

Why Run Oracle Applications on Oracle Cloud Infrastructure?

DECEMBER 2017



Introduction

Most enterprises rely on Oracle technology. Whether it's Oracle Database or Oracle applications such as Oracle E-Business Suite, JD Edwards, and PeopleSoft, Oracle lies at the heart of enterprise IT. To date many organizations have been running these applications on-premises, or off-premises in non-cloud environments.

Pressure to reduce CAPEX and keep up with changing technology encourages organizations to explore cloud solutions, but the need to maintain performance, application customization, and custom workflows are significant barriers to adopting public cloud for these critical workloads. And these workloads can't be replaced by Software as a Service.

If you are facing an upcoming contract renewal for hosting or collocation, have begun planning for a significant hardware refresh cycle, acquisition, or merger, now is the perfect time to explore Oracle Cloud Infrastructure for Oracle applications.

Oracle can help – by running your Oracle applications with high levels of performance and availability, while providing the agility and economy of scale of the public cloud with Oracle Cloud Infrastructure.

What is Oracle Cloud Infrastructure?

Oracle Cloud Infrastructure provides Infrastructure as a Service (IaaS) – and IaaS enables you to focus on your core business instead of infrastructure forecasting, acquisition, hosting, and maintenance. Our service includes compute, storage, networking, identity management, and edge services. We have everything you need to migrate and run Oracle applications quickly and easily.

Or you can go further and move many other traditional data center applications with full fidelity and no architecture changes. You can build new cloud native applications with superior price-performance, on the same flexible network. Oracle Cloud Infrastructure is designed around the core tenets of versatility, performance, governance, and predictable pricing to address enterprise requirements.

Why move Oracle applications to Oracle Cloud Infrastructure?

Oracle has decades of experience provisioning and running these Oracle products. Our hardware and software choices, staff expertise, and long-honed IT processes are all best-of-breed for managing Oracle workloads. Our cloud is designed with enterprise applications in mind. This makes Oracle Cloud Infrastructure the best place to run Oracle applications.



Costs

Infrastructure as a Service provides many opportunities to adjust or change services over time to match your needs, and thus match costs to services better. The benefits of this approach also include budgeting and license management.

Budgeting – Since the beginning, one of the key benefits of the public cloud has been the ability to reduce capital expenditures. Avoid tying up capital in large, irregularly-timed IT expenditures to upgrade infrastructure and meet the needs of growth.

Licensing – In most cases you can transfer your application license from your on-premises infrastructure to your Oracle Cloud Infrastructure environment. This helps control costs and fully leverages your existing investments.

Pay-as-you-go – Pay as you go and for what you use instead of locking yourself into a long-term hardware plan that may – or may not – meet your needs in years to come. Projecting future needs is difficult, if not impossible, and often results in over-capacity just after deployment, and under-capacity in the long run. Pay as you go can also lead to more consistent cash flow and the ability to respond quickly and flexibly to increasing costs as usage grows and evolves.

Oracle also provides a flexible buying and usage model for Oracle Cloud Services, called Universal Credits, the industry's most flexible buying and consumption model for cloud services. With Universal Credits, you have one simple contract that provides access to all current and future Oracle PaaS and IaaS services. This provides the lower costs of a longer-term commitment, but, unlike other public cloud providers, gives you the flexibility to apply your committed spend wherever you need it. Need more, fewer, or different virtual machines? Less storage, more Database as a Service? No problem.

With Universal Credits, you can change the PaaS or IaaS services you use, at any time, without having to notify Oracle, and your credits still apply.

Save on space. Save on power and cooling, or hosting and colocation. Save on IT staff.

Performance

Many enterprise applications can be easily virtualized. Some, such as Oracle Database and E-Business Suite, are business-critical, and require a level of extreme, consistent, and dependable performance that can be hard to find among public clouds. Oracle applications such as E-Business Suite and JD Edwards often require millisecond latency access to Oracle Databases. Oracle Databases can require millions of storage IOPS. What better environment to provide this performance than Oracle's own purpose-built data centers?



Oracle Cloud Infrastructure's compute instances, available in bare metal or virtual machines, provide up to 52 cores, 768 GB of memory, and up to 51 TB of local NVMe storage capable of 5.5 million read IOPS and 2 million write IOPS. You can build environments with equal or better performance predictability to your dedicated, on-premises environments. You can migrate even the highest performance Oracle Databases and applications in the public cloud with Oracle Cloud Infrastructure.

Availability

For many years, Oracle customers looking for the best-performing, most available, and most secure architecture for running Oracle Database have turned to Oracle Real Application Clusters (Oracle RAC) or Oracle Exadata to ensure their Databases – and the Oracle applications that rely upon them – are always available. Oracle Cloud Infrastructure is the only public cloud Infrastructure as a Service that provides RAC and Exadata in the very same data center environment as your other workloads running in the cloud, minimizing latency, and maximizing simplicity and performance.

Security

In the past, some companies were concerned about security in the cloud. However, the past few years of security breaches at countless companies have taught the industry that resource-constrained IT departments with insufficient security expertise are more likely to have trouble keeping software up to date and data secure than specialized cloud vendors, who maintain consistent, secure environments at scale.

Agility

Your business needs to rapidly respond to business opportunities and improve the speed with which it delivers IT solutions. This agility is one of the core attributes of modern cloud computing. Oracle Cloud Infrastructure can help by simplifying the lifecycle management of your Oracle applications, and enabling you to rapidly spin up new instances for short-term projects or new initiatives.

Expertise

While many Oracle customers have developed significant expertise running Oracle applications, for many IT is still a cost center, and not their core business. Optimizing staff, hardware choices, and processes to keep key applications up and running with high availability, backup, and disaster recovery solutions is a significant undertaking. This work is the business of Oracle Cloud Infrastructure, and you can leverage our expertise, as well as automated deployment and migration tools.

Oracle Advanced Customer Services (ACS)

For more than 20 years, Oracle Advanced Customer Services has provided personalized and proactive mission critical support to thousands of customers across industries and geographies,

helping minimize risk and cost, and rapidly gain business advantages through technology, with highly integrated and tailored services.

In one case, ACS helped Essilor, the world's largest lens manufacturer, move their E-Business Suite QA environment to Oracle Cloud Infrastructure, and manage it there. The team jointly planned the cloud networking and connectivity between Oracle's data centers and Essilor's locations, built out the compute instances, and provisioned the complete solution.

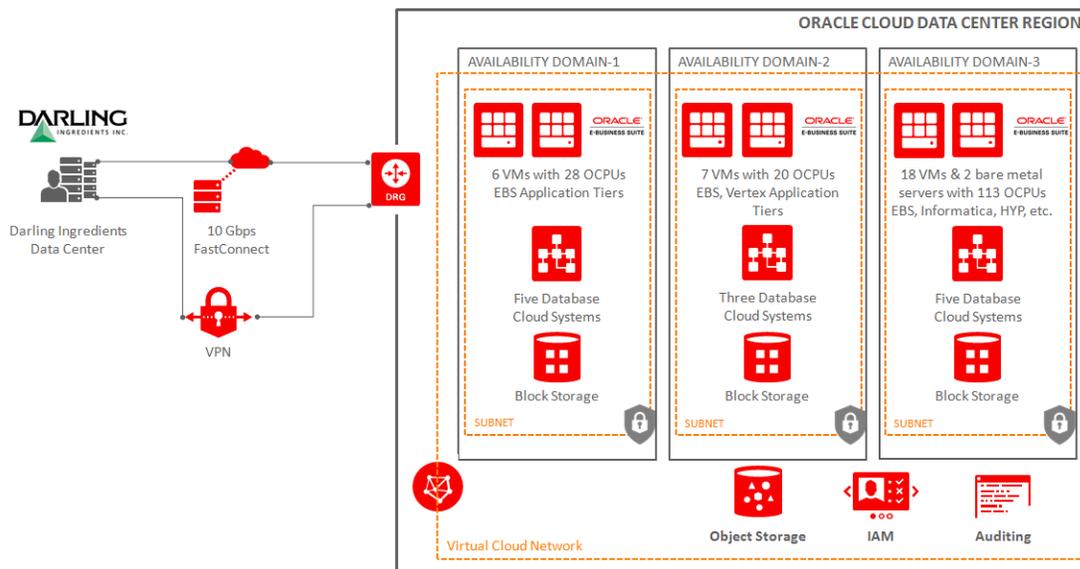
Oracle's industry-leading expertise can support you through each step of the process, and at any point in your application life cycle.

Customer successes

Darling Ingredients

Darling Ingredients, a US-based food manufacturer, faced a contract renewal for an aging colocation environment running a suite of key Oracle applications including E-Business Suite, Hyperion, and Oracle Database. They wanted to reduce hardware costs, while still meeting their performance and availability requirements.

They migrated their applications to Oracle Cloud Infrastructure, including the Oracle Database, with Data Guard and Real Application Clusters (RAC) for availability. They doubled their performance on some workloads, consolidated the number of database systems, and stopped the colocation deployment, reducing costs. As Cooper Wilson, Director of Technology at Darling Ingredients, put it, "Long story, short – Oracle is the only place that did Oracle correctly."



Marz Systems

Marz Systems' customers find that most public clouds do not perform well enough, or consistently enough, to support mission-critical enterprise applications. Marz, a Gold Level Partner in the Oracle PartnerNetwork, overcame these limitations with Oracle Cloud Infrastructure, successfully migrating a Fortune 500 Biotech firm's E-Business Suite deployment.

Twelve bare metal servers were deployed for the solution, with a total of 432 cores. A pair of systems supported the Oracle E-Business Suite deployment, while several additional servers were used for Oracle Governance, Risk and Compliance and SOA Suite.

Marz helped transform capital expenses into operating expenses while consolidating infrastructure and controlling costs. The customer also avoided expanding on-premises datacenter and associated staff.

Conclusion

Migrating your existing Oracle applications such as Oracle E-Business Suite, JD Edwards, and PeopleSoft to Oracle Cloud Infrastructure helps you:

- Manage solutions and applications – not infrastructure.
- Leverage the public cloud without changing processes and tooling, or retraining staff
- Focus on your core business, not on IT

WHY RUN ORACLE APPLICATIONS ON ORACLE CLOUD INFRASTRUCTURE

Consideration	Benefit
Cost	Move to predictable OPEX instead of large, irregular CAPEX expenditures, pay as you go based on usage, and bring your own Oracle licenses to Oracle Cloud Infrastructure to leverage your existing investments
Performance	The highest performing IaaS offering among public clouds provides the best foundation for mission-critical enterprise applications
Availability	Only Oracle provides RAC and Exadata in the public cloud
Security	Take advantage of Oracle Cloud Infrastructure's security expertise
Agility	Speed resource deployment and respond faster to business opportunities
Expertise	Leverage Oracle's expertise with Oracle Database and applications
Oracle ACS	Oracle can help you design, deploy, and even manage your environment
Customer successes	Customers have already made the move successfully

Visit https://cloud.oracle.com/en_US/iaas/oracle-applications for more information.



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Integrated Cloud Applications & Platform Services

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