

Autonomous Transaction Processing

What is Autonomous Transaction Processing

Autonomous Transaction Processing is a fully managed database tuned and optimized for transaction processing or mixed workloads with the market-leading performance of Oracle Database.

Self-Driving

Leverages machine learning to automate database and infrastructure management, monitoring, and tuning

Self-Securing

Protects from both external attacks and malicious internal users.
Isolates operational users from application data and ensures up to date security patching via software update automation

Self-Repairing

Protects from all downtime including H/W failures, planned maintenance and online application schema updates



Welcome to Oracle's premier autonomous cloud service for transaction processing!

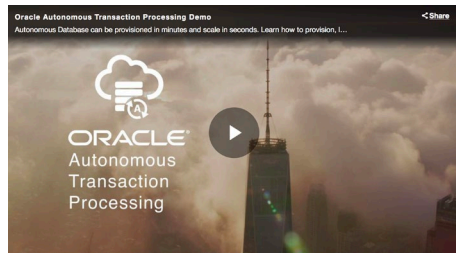
Product Tour

Everything you need to ...

Design, load and analyze your data quickly and efficiently in the cloud.

**WATCH**

Oracle Autonomous Database

**WATCH**

Autonomous Transaction Processing Demo

Why Use Autonomous Transaction Processing?

A new, comprehensive cloud experience for database

Quick to Deploy

Business users can now build their own self-driving database in seconds.

No IT Skills Required

Benefit from fully automated management, fully automated patching and upgrades.

Lower Costs with True Pay-Per-Use

Scale your database on demand. Independently scale compute or storage. Shut off idle compute to save money.

Secure Your Data

Strong data encryption, switched on by default, ensures your data is fully protected.

Protect Your Investment

Continue to use your favorite development and reporting tools.

Complete

Orchestrate infrastructure and database as code, run with limitless scalability, always online for continuous business operations.



Key Features of Autonomous Transaction Processing

An affordable, feature-rich and fully managed service in the cloud

More Innovation with Less Risk

Mission Critical SLAs – Up to 99.995% uptime SLA including planned and unplanned downtime

Workload Optimization – Database tunes itself (indexes, memory, partitions, SQL Plans, parallelism, optimizer) for workload as data changes over time

Limitless Performance – Built upon a world class dynamic Exadata Infrastructure, never again think about IOPS

Limitless Scalability – Built upon Oracle Real Application Clusters, you can scale beyond the limits of a physical server while protecting against server level failures

Always Online Operations – Built upon Oracle's Maximum Availability Architecture: online patching, high availability, scaling, schema updates, everything

Secure Data and Operations

Latest Security Updates – Online, automated update of software security fixes to limit exposure to known issues and security vulnerabilities

Hardware Isolation – Option to deploy databases on dedicated Exadata Cloud Infrastructure with complete hardware stack isolated from other tenants

Data Privacy – Built upon Oracle Data Vault, operations personnel have privilege to do all administrative tasks without any ability to see any customer data

Protection from Malicious Actors – Machine learning driven external attack detection and prevention with quarantine of malicious activity.

Protection from Human Error – Built upon Oracle Flashback, instantly rewind accidental changes to application schemas during critical updates



Complete Support for Your Database

Oracle offers a complete range of services to support your database needs, from on-premises to private cloud to public cloud



Exadata (on premise)



Exadata Cloud Machine



Exadata Cloud Service



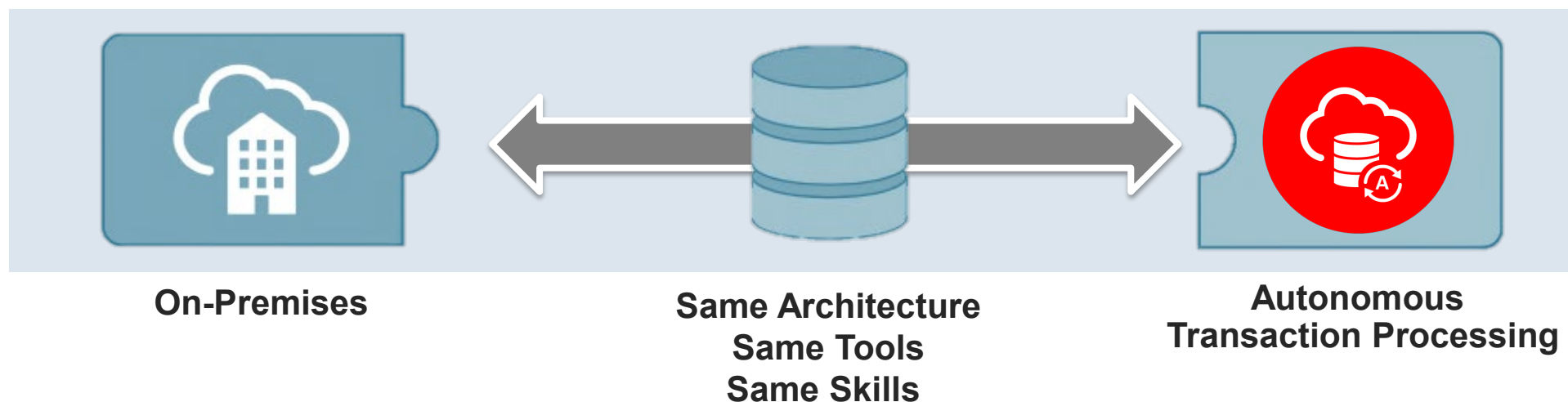
Recommended ✓

Autonomous Transaction Processing

	Exadata (on premise)	Exadata Cloud Machine	Exadata Cloud Service	Autonomous Transaction Processing
Optimized HW Configuration	Yes	Yes	Yes	Yes
Licensing Model	Purchased	Metered	Subscription	Metered
Database Automation	No	Yes	Yes	Autonomous
Location	On-Premise	On-Premise	Oracle Public Cloud	Oracle Public Cloud
Pre-optimized for transaction Processing and Mixed Workloads	No	No	Yes	Yes
Optimized performance with no manual tuning	No	No	No	Yes
Fully-managed DB	No	No	No	Yes

Same Experience

Autonomous Transaction Processing uses the same **Oracle Database** software and technology that runs your existing on-premises database applications, making it **compatible** with all your existing tools and skill sets.



Connect to Your Autonomous Transaction Processing

As a database application developer, business user, or DBA, Autonomous Transaction Processing lets you use all your existing design, data integration, analysis, and reporting tools.

Application Developers

Build **microservices** and **REST** enabled **applications with JSON and SQL Access**, supported client drivers including JDBC, .NET, Python, Node.js, PHP, **Ruby**, C/C++, and more.

Business Users

Connect rapid application development tools and other standard reporting tools through JDBC or **SQL*Net**.

Database Administrators

SQL Developer provides a full database development environment: SQL Worksheet, data loading wizards, data modeling, and more tailored to the optimized features of Autonomous Transaction Processing.



A Database Service in a League of Its Own

Autonomous Transaction Processing uses the **best, market leading** Oracle database software running on **unique, market leading** technology platform to deliver a public cloud-based database service in a **league of its own**.

38 Years of market leading database experience.

- Oracle has been developing sophisticated database automation for decades

11 Years of engineered systems innovation with Exadata.

- Oracle Engineered systems, deliver fully autonomous, automated database infrastructure

Oracle Database is **#1 rated** by leading industry analysts.

Customers moving from rival environments can expect to **cut costs in half**.

No capital expenditure
Fully metered subscription service.



Get Started, Right Now

Welcome to Oracle's premier autonomous cloud service for transaction processing and mixed workloads!

LEARN MORE

Get started today by following the link on the Autonomous Transaction Processing product page (www.oracle.com/database/autonomous-transaction-processing)

View data sheets, FAQs, pricing, and additional resources.

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Integrated Cloud

Applications & Platform Services

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