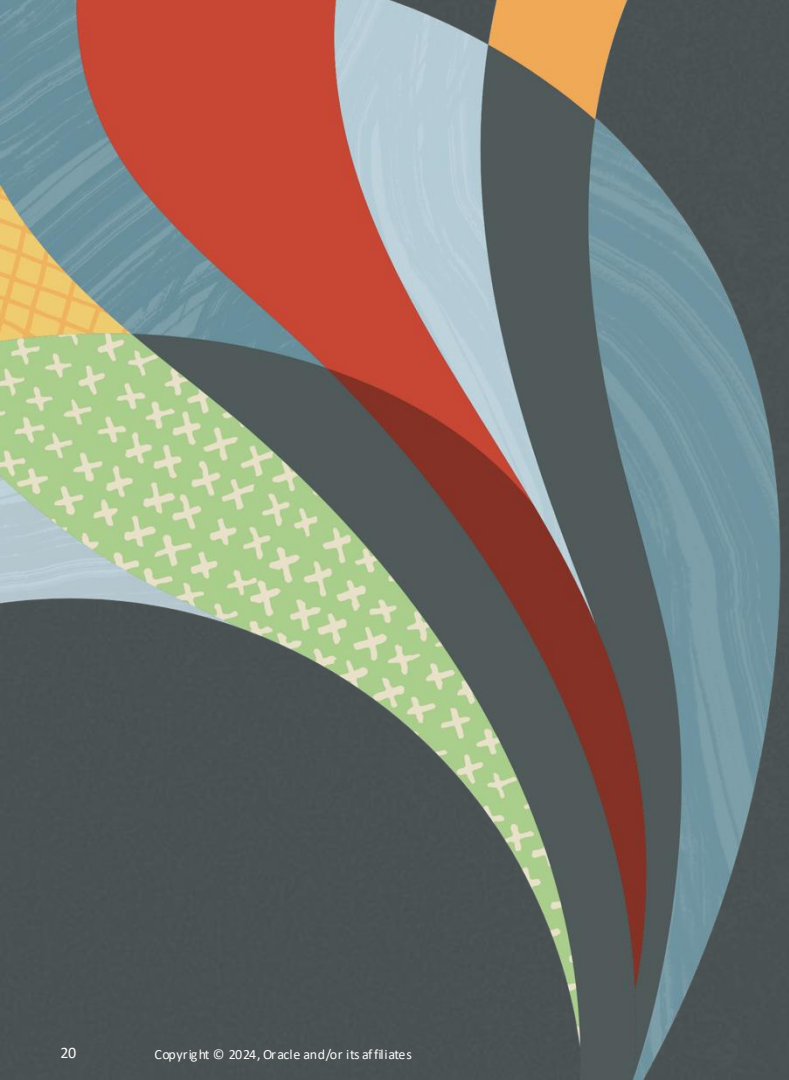
Modernization First Steps

Use Estate Explorer to:

Gain knowledge of your database estate

Identify quick-wins for migration to cloud

Build a business case-financial model to prove value



Thank you

Technical Extras

Deployment and Architecture

Estate Explorer : General Requirements

Your Estate

- Best used for analysis of > 10 databases
- Target Databases can be anywhere – on-premises, already in OCI, or on a competitor cloud
- Can analyze any database from version 12 onwards

Database Catalog

- Generate from Oracle Enterprise Manager **or**
- Provide a list of databases with connection details

Security and Confidentiality

- Only requires access to a read-only database account for each database to be analyzed (e.g. DBSNP)
- Extract scripts are open for any security validation and checks required
- No requirement to share any data with Oracle

Host environment

- Run the extracts in a host with a bash shell - a server, a container or even a laptop
- The host needs to be able to establish a network connection to the target databases

Where can I deploy the OEE Application ?

Requirements

Oracle Database 19c

APEX & ORDS

The APEX application is self-contained and ultra-lightweight with no external dependencies

Deployment Options

In a VM

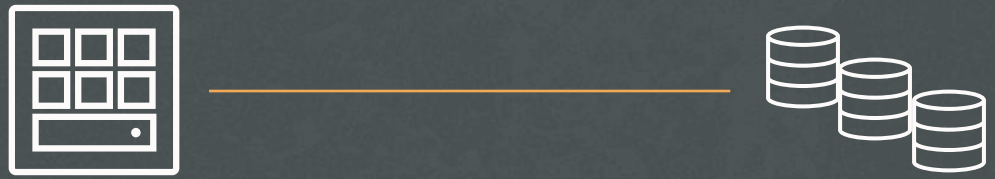
Autonomous Database

On-Premises

Any Cloud

Deploy the APEX application wherever you need it – full installation scripts are provided

How is the information captured ?



Host environment

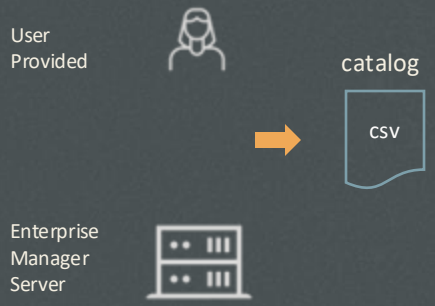
- Run the extracts in a host with a bash shell - a server, a container or even a laptop
- The host needs to be able to establish a network connection to the target databases
- A Linux host is recommended

Security and Confidentiality

- Only requires access to a read-only database account for each database to be analyzed (e.g. DBSNMP)
- Extract scripts are open for any security validation and checks required
- No requirement to share any data with Oracle

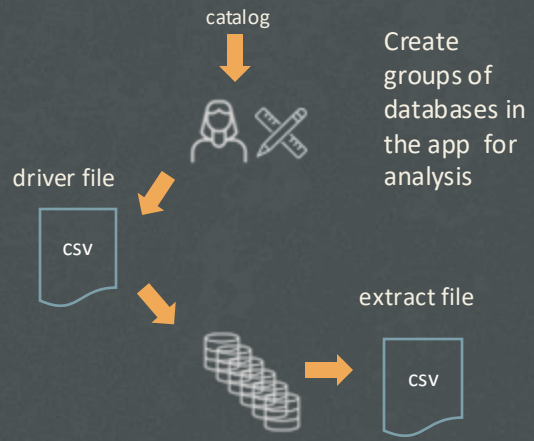
Estate Explorer - Architecture

1 – Build Catalog



Provide a database estate catalog, or generate automatically from OEM

2 – Extract Information



Single extract script connects to all databases extract information to csv

3 – Analyze Results

Analyze estate and produce Visualizations & Reports

Cloud or On-Premises