Yes, it’s time to modernize to IDMC in the Oracle Cloud

Customer opportunities and case studies

Ed Zou
Vice President
Oracle Corporation
Safe harbor statement

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Agenda

1. The News
   Informatica, a preferred partner

2. Time to Modernize
   Modernize in OCI, the Oracle Cloud
   Oracle Data Platform

3. Making the switch
   Low migration risk

4. Spend less and lower your TCO
   Financial incentives
Informatica announcement
Brings an industry leader to OCI and joint accountability

An Oracle preferred partner
...for enterprise cloud data integration and data governance for data warehouse and lakehouse solutions on OCI.

Informatica on OCI: More than an ISV
• Oracle has co-engineered to optimize across all database platforms and OCI Object Storage (and with more OCI services going forward)
Informatica announcement
Brings an industry leader to OCI and joint accountability

Modernize your data warehouse and entire data platform
• Upgrade your capabilities and offload operational responsibilities
• Improve data governance and operate at scale within and across clouds

Spend less and lower total cost of ownership
• OCI can run INFA workloads at 50% less cost than other cloud platforms
• Preserve existing investments and skills – minimize business disruption
• Many financial incentives to migrate workloads to OCI

Committed to your success
• Three partners are aligned to offer services and automated migration programs
"Oracle and Informatica are a natural pairing, and this partnership offers customers significant value. Customers are offered many incentives to migrate to the cloud and retain their existing on premises investments."

Stewart Bond, Research Director
IDC’s Data Integration and Intelligence Software Service.
Oracle customers have been using Informatica for years
Investments across mission critical applications, data warehouse and analytics ecosystems
Architectures are continuously innovating
Economics are changing data persistence, management and analytics architectures

On premises
- Building monoliths
  - Data warehouse

Cloud
- Economic alternative
  - Data Lake

Cloud
- Can’t exist alone
  - Data warehouse

Multicloud Fabrics and Sky
- Needed:
  - Open ecosystem
  - Enterprise Data Platform
Modernize your Data Warehouse

Upgrading to Oracle Cloud Infrastructure
Oracle has a data ecosystem for every architecture
Best in class data stores, cloud economics, and multicloud interconnects

Data Sources
- Oracle Applications
  - SaaS Apps, Classic Apps
  - Any application
  - IoT, APIs, Web, Social
  - Any SaaS, Any Cloud

Oracle Data Platform
- Data Integration
- Transaction processing
- Data Warehousing
- Data Lake
- Machine Learning & AI
- Analytics/Visualization
- App Dev

Governance, Security, Performance, and Management

Deployment options
- Public Cloud
- Cloud@Customer
- On premises
- Multicloud
- Sovereign and Dedicated Cloud
Oracle Data Platform is an enterprise-class multicloud ecosystem
Unique best-in-class economics, functional leadership, and deploys everywhere

<table>
<thead>
<tr>
<th>Cloud Economics</th>
<th>Database Excellence</th>
<th>High Speed Networks</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>High performance and lowest prices</em></td>
<td><em>High performance and lowest TCO</em></td>
<td><em>On-prem, private, public and hybrid</em></td>
</tr>
<tr>
<td>Compute</td>
<td>MySQL Heatwave</td>
<td>Exadata 100 GB/sec</td>
</tr>
<tr>
<td>Networking</td>
<td>Mixed workload</td>
<td>FastConnect 10 Gbps</td>
</tr>
<tr>
<td>Object storage</td>
<td>Exadata</td>
<td>Azure Interconnect 10 Gpbs, under 2ms latency</td>
</tr>
<tr>
<td>Block storage</td>
<td>Exadata C@C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Autonomous</td>
<td></td>
</tr>
</tbody>
</table>

#1 #1 #1
Oracle Cloud Infrastructure Global Footprint

April 2023: 41 Regions, 10 planned; 12 Azure Interconnect Regions

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100% renewable energy by 2025
A distributed cloud, available in more ways and places

**Multicloud**
Our products work with your other providers

**Public cloud**
Access OCI cloud services from 40+ global regions

**Hybrid cloud**
We bring cloud services to you

**Dedicated cloud**
A cloud just for you
# Lower product pricing across the stack

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>SERVICE Description</th>
<th>Oracle (OCI)</th>
<th>Amazon (AWS)</th>
<th>Microsoft Azure</th>
<th>Google (GCP)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COMPUTE</strong></td>
<td><strong>Virtual Machine Instance</strong> 1 (AMD, 4 vCPU, 16 GB RAM, Monthly)</td>
<td>$54</td>
<td>+134%</td>
<td>+157%</td>
<td>+132%</td>
</tr>
<tr>
<td></td>
<td><strong>DenseIO Virtual Machine Instances</strong> ($/OCPU/ Hour)</td>
<td>$0.025</td>
<td>+54%</td>
<td>+46%</td>
<td>+70%</td>
</tr>
<tr>
<td></td>
<td><strong>Bare Metal Standard</strong> ($/OCPU/ Hour)</td>
<td>$0.064</td>
<td>+50%</td>
<td>Same</td>
<td>N/A 2</td>
</tr>
<tr>
<td></td>
<td><strong>Kubernetes Cluster</strong> (100 vCPU, 750 GB RAM, Monthly)</td>
<td>$1,734</td>
<td>+142%</td>
<td>+119%</td>
<td>+142%</td>
</tr>
<tr>
<td><strong>STORAGE</strong></td>
<td><strong>Block Storage</strong> (1x1TB, 15K IOPS, 125 MB/s, Monthly)</td>
<td>$522</td>
<td>3×</td>
<td>3×</td>
<td>3×</td>
</tr>
<tr>
<td></td>
<td><strong>Object Storage</strong> 3 (30K objects @ 100MB, Std/Infrq/Arch, Monthly)</td>
<td>$70</td>
<td>7×</td>
<td>Same</td>
<td>3×</td>
</tr>
<tr>
<td><strong>NETWORK</strong></td>
<td><strong>Public Bandwidth Transferred Out</strong> (50 TB, Monthly)</td>
<td>$340</td>
<td>13×</td>
<td>10×</td>
<td>10×</td>
</tr>
<tr>
<td></td>
<td><strong>Private Line Network</strong> (100 TB Data, 1 Gbps, Monthly)</td>
<td>$155</td>
<td>14×</td>
<td>19×</td>
<td>13×</td>
</tr>
<tr>
<td></td>
<td><strong>MySQL Database</strong> (16 vCPU, 64 GB RAM, 500 GB, Monthly)</td>
<td>$345</td>
<td>3×</td>
<td>4×</td>
<td>3×</td>
</tr>
</tbody>
</table>

1 Comparisons performed with the eastern U.S. equivalent region.
2 Google does not publicly disclose its bare metal pricing.
3 10K new objects into standard, 10K objects moved to infrequent, 10K objects moved to archive. 40K objects retrieved from standard. 2.5K objects retrieved from infrequent. 1K object retrieved from archive. Directory listing of all objects every 15 minutes. Auto-tiering is enabled, if available.

Green = Lowest cost
Based on published pricing as of April 9, 2023

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Oracle Data Platform also supports leading industry standards
Autonomous Database can securely publish data using the Delta Sharing standard

Delta Sharing protocol enables open and secure data sharing
• Share across any platform: company data centers, cloud providers
• Secure and governed: grant, revoke, audit, track

Share with anyone in any cloud
• Implemented via open-source Delta Sharing API
• Any supported recipient: other databases, data analytics tools, open-source platforms

Optimized sharing within Oracle Cloud
• Implemented via Cloud Links
• Automatic recipient notification and share discovery
Adding and integrating Informatica IDMC services
Preserve PowerCenter investments and adds best-in-class governance services

Oracle Data Platform

Informatica is Oracle’s preferred partner for data integration and governance
## Co-engineered technology and business practices

Our partnership is working towards a best-in-class customer experience

<table>
<thead>
<tr>
<th>Native OCI deployment</th>
<th>Data Store integration optimization</th>
<th>Valuable data services</th>
<th>Commercial experience</th>
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<tbody>
<tr>
<td>Leverages OCI architecture</td>
<td>Co-engineering</td>
<td>OCI portfolio additions through IDMC</td>
<td>Low costs and simplified</td>
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<tr>
<td>Secure VM implementation</td>
<td>Autonomous Database</td>
<td>Data Governance</td>
<td>Bill on behalf</td>
</tr>
<tr>
<td>Low latency Interconnect to Azure</td>
<td>Exadata Cloud Service</td>
<td>Data Catalog</td>
<td>Use Universal Credits</td>
</tr>
<tr>
<td></td>
<td>OCI Object Storage</td>
<td>Data Quality</td>
<td>Support fee offsets</td>
</tr>
</tbody>
</table>

#1
UK Passenger Rail Car Supplier – Porterbrook

**Business motivation**

- Reduce IT administrative and infrastructure costs
- Upgrade analytics performance and reporting

**Key strategies**

- Adopt autonomous data warehouse
- Use Oracle Lift for guidance and assistance
- Plan to migrate EBS to OCI for additional efficiency

**Details**

- Migrate on premises OBIEE data warehouse and custom data warehouse to Oracle Autonomous Data Warehouse
- Migrate OBIEE to Oracle Analytics Cloud

“We decided to modernize our Oracle E-Business Suite analytics software to Autonomous Data Warehouse and Analytics Cloud and use Informatica Data Management Cloud to move the data. From the very start, both Informatica and Oracle proposed a joint solution and have worked together to support us throughout the migration process.”
Midsize Regional Bank
Least business and technology disruption

Business motivation
• Reduce IT infrastructure costs

Key strategies
• Preserve PowerCenter integration investments
• Use Oracle and Informatica migration services
• Ensure security and thorough testing
• Use existing expertise

Details
• Migrate PowerCenter to IDMC for data integration
• Migrate on premises data warehouse to Oracle Autonomous Data Warehouse
Government Agency – Dept of Justice
Preserved prior investments in large database and integration estate and modernized

Sources
- On premises and cloud applications
  - Oracle Databases
  - Data Integration
    - Informatica
    - PowerCenter on OCI
  - Exadata
  - Autonomous
  - Dedicated
  - On premises databases and data warehouses

Business motivation
- Agencywide initiative for cloud migration
- Use current supported versions for INFA and Oracle

Key strategies
- Preserve PowerCenter integration investments
- Use Oracle and Informatica migration services
- Use a dual software and service strategy to minimize business risk, time, and optimize performance.

Details
- Migrate PowerCenter to IDMC for data integration
- Migrate PowerCenter to OCI temporarily
- Consolidate Oracle Database estate onto Exadata
- Migrate on premises data warehouses to Oracle Autonomous Data Warehouse

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McGraw Hill

Modernized apps and analytics carefully limiting disruption and risk

**Oracle Applications Evolution**

- A: Finance Hub
- B: Supplier Mgmt
- C: Remaining Oracle E-Business Suite (upgraded)

**Platform Evolution**

- Self-managed: On premises
- Oracle managed: Cloud on-prem
- Oracle Cloud
- Oracle SaaS
- Oracle Exadata - Apps
- Exadata Cloud Service
- Data Warehouse

**Business motivation**

- Existing data warehouse expensive to maintain/grow
- Need better integration with cloud sources and targets
- E-Business Suite needed to be upgraded
- Use existing expertise

**Key strategies**

- Limit business disruption with a phased schedule
- Use Oracle and Informatica migration services
- Adopt best-of-breed app strategy to meet business requirements

**Details**

- Migrate PowerCenter to IDMC for data integration
- Migrate on premises Oracle Data Warehouse to a ExadataC@C and Exadata Cloud Service
- Migrate E-Business Suite to SaaS and Exadata CS
Distributed data requires governance
How can you enable autonomy and trust?

Governance and quality are essential

• Even simple analytics based on complex, multi-source portfolios need to prove provenance, lineage, and ensure quality.

• Data with regulatory requirements must prove compliance. E.g. GDPR, HIPAA

Informatica Data Governance
Discover, measure, unify, and understand your data

• What does the data mean?
• Where does it come from?
• What is the data quality?
• What is the appropriate use?
• Can I use the data?
• Who can help me?

Data Catalog
Scan | Identify | Tag | Classify
Catalog Data | Curate
Discover

Data Quality
Measure Quality | Remediate
Issues | Monitor
Measure

Data Marketplace
Create | Publish | Search
Shop | Fulfill Track
Deliver

Automation
Operationalize
Self-Service

Define & Collaborate

Data Governance

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Deploying the entire Oracle Data Platform
An enterprise architecture for applications, data, and analytics

Asyad Group is Oman’s global integrated logistics service provider

Requirements

• Data silos from 6 companies and 50 applications
• Inefficient acquisition of static and streaming data
• Single version of master data
• Improve data quality and AI/ML predictions
• Comply with Cloud First regulatory requirements

Solution

• Oracle and Informatica provide unified solution on Oracle Dedicated Region Cloud@Customer
• Oracle: Data Lakehouse, Analytics and AI/ML
• Informatica: Data Catalog, Quality, Governance, MDM
• Flexibility to add Informatica and Oracle services
Making the Switch

Low migration risk
Migration expertly coordinated across three partners
Three partnerships are committed to accountability and less risk, disruption, and cost

Informatica Migration Factory

Assess
Scope work
Prepare environment

Prepare
Automated conversion / manual conversion

Convert
Verify converted metadata, data validation and testing

Validate
Organize assets, users, access control

Organize
Update schedulers and scripts

Productionize
Performance tuning and best practices optimization

Optimize

Migration Factory delivers up to 90% automation

Modernize to Oracle Autonomous Database up to 12x faster
Together, Oracle and Informatica will help you modernize

**Do More**
Best data ecosystem from two industry leaders
- Use analytic/ML insights faster
  - Within and across clouds
  - Merging diverse data sets
- Empower users with self-service
  - Higher data quality
  - Increase trust with visibility
- Upgrade database performance
  - Autonomous, Exadata, C@C

**Spend Less**
Lower your total cost of ownership
- Reduce and eliminate
  - Support fees
  - On premises infrastructure
  - DB and security administration
- Lowest operational costs
  - Less CPUs and storage
  - Lower prices
  - Low migration costs

**Reduce Risk**
Automate security, reliability, and migration
- With Autonomous
  - Latest security patches applied
  - Highest database security
  - Ready-to-use HA and DR
  - Minimize administrator tasks
- Latest, fully supported hardware and software
  - Preserve existing investments

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Next Steps

Discuss your cloud migration strategy

Ask for a migration assessment

Get hands-on with free trials and LiveLabs

Migrate a database to OCI

• Run the free compatibility diagnostics
• Use Oracle LiveLabs
• Use the free migration tools
• Evaluate the process and performance

Contact Oracle, your ISV, or a partner
Start today!