ORACLE

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Oracle Cloud Infrastructure for OCRE Framework

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Safe harbor statement

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ORACLE + Microsoft
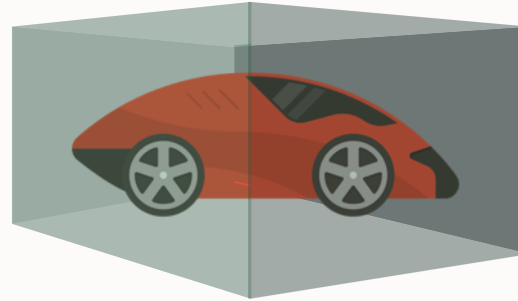
Best of Both Clouds, Stronger Together

✓ Microsoft Azure and Oracle Cloud are <u>interconnected today</u>, so you can migrate and run mission-critical enterprise workloads across clouds

✓ <u>Unified identity and access</u> management via single sign-on with automated user provisioning to easily manage resources across clouds

✓ <u>Collaborative support</u> of custom and Oracle Applications on Azure with Oracle Database on Oracle Cloud – connect best-in-class services across clouds

- **Available Now:** Ashburn, London, Frankfurt, Amsterdam, Toronto, Tokyo, San Jose
- **Coming Soon:** US West, Government, Asia, and Europe regions

Mission-critical autonomous database

Self-driving

- Scale-out database with fault-tolerance and DR
- Runs on enterprise-proven Exadata platform
- Full compatibility with existing enterprise databases

Self-securing

- Automatically applies security updates online
- Secure configuration with full database encryption
- Sensitive data hidden from Oracle or customer admins

Self-repairing

- Recovers automatically from any failure
- 99.995% uptime including maintenance
- Elastically scales compute or storage as needed

Victoria University advances domestic violence research with Oracle

- Conducts deeper, more powerful analysis of social media data for domestic violence research

- Easier collaboration by storing and sharing models and code on the cloud vs. local machines

- Cost-effective: provisions as much compute and storage as they need, without paying for extra resources

26 hours
For video data processing and sentiment analysis time vs. 15 days

30 minutes
For text classification vs. 3 hours

Minutes
For speech data processing vs. 24 hours

"Oracle's cloud and research team has not only provided us impressive support with high-performance computing resources, allowing powerful and scalable management of the computing and data processing resources, but they have also allocated experts to join our research team at different stages."

Professor Yuan Miao
Head, Information Technology Discipline, College of Engineering and Science, Victoria University

Read the story

University of Oxford researchers predict career pay using Oracle Cloud

- Dr. Matthias Qian and his team developed deep learning models for salary prediction and analyzing AI adoption across professions
- Chose Oracle Cloud for its unique features around data profiling, model development, and model explanation
- Tested and trained predictive models while keeping data private

1 million	10 minutes	On-demand
Job ads analyzed	To obtain 200GB of memory	Access to scalable, high-speed compute

"We decided to use Oracle Cloud Infrastructure Data Science Service because it allows us to leapfrog the management of GPU servers, including the installation of the CUDA drivers, and to scale our compute resources, when an urgent conference deadline comes up."

Dr. Matthias Qian
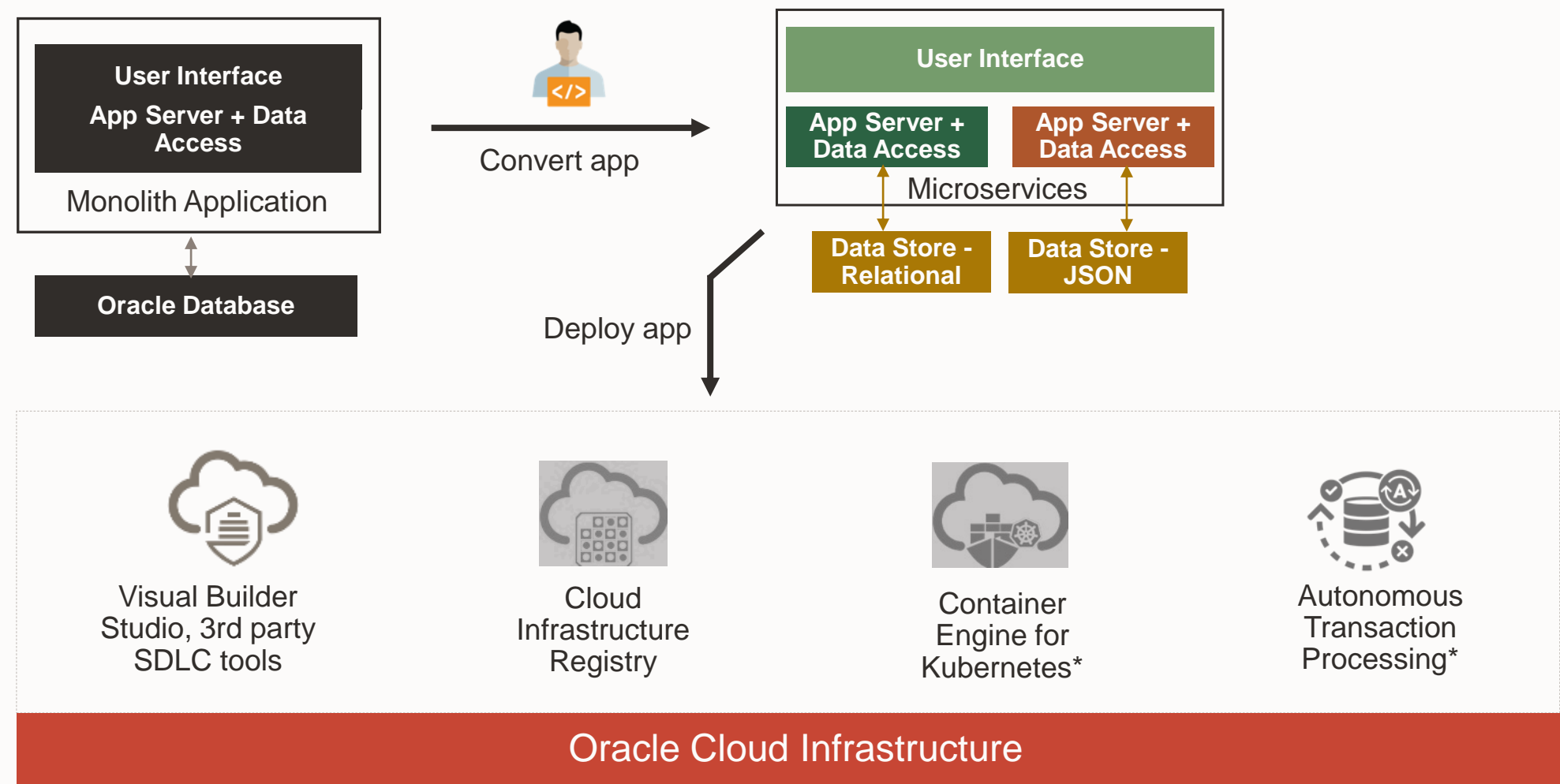Departmental Lecturer, Department of Economics, University of Oxford

Read the story

MESTEC optimizes manufacturing

- Leading SaaS provider for intelligent manufacturing planning and execution

- Uses ATP for flexibility to scale up or down highly available database in seconds

- Zero downtime for patching at half the infrastructure and labor cost

- Zero costs to onboard new customers for faster growth and speed to market

- Harnessing the power of data for up to 60% productivity improvement

M E S T E C
MANUFACTURING PERFORMANCE. REDEFINED.

Containers use case: monolithic to microservices

Monolith side:

User Interface
App Server + Data Access

Monolith Application

Oracle Database

Convert app

Microservices side:

User Interface

App Server + Data Access

App Server + Data Access

Microservices

Data Store - Relational

Data Store - JSON

Deploy app

Visual Builder Studio, 3rd party SDLC tools

Cloud Infrastructure Registry

Container Engine for Kubernetes*

Autonomous Transaction Processing*

Oracle Cloud Infrastructure

* Exadata Cloud Service and Oracle Database Cloud Service are alternatives

Cutting-edge research organization implements scalable reservation system

75,000+ total users and 20,000+ concurrent users

Benefits:

- Zero database maintenance
- End-to-end system delivered in just 75 days
- Better scalability for application and database

Our mission is to help people
see data in new ways, discover insights,
unlock endless possibilities.

Děkujeme za
pozornost