

ORACLE

Modernize your Data Strategy

Increase Efficiencies and Minimize Cost and Risk

Katlego Sejoe

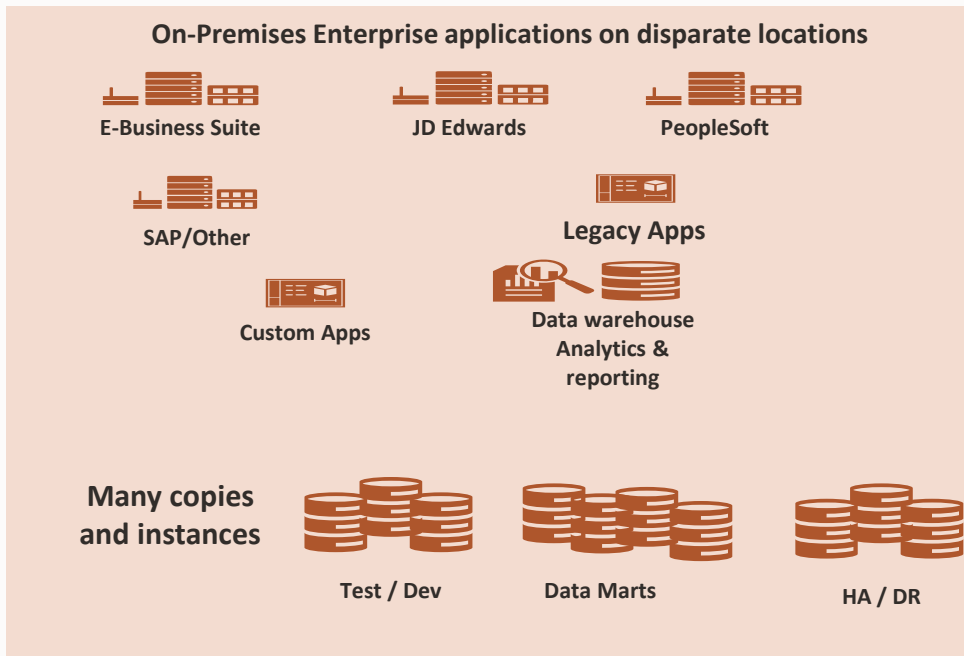
Oracle Technology Software Engineering

GovTech 2023

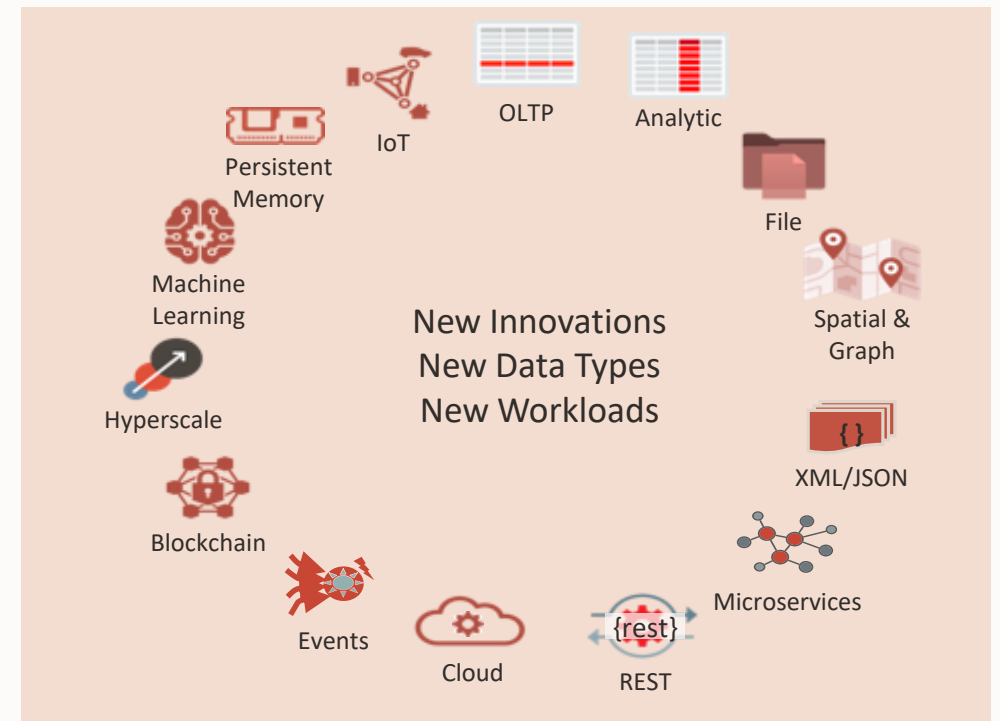


Why Consolidate : Business Drivers for Database Consolidation

Complexity of the IT infrastructure



Data Fragmentation across multiple data stores



Leads to ...High Operational costs, Data Complexity ...

Leads to...Data Integrity, Security, Availability Challenges
And High Integration and Management Costs ...

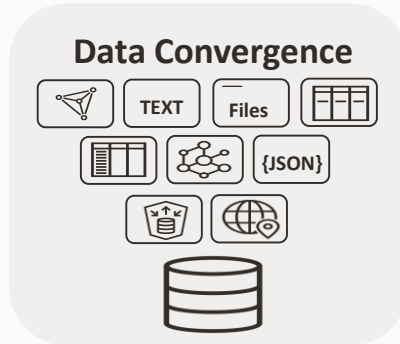


Reduce Complexity - Modernize with a Standardized data strategy

Standardize, consolidate, and streamline operations with Oracle Database



Single-Purpose



Current IT Environment with Database Sprawl

- Complex systems and integration
- Extensive management
- Data fragmentation
- Disjointed data security

Standardize Data Platform

- Easier data integration
- Improved data governance
- Consistent data security
- Lower total cost of ownership

Consolidate Databases

- Fewer databases and less infrastructure
- Increased efficiency
- Reduced complexity
- Lower cost

Automate Management

- Efficient DB consolidation and migration
- Database management tasks automation
- Less effort and risk maintaining DB fleets
- Optimized resource utilization



Consolidate Database Workloads

Maximize resource utilization and lower cost and risk with ideal database architecture



Three Pillars of Database Consolidation

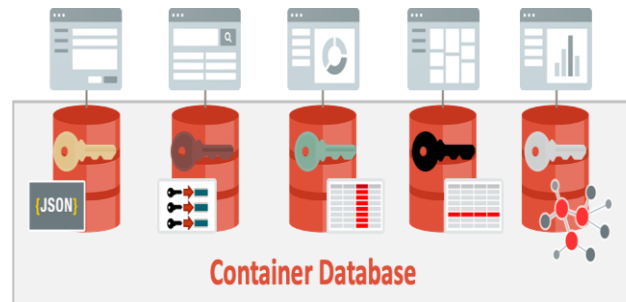
Oracle Database - The most advanced database platform

- Deliver superior **performance**, **availability** and **security**
- **Improve** IT operations. Accelerate development
- Unlock new value from **ANY data**



Effective Consolidation with Oracle Multitenant

- **Minimize CAPEX**, more applications per server
- **Minimize OPEX** by managing many as one
- **Increase agility**, provisioning, relocation, cloning



Exadata – The perfect platform for database consolidation

- **High Consolidation density**. For ALL database workloads
- **69%** more efficient IT staff. High 5-year ROI
- **Flexible deployment choices**



Oracle Multitenant Architecture Enables Consolidation and Lower Costs

Consolidated Databases Share Pooled Resources

Consolidation increases utilization

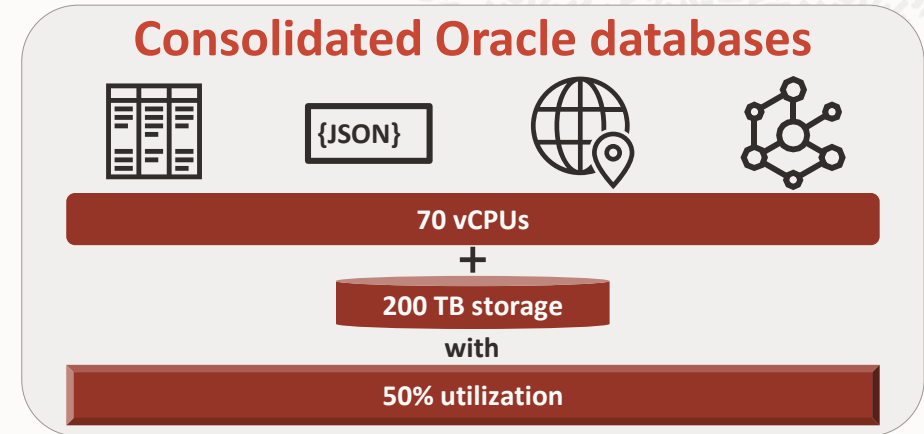
- Pooled resources shared by all databases
- No provisioning for peak stand-alone workloads
- Dramatic cost savings

Consolidation reduces management

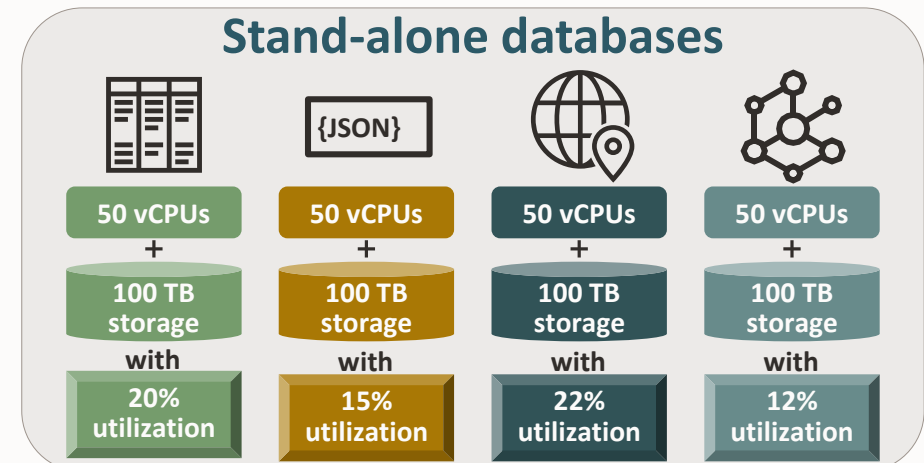
- Fewer databases and systems to manage
- Standardized operations reduces management
- Standardized security improves protection

Consolidation improves agility

- Immediately provision databases from shared resources
- No downtime to change compute shapes
- No downtime to patch Exadata resources



VS.



Multitenant Architecture Minimizes CAPEX and OPEX

50%

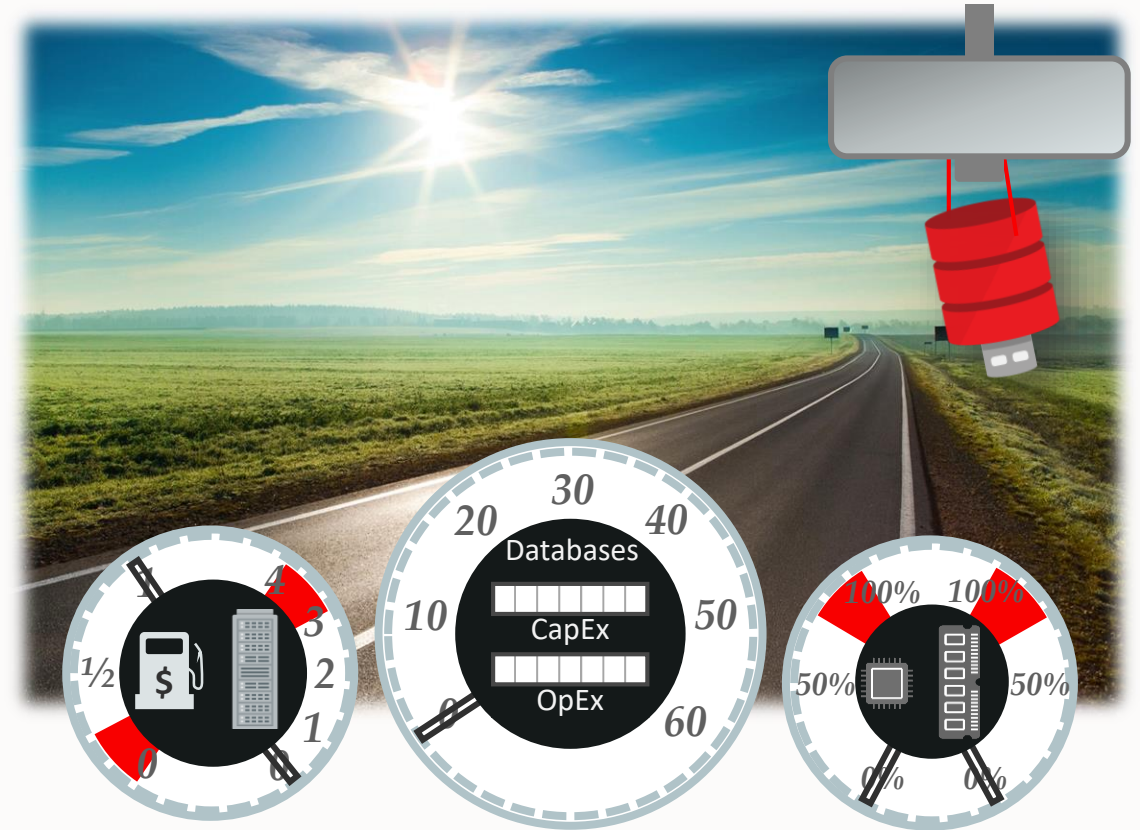
Customers can **consolidate 50% more databases** with Multitenant than without

- *Fewer Servers*
- *less power*
- *less floor space*

35%

Managing many databases at Container **reduces TCO by 35% in staff costs alone**

- *Simplified Management*
- *Rapid Provisioning*
- *Flexible Load Balancing*



Source: [Multitenant: Seven Sources of Savings](#)



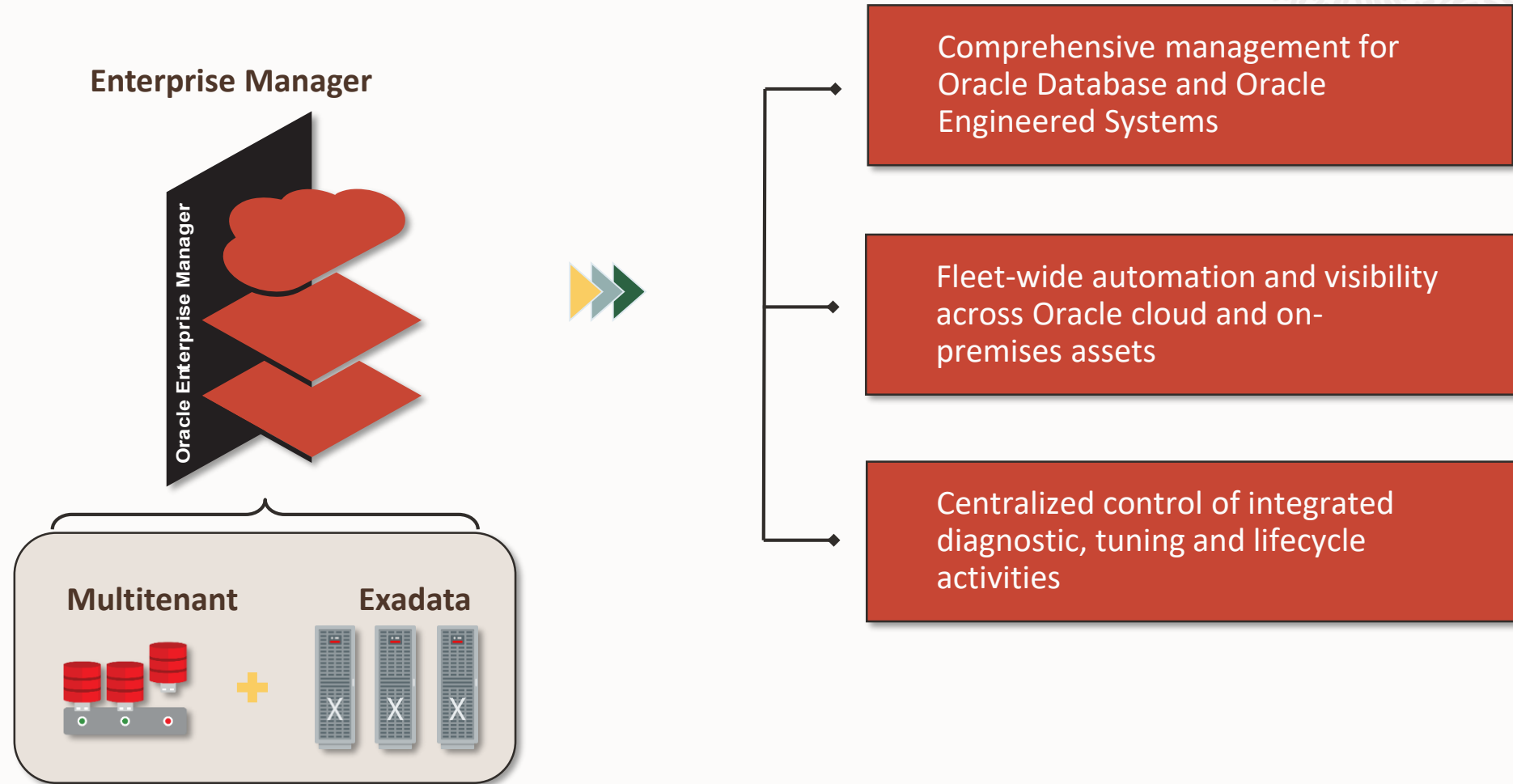
Automate Management

Automate consolidated database operations with Enterprise Manager

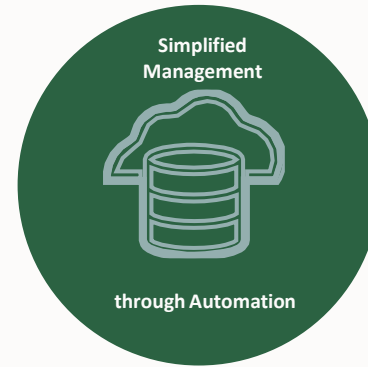


Comprehensive Solution for Managing Consolidated Database Environment

Enterprise Manager offers Integrated Deployment Architecture and Operations



Simplify Oracle Database Lifecycle Management



Provision and Clone

- Automated, repeatable, and scheduled deployment of standardized configuration of single instance, RAC and multitenant databases
- End-to-end solution to clone masked production databases for backup and new application dev-test requirements

Patch and Upgrade

- Automatically patch, and upgrade large number of databases with minimal downtime
- Scan the database fleet and provide recommendations to standardize
 - Create new software images and subscribe database to them
 - Push Image and schedule the subscribers to switch
 - Track and manage using EM UI

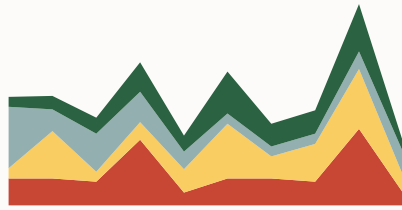
Configuration and Compliance

- Monitor standardized configuration, detect misconfigurations, and apply corrective actions to comply, reduce security risks
- Secure configuration of databases, hosts and engineered systems, comply with industry and regulatory standards, harden security posture



Simplify Database Performance Management

Single Pane of Glass for Performance and Availability



FIND

Proactively prevent database performance issues

01

FIX

Reduce mean time for detecting and repairing problems with deep root-cause analysis and application tuning

02



- 50%
- 30%
- 20%

VALIDATE

Validate database performance to ensure quality of service and to maintain SLAs

03



Comcast Launches Fleet-Wide Database Automation

- On-Demand database provisioning
- On-Demand database patching
- Standardization for compliance

Solution: Oracle Enterprise Manager;
Database Lifecycle Management pack
Cloud Management pack

Minutes

Down from 2-3
months for
provisioning

2,100

Databases
patched
automatically

Reduced

Database
maintenance
downtime

Industry: Communications & Media



Success Story

ORACLE

Maximize Your Investment with

Oracle Applications Unlimited

Since the beginning, Oracle has delivered the technical support you need to drive your business.

We See The Big Picture

The Applications Unlimited Products:

 **Oracle E-Business Suite**

 **JD Edwards EnterpriseOne**

 **PeopleSoft**

 **Siebel CRM**

 **Oracle Hyperion**

Oracle recognizes that Applications Unlimited products are central to your strategy and long-term roadmap. You've integrated these applications into your business model and we're committed to help you maximize your investment.

The current Continuous Innovation release for the Applications Unlimited products gives you the latest features and functionality without major upgrades.

How Applications Unlimited Works

With the latest Continuous Innovation release, we've eliminated major upgrades, saving you time and money that you can apply to your business priorities.

Access new features without major upgrades.

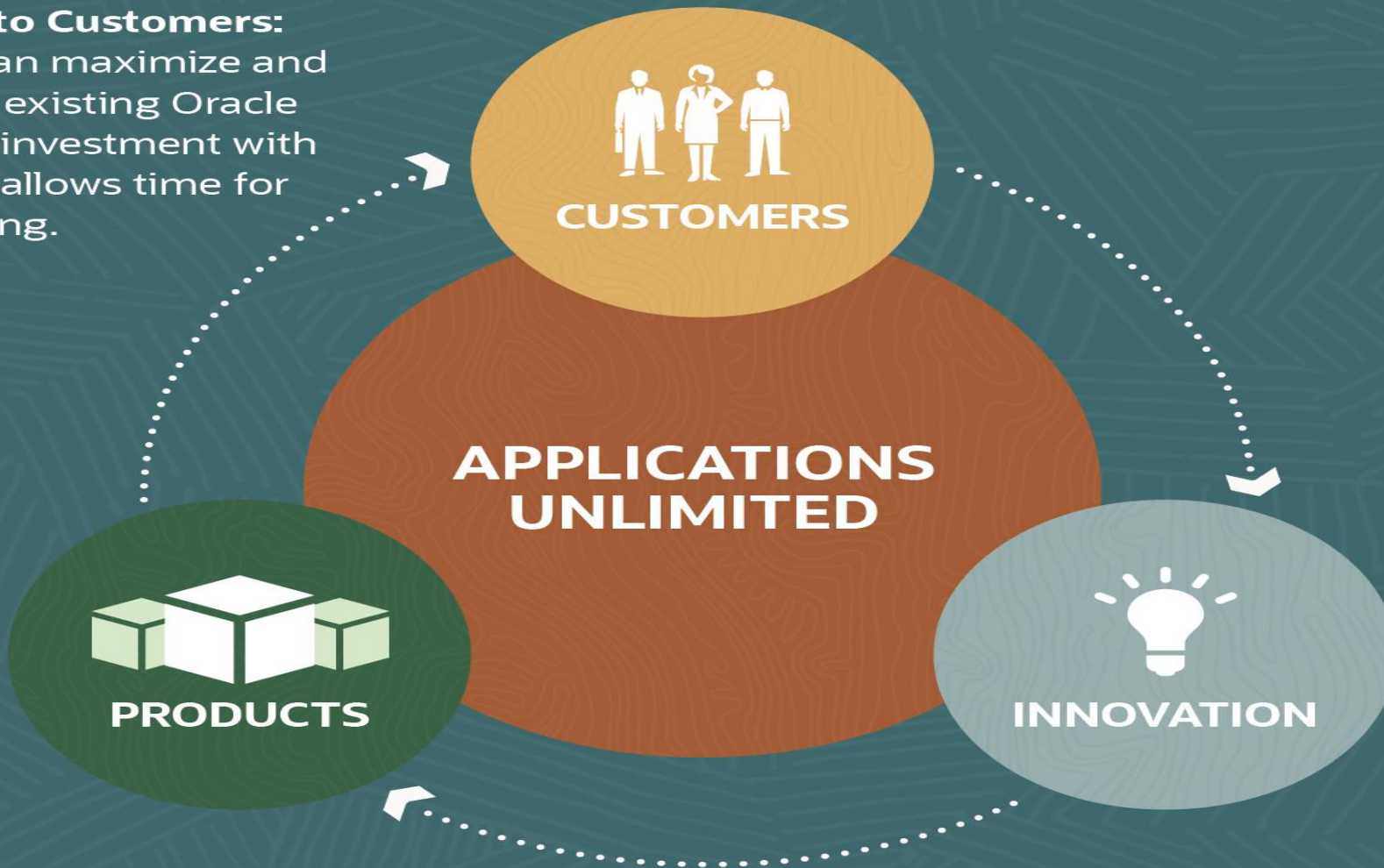
New functionality delivered as updates to the existing Continuous Innovation release.

Fixes and updates are cumulative and available in most current releases.

Our Commitment To Excellence Starts With You

Committed to Customers:

Customers can maximize and expand their existing Oracle Applications investment with support that allows time for future planning.



Committed to Products:

Customers can rely on our on-premises applications and expertise to run their business.

Committed to Innovation:

Customers can depend on Oracle to continue investing in Continuous Innovation releases.



Key Benefits Of Applications Unlimited



**On-premises or
in Oracle Cloud
Infrastructure, your
choice**



**New features without
major upgrades in
the Continuous
Innovation release**



**Ample time
to allocate
resources for
the future**



**More value
from your business
customizations**

Oracle Lifetime Support Policy

Get Oracle Premier Support for your Applications Unlimited products through at least 2034.

[Explore the Oracle Lifetime Support Policy](#)

Secure

Oracle owns the source code and has the tools and the ability to develop security updates.

Comprehensive

You can expect integrated support and product updates with a single point of accountability.

Gain the flexibility to move your Applications Unlimited products—with your business customizations—to the Oracle Cloud Infrastructure, as needed by your business.

Trusted

More than 430,000 customers rely on Oracle Support.

Oracle provides the best database consolidation platform and benefits

Lower Cost

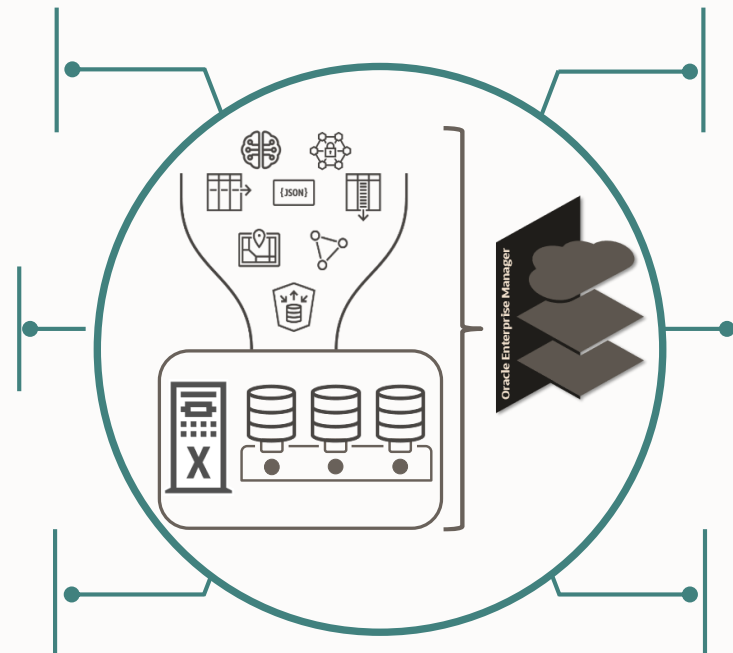
- More databases
- Greater resource utilization

Simpler deployments

- Converged database
- Reduced fragmentation
- Management automation

More security

- Full-stack security including OS, and database



Higher availability

- Full-stack redundancy
- Integrated Disaster Recovery

Greater performance

- Superior architecture and scale
- Unique software optimizations

Easier Database Management

- Database management tasks automation
- Less effort and risk maintaining DB fleets



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