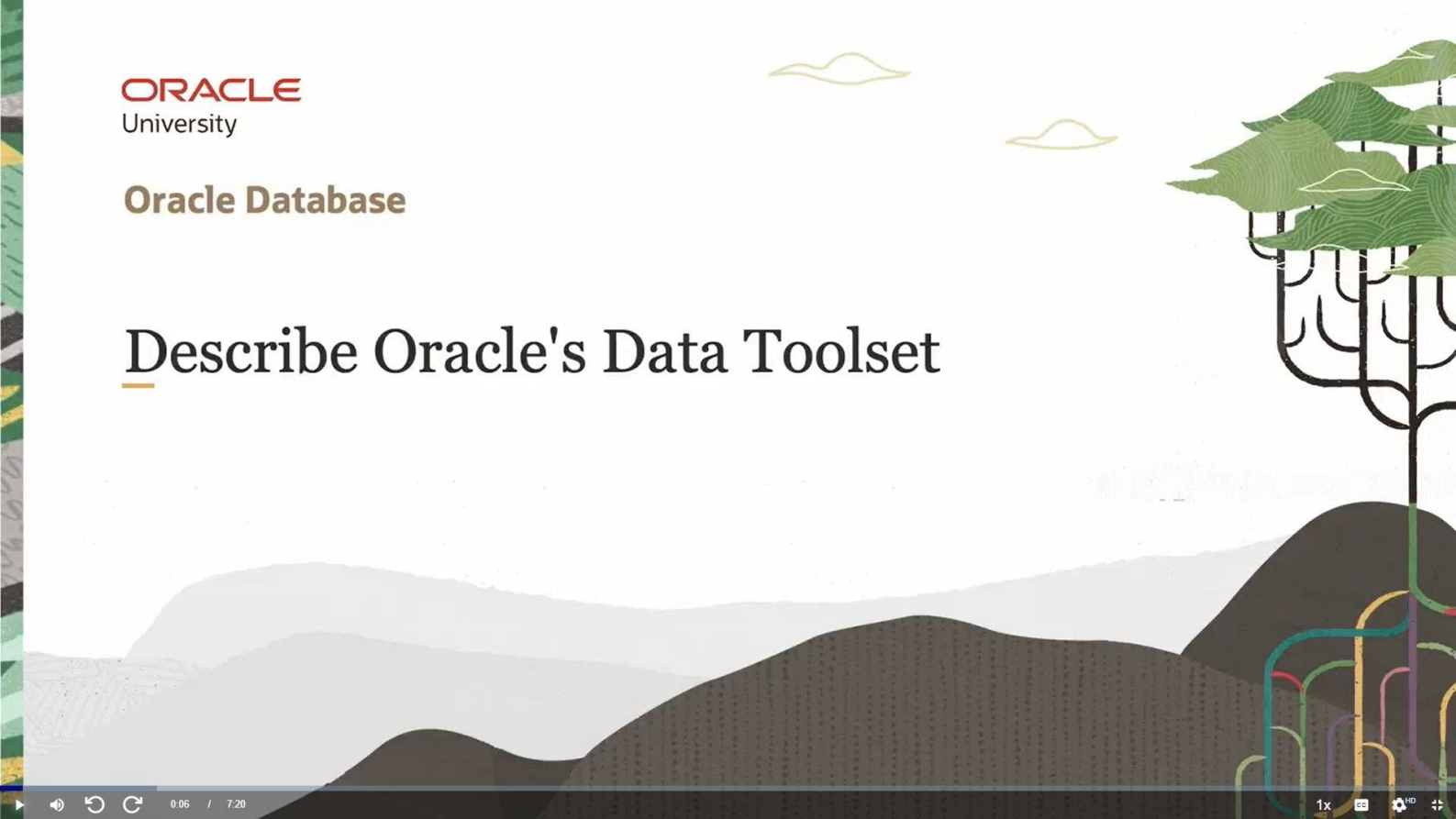
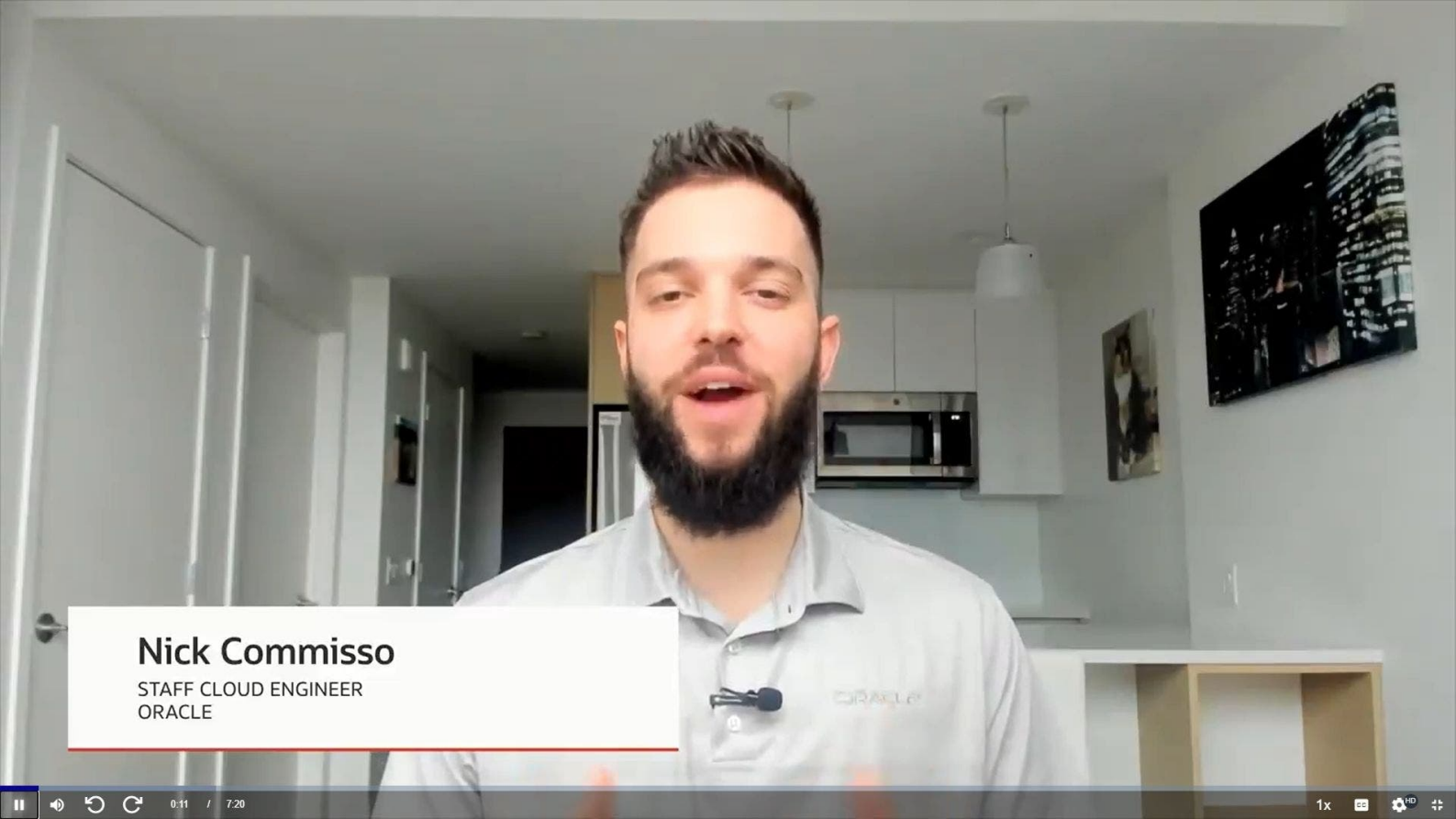
ORACLE
University

Oracle Database

Describe Oracle's Data Toolset




Nick Commisso
STAFF CLOUD ENGINEER
ORACLE
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1x

Autonomous Database with Built-In Tools Benefits All Players

Data Analysis in the Traditional Market

Best-of-breed, enterprise-class tools, tailored for the specialist

Oracle Data Integrator — Data load

Oracle Enterprise Data Quality — Data prep

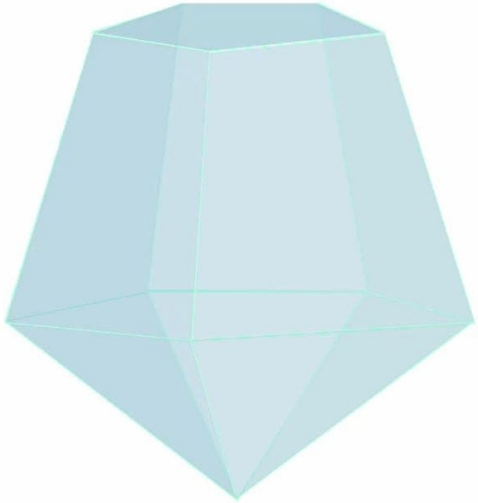
 Semantic modeling

 Data analysis

Whole > Sum (Parts)

Benefits of integration are multifaceted

- Integrated toolset
  - Preassembled
  - Preconfigured
  - Pre-deployed
  - Consistent UX
  - Best practices instantiated
- Common components
  - Business model
  - Catalog

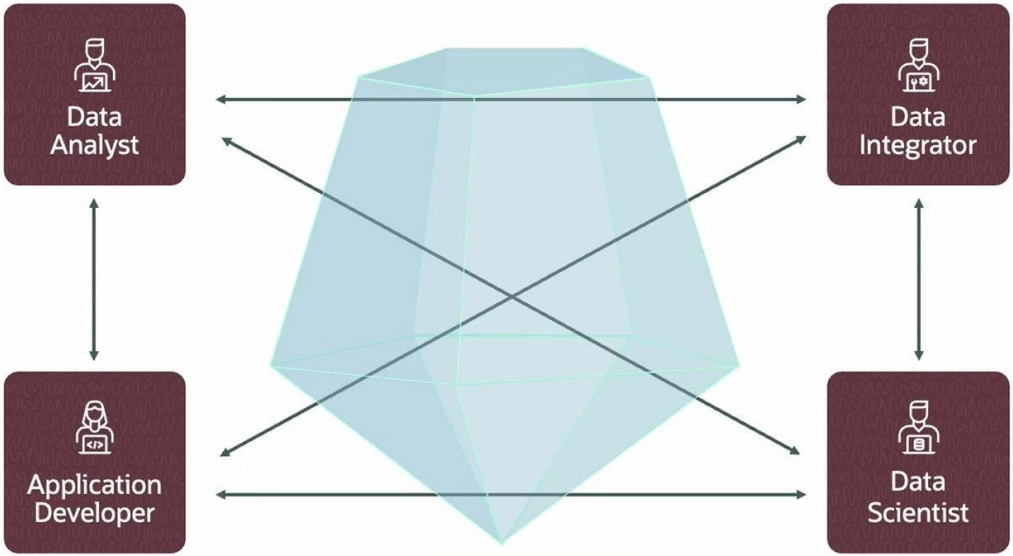


- Integrated data
  - Federated model
  - Common catalog
  - Silos eliminated
  - Common data sources
  - Confidence in lineage
  - Impact analysis

Collaboration by design

Whole > Sum (Parts)

Collaboration by design



Derive Insights from Data

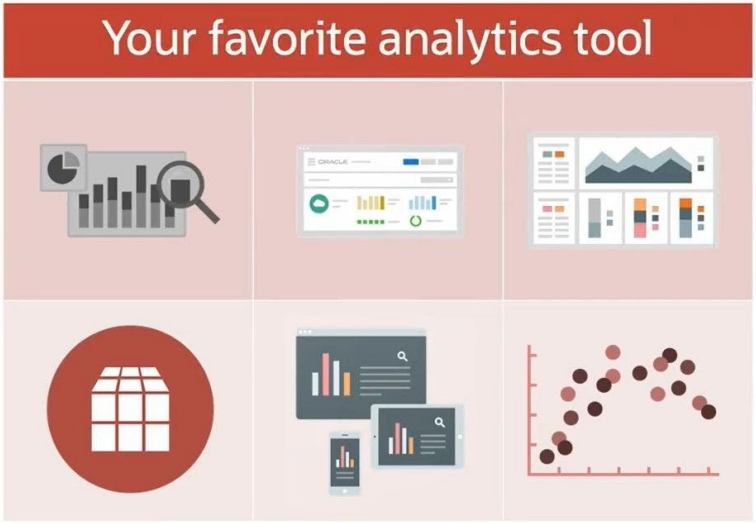
Open platform – nothing new to learn

It's an open platform

With open standards

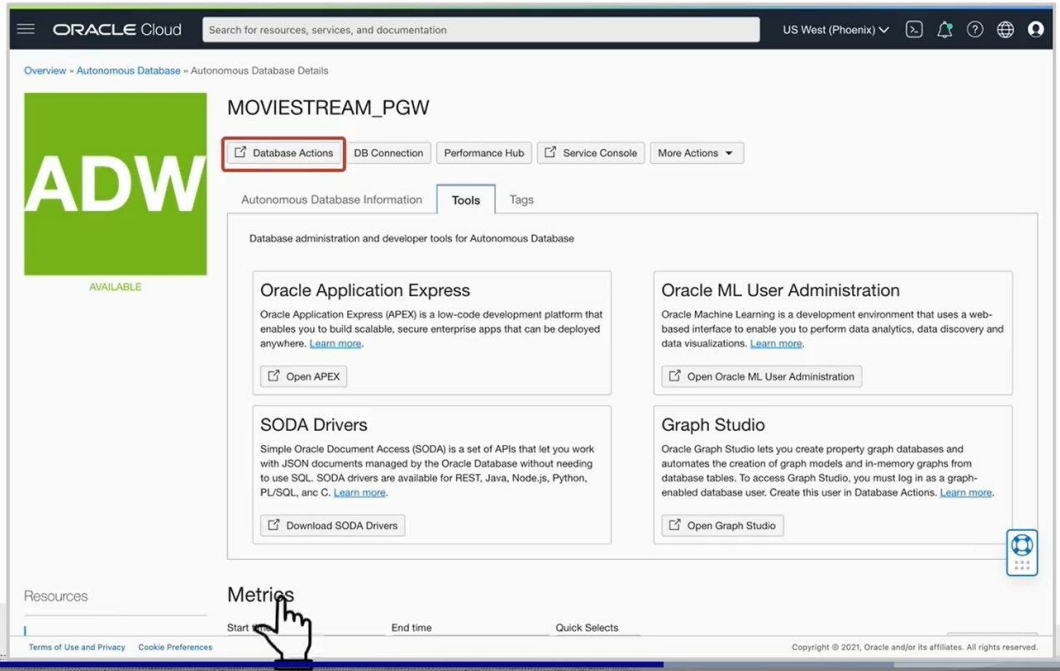
Derive Insights from Data

Open platform – nothing new to learn



Built-In Tool Suite

Nothing more to buy or install



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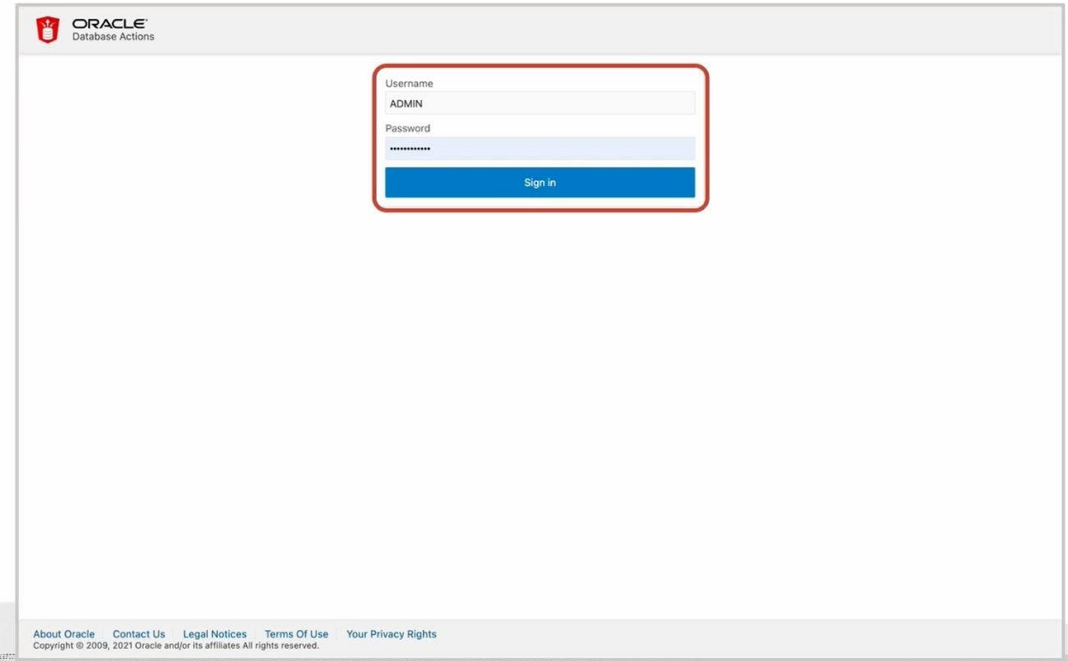

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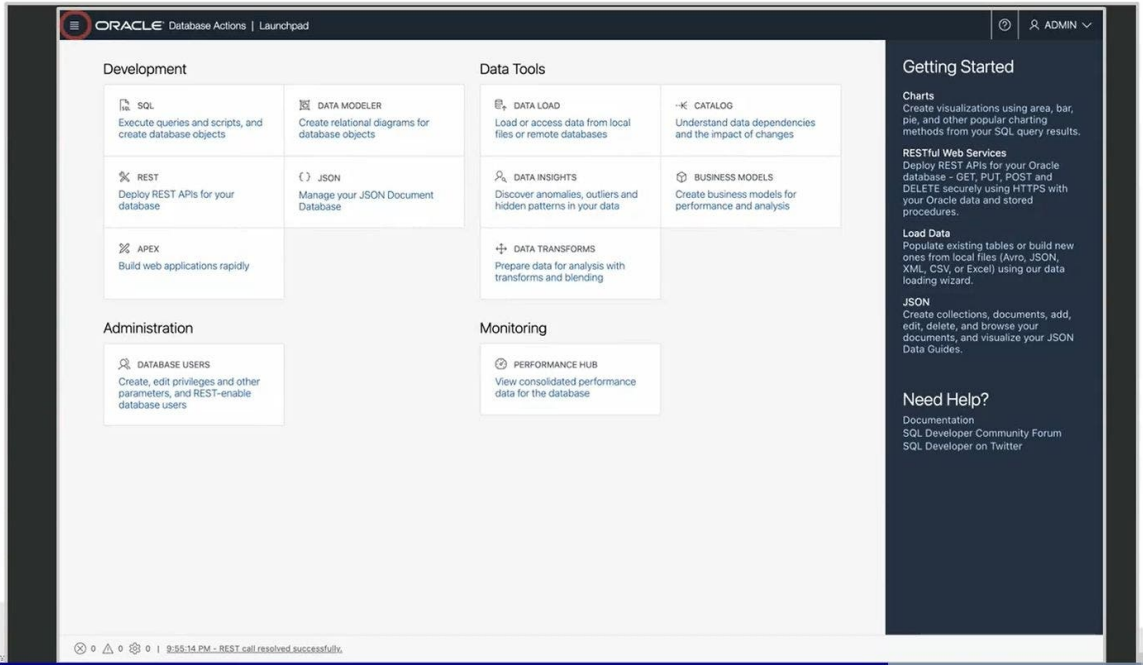
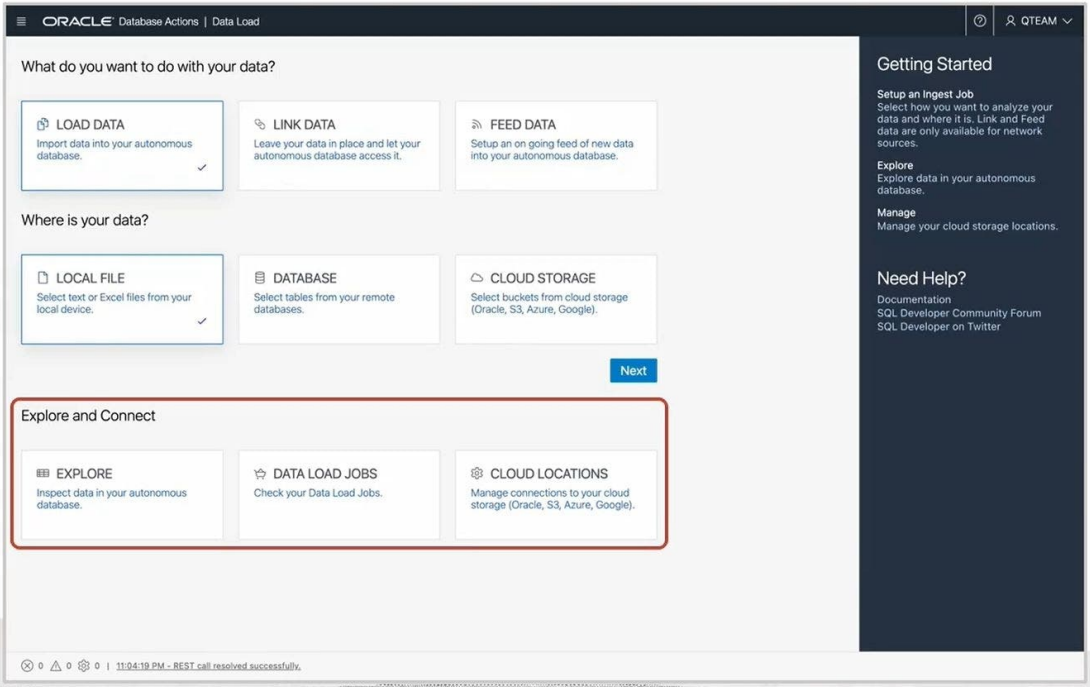


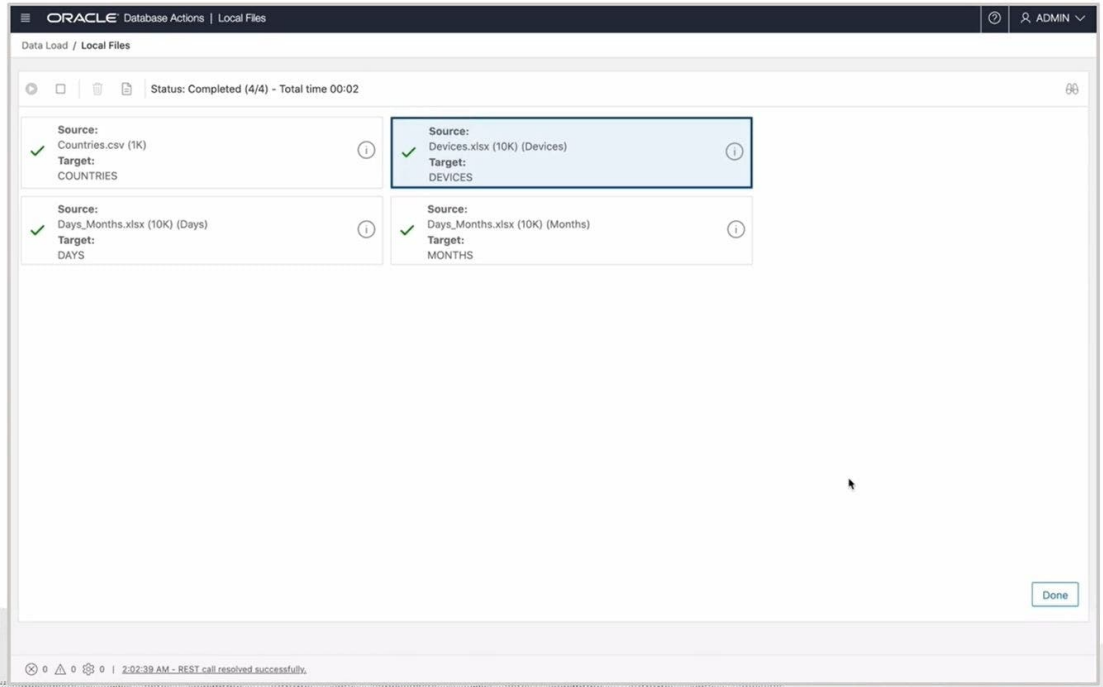
Data Load



Simple “drag-and-drop” data loading

- Files on local computer
- Files in Cloud Storage (including AWS S3 and Azure Blob Storage)
- Oracle Databases (on premises and in cloud)

Data Load



Drag-and-drop data load:

- From local files

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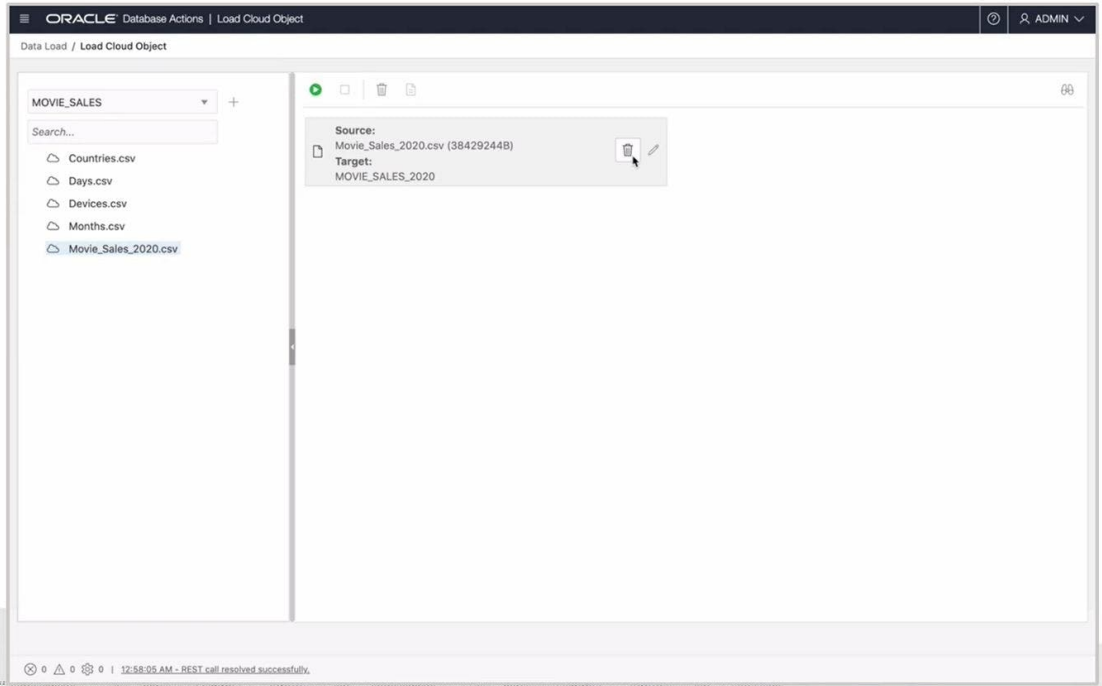
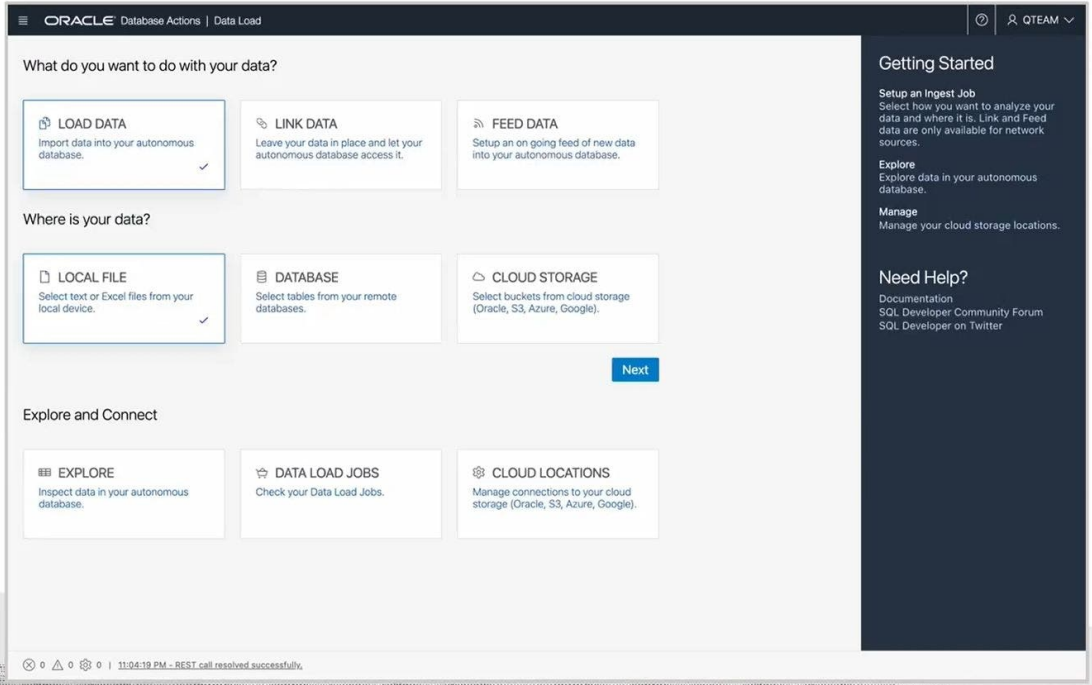
Data Load



Drag-and-drop data load:

- From local files
- From Object Storage

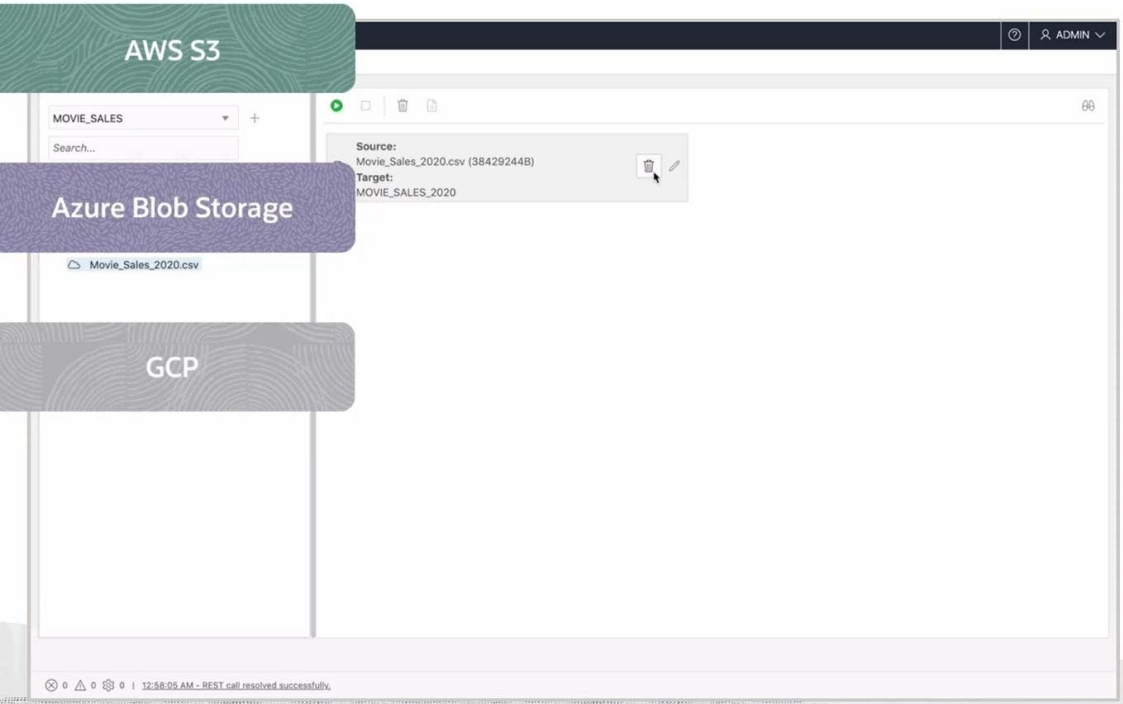
Data Load



Profile data after loading.

- Click the **Explore** card.
- Select the table.
- Press **Statistics**.

Data Load



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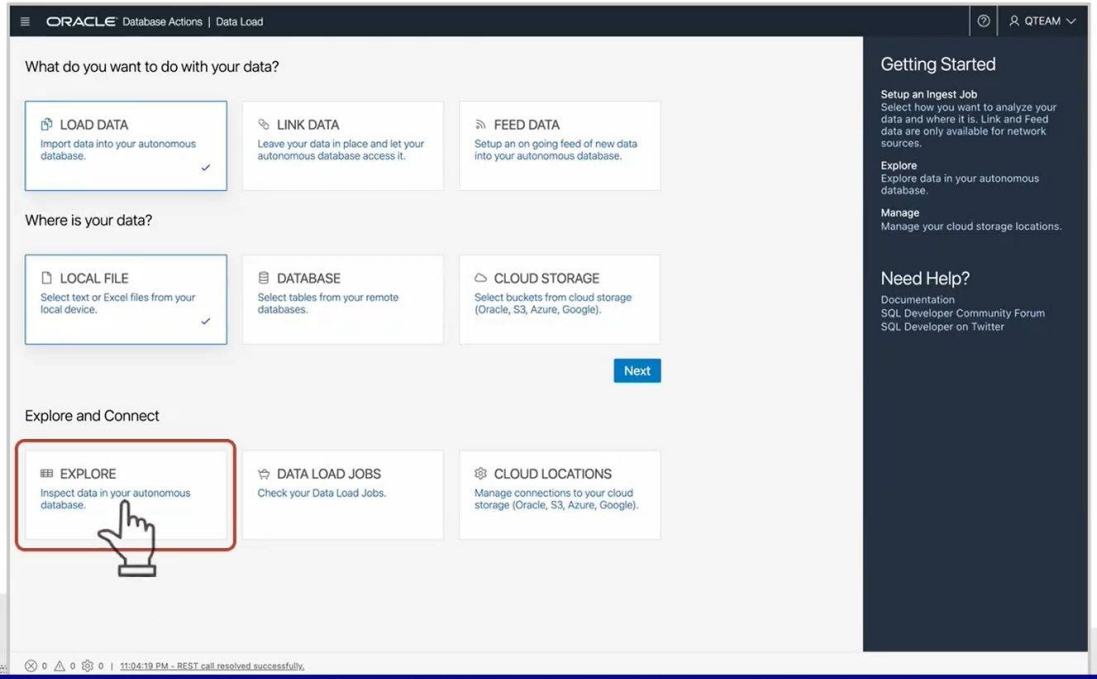
- From local files
- From Object Storage

Data Load



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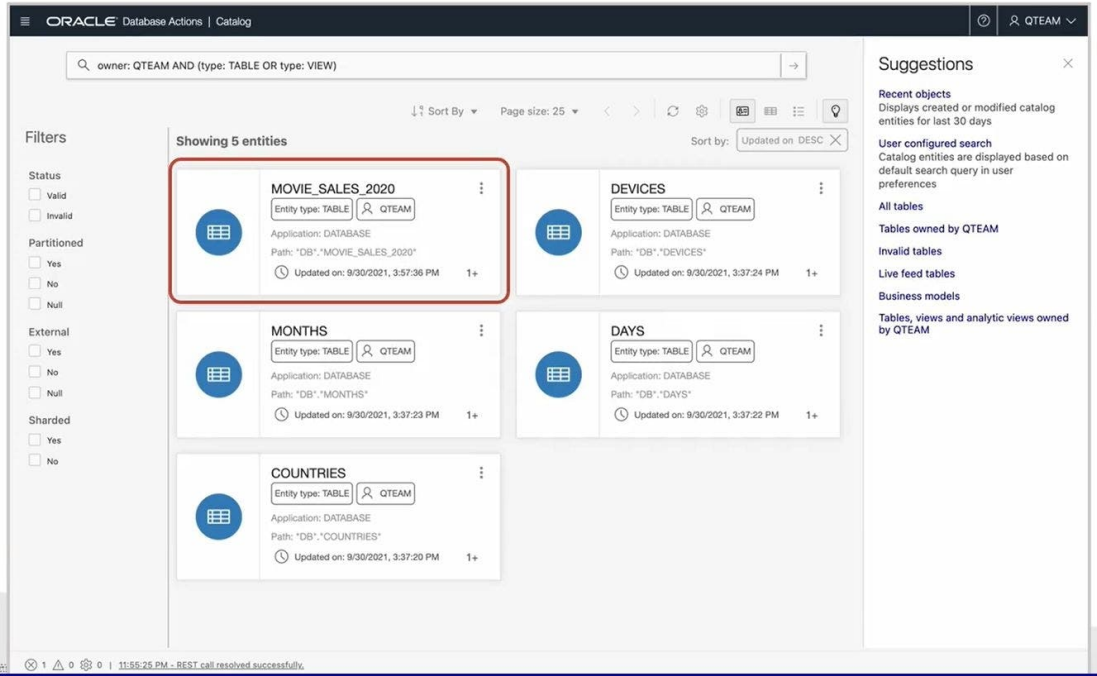

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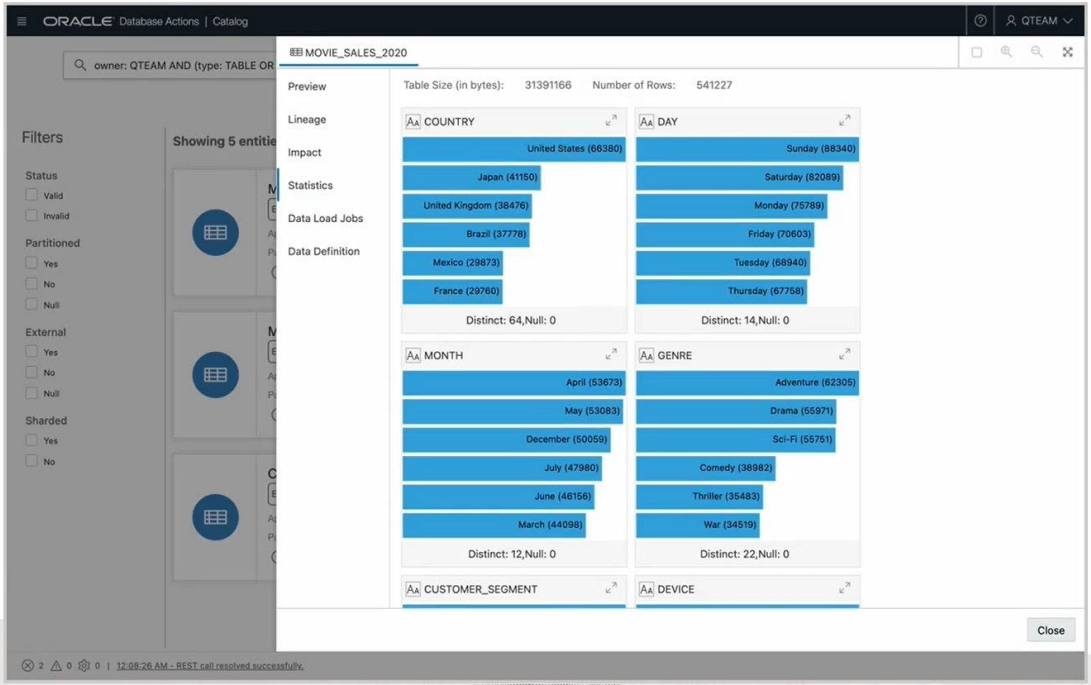
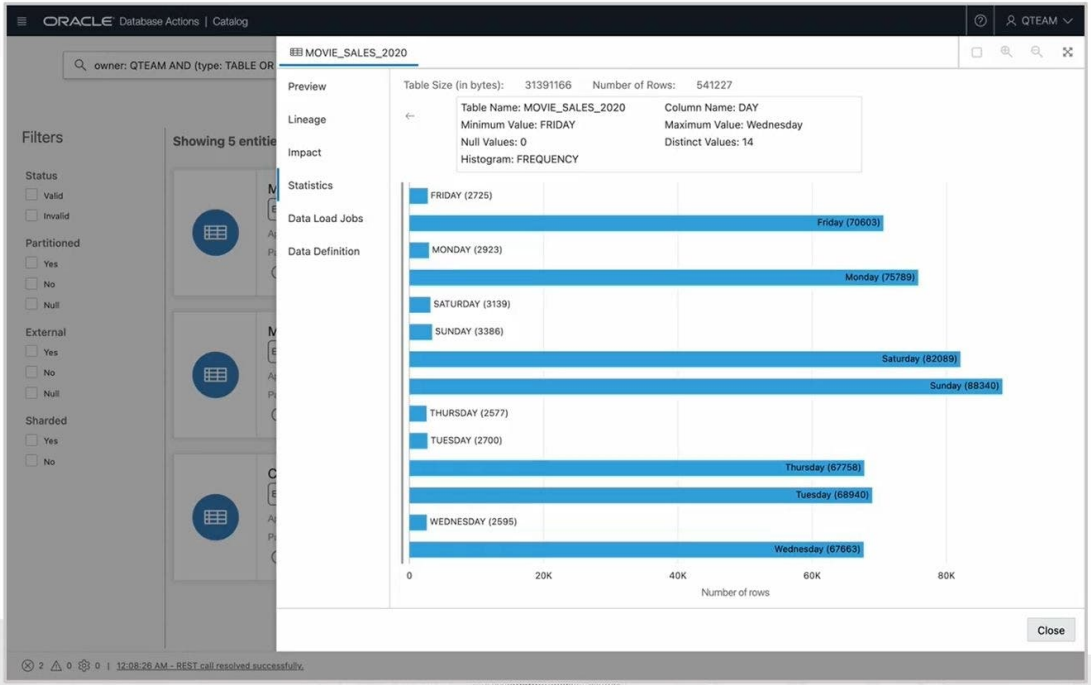


Identify data quality problems.

Data Load

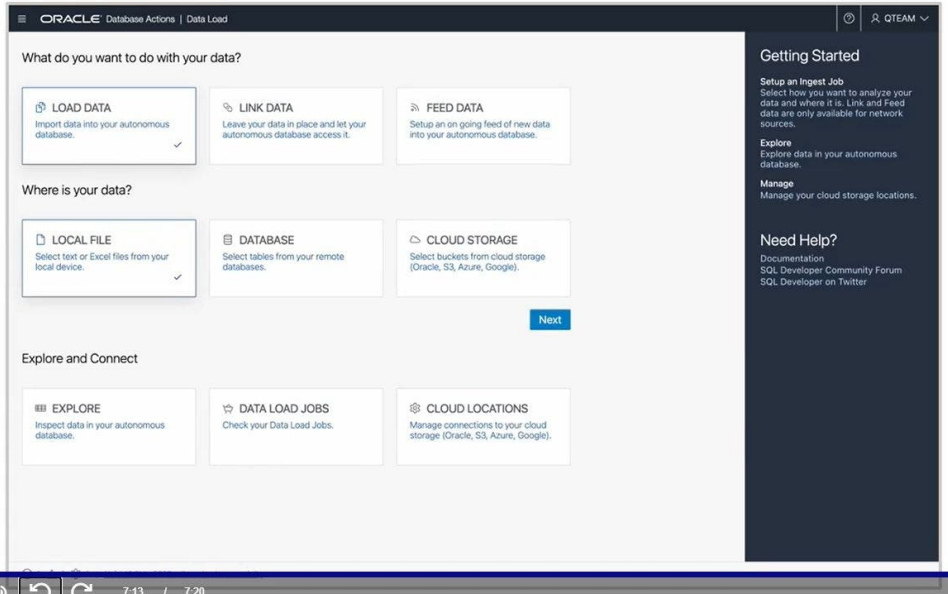


Identify data quality problems.

- 12 months (we only want 3)
- 14 days in a week!
- Drill in to investigate:
  - Inconsistent letter case

Data Load

Summary of demonstration



Simple “drag-and-drop” data loading

- Files on local computer
  - Multiple locations
  - Different file types
- Files in Cloud Storage

Inspect loaded data

- Identify quality problems.