



Autonomous Data Warehouse

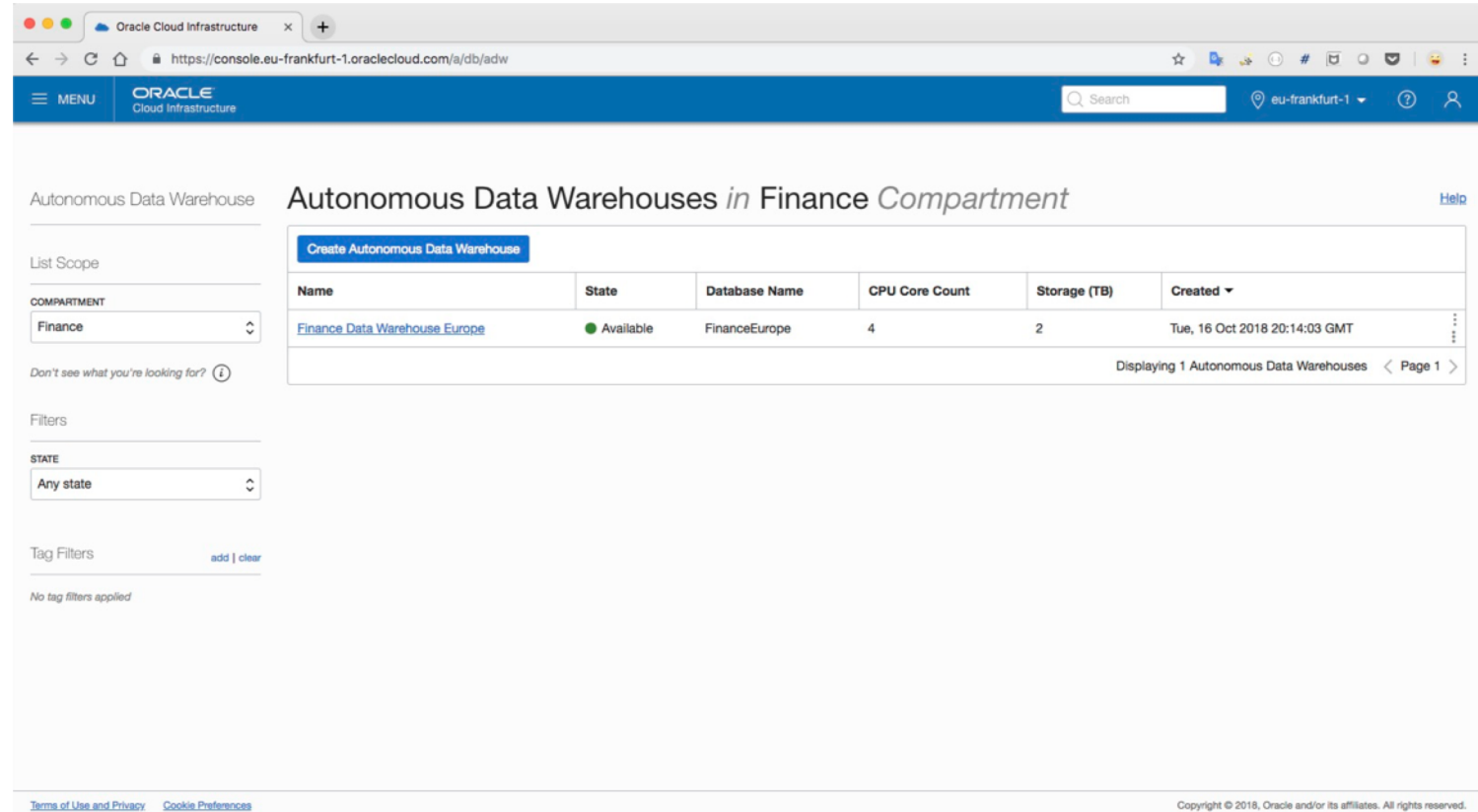
Autonomous Data Warehouse Cloud

- **Easy**
 - Fully-managed, pre-configured and optimized for DW workloads
 - **Simply load data and run**
 - No need to define indexes, create partitions, etc.
- **Fast**
 - Based on Exadata technology
- **Elastic**
 - Instant scaling of compute or storage with no downtime



Fully-managed

- Oracle automates end-to-end management of the data warehouse
 - Provisioning new databases
 - Growing/shrinking storage and/or compute
 - Patching and upgrades
 - Backup and recovery
- Full lifecycle managed using the service console
 - Alternatively, can be managed via command-line interface or REST API

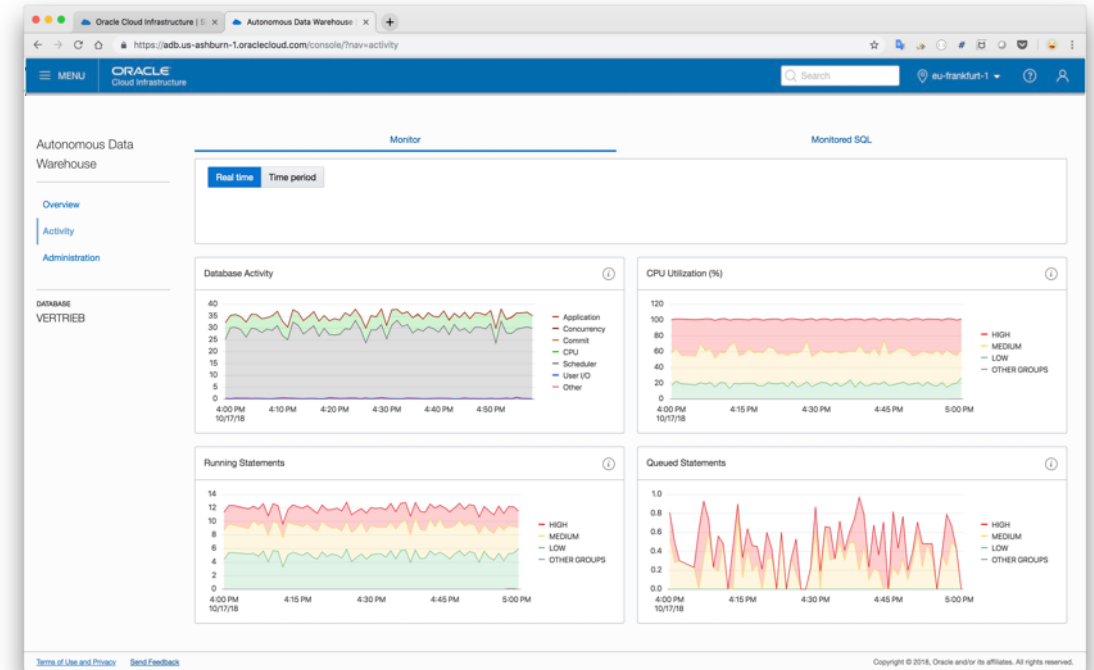


The screenshot displays the Oracle Cloud Infrastructure console interface. The top navigation bar includes the Oracle logo, a search bar, and the region 'eu-frankfurt-1'. The main content area is titled 'Autonomous Data Warehouses in Finance Compartment'. On the left, there are filters for 'COMPARTMENT' (set to 'Finance') and 'STATE' (set to 'Any state'). The main table lists one Autonomous Data Warehouse: 'Finance Data Warehouse Europe', which is 'Available' with 4 CPU Core Count and 2 Storage (TB). The creation date is 'Tue, 16 Oct 2018 20:14:03 GMT'. A 'Create Autonomous Data Warehouse' button is visible above the table. The footer contains links for 'Terms of Use and Privacy' and 'Cookie Preferences', along with a copyright notice for 2018.

Name	State	Database Name	CPU Core Count	Storage (TB)	Created
Finance Data Warehouse Europe	Available	FinanceEurope	4	2	Tue, 16 Oct 2018 20:14:03 GMT

Automated Tuning

- “Load and go”
 - Define tables, load data, run queries
 - No tuning required
 - No special database expertise required
 - No need to worry about tablespaces, partitioning, compression, in-memory, indexes, parallel execution
 - Fast performance out of the box with zero tuning
 - Simple web-based monitoring console
 - Built-in resource-management plans



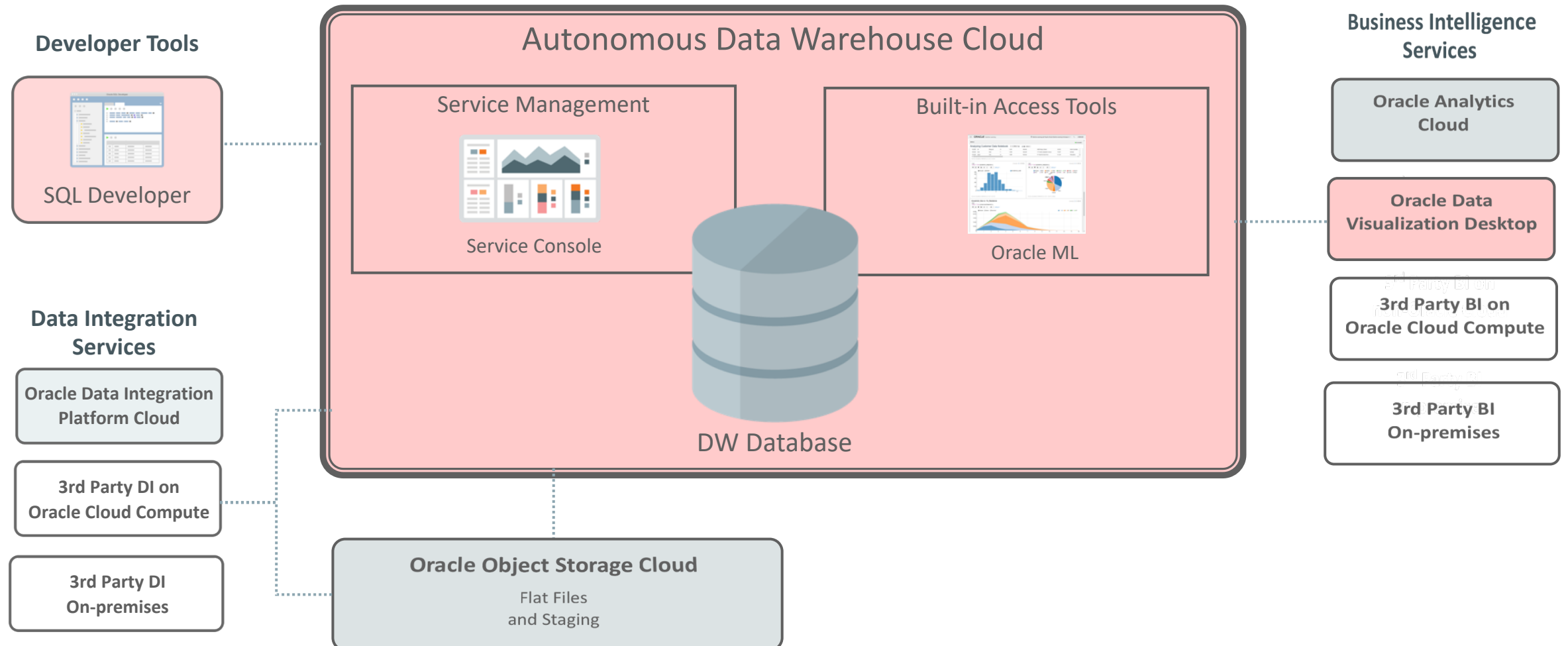
Fully-elastic

- Size the DW to the exact compute and storage required
 - Not constrained by fixed building blocks, no predefined shapes
- Scale the DW on demand
 - Independently scale compute or storage
 - Resizing occurs instantly, fully online
- Shut off idle compute to save money
 - Restart instantly

Full Support of DW Ecosystem

- Autonomous Data Warehouse Cloud supports :
 - Existing tools, running on-premises or in the cloud
 - Third-party BI tools
 - Third-party data-integration tools
 - Oracle BI and data-integration tools: BIEE, ODI, etc
 - Oracle cloud services: Analytics Cloud Service, Golden Gate Cloud Service, Integration Cloud Service, and others
 - Connectivity via SQL*Net, JDBC, ODBC

Autonomous Data Warehouse Cloud: Architecture



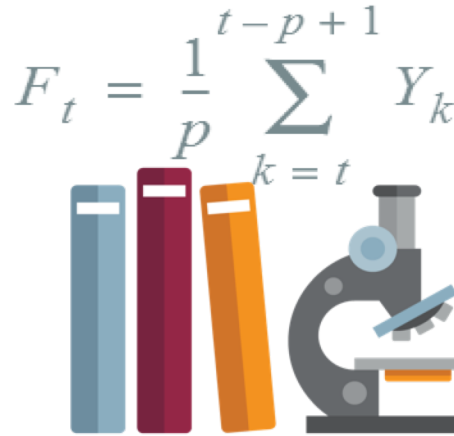
Key Use Cases for Autonomous Data Warehouse Cloud

Data Marts / Warehouses



Business Analytics

Sandboxes for Data Scientists



Machine Learning

Data Lakes



Query Across
All Data