

Should you migrate Oracle E-Business Suite to the Oracle Cloud?

IT leaders are skeptical about a public Cloud provider's ability to meet enterprise requirements. Their skepticism is warranted... Most public Clouds lack the capabilities necessary to host high-end, mission-critical applications.

[Arisant](#) is leveraging Oracle's Cloud Infrastructure (OCI) to deliver an enterprise-grade public Cloud architected specifically to run enterprise applications like E-Business Suite (EBS). OCI delivers the performance, versatility, and governance required by enterprise IT while offering a level of performance often exceeding what is commonly found in on-premises, high-performance computing environments.

Migrating EBS to OCI is not a decision anyone can or should make overnight. So, Arisant has put together The 10 Reasons Why You Should Consider Migrating EBS to OCI, to help you make a strategic enterprise decision and investment.



Part 1 - Cost Savings

"Know before you go."

Customers are demanding to know the costs to migrate and host their EBS environments in the cloud. This led Arisant to create an elaborate total cost of ownership assessment tool to demonstrate potential savings and help you decide if an EBS migration is right for you.



Then by using OCI, Arisant is able to deliver predictable, low pricing as deployments grow from proof of concept to steady-state production environments at enterprise scale. In fact, most of our customers who have made the move to OCI have reported cost savings between 20% and 50%. Here's how you'll save:

1) Reduce your reliance on data center infrastructure.

Hardware is expensive to buy, configure, and maintain. OCI offers predictable savings through simple, competitive and flexible pricing that you pay for month to month as an operating expense instead of as a capital expense up front. OCI offers automated patching and constant security enhancements, freeing your infrastructure resources from the costly task of maintaining your data center.

2) Pay for only what you consume.

As your business grows in the long run, or seasonally, you can easily add or remove compute power with OCI. Increasing compute power and capacity can be done in a matter of minutes versus costly and time consuming alternatives like upgrading CPU, memory and storage as you would with hardware on premises. The ability to customize your compute power when you want keeps operating costs low as you're not paying for anything extra and don't have to scale up until necessary.

3) Predictable Pricing

Enterprise users and tech vendors alike require cost predictability to plan their budgets and run their business. Running workloads on other vendors' Clouds can make it extremely difficult to forecast cost over time accurately, but not with OCI. Oracle's simple rate structures eliminate cost surprises associated with hard to estimate usage elements like data egress and storage performance. Further, Oracle charges the same rates for all regions, so going global with OCI doesn't increase the cost of service.

Part 2 - Security

"Oracle Cloud Infrastructure keeps data secure 24x7x365."

OCI uses a security approach based on [seven core pillars](#) to ensure a high level of isolation, data protection, control and visibility you need for your cloud infrastructure. Because of this, Arisant is able to deliver a fault-tolerant, resilient and verifiably secure Cloud that enables integration with your existing security assets, keeping your E-Business Suite data as secure as Fort Knox!



Core to Edge Security

Security is one of Arisant's core principles. By leveraging OCI's advanced security features, Arisant is able to isolate compute and network resources, preventing an attacker from moving laterally inside the Cloud to steal or manipulate any of your valuable E-Business Suite data. OCI offers core-to-edge security including superior customer isolation, customer data protection, protection against internet threats, and highly automated threat remediation.

Integrated Governance and Control

Users access OCI resources via Oracle Identity and Access Management technology, which supports role-based access controls and granular allocation and auditing capabilities. Cloud administrators can set access policies and grant permissions to cloud resources, setting up specific compartments on a per-project, per-person, or per-group basis. All usage is rolled up under a single account structure, simplifying billing and administration while meeting a broad set of international and industry-specific [compliance standards](#) for service deployments in Oracle Cloud such as ISO 27001, SOC1, SOC2, PCI DSS, HIPAA/HITECH, and FedRAMP.

The Seven Pillars of Security

1. **Customer Isolation** - Deploy your application and data assets, isolated from other tenants and Oracle.
2. **Data Encryption** - Leverage controls to protect your data so that you can meet security and compliance requirements.
3. **Security Controls** - Manage access to your services and segregate operational responsibilities to help reduce risk associated with malicious and accidental user actions.
4. **Visibility** - Audit and monitor actions on your resources through comprehensive log data and security monitoring solutions to help reduce security and operational risk.
5. **Hybrid Cloud** - Use your existing security assets, such as user accounts, policies and third-party security solutions, when accessing cloud resources and securing data and application assets.
6. **High Availability** - Take advantage of consistent uptime through fault-tolerant data centers that are resilient against network attacks.
7. **Verifiably Secure Infrastructure** - Run business critical workloads on a verifiably secure infrastructure that follows rigorous processes and security controls in all phases of development and operation.

Part 3 - Performance

"Better performance than a 1st generation Cloud."



Add description OCI outperforms 1st generation competitors and many on-premises solutions. Arisant leverages OCI key performance features which deliberately address gaps found with 1st generation cloud providers or traditional on-premises implementations. OCI offers consistent, predictable performance, along with the fastest cloud storage and service at a lower cost than on-premises solutions and other cloud vendors, allowing you to truly maximize your E-Business Suite investments.

1) Predictable Performance

OCI's compute offerings come with promises one would expect out of expensive, dedicated, and highly tuned on-premises servers and storage, including performance, availability, versatility, and governance. The performance of OCI supports peak and consistent performance for mission-critical applications like EBS and is backed by an [end-to-end cloud infrastructure SLA](#), which is the only one like it in the industry.

2) High Performance Workloads

Customers seeking the highest levels of performance for challenging workloads—such as processing jobs that require a tightly coupled infrastructure—can provision bare metal servers in conjunction with semi-persistent, nonvolatile memory express (NVMe) drives that have 51.2TB of capacity and are capable of 5 million I/O operations per second. This means that OCI can run your most demanding EBS jobs, easily outperforming on-premises implementations.

3) The Best Performance for the Price

The cost of Oracle compute servers vs. AWS ranges from 25% to 65% lower whether comparing Virtual Machine (VM) or Bare Metal offerings to competitive similar server shapes (in terms of memory and CPU cores). Our customers report similar cost savings when moving away from on-premises to OCI. This not only allows access to more resources at the same spending level, but bare metal also enables the performance benefits of a dedicated server. Need to see it to believe it? [Click here to run a benchmark](#).

In fact, OCI bare metal instances is shown in [independent testing by StorageReview](#) to have a 2x to 5x performance advantage with comparable or dramatically lower pricing, compared to similar configurations from Amazon Web Services (AWS) across a wide range of workloads.

Part 4 - Oracle Runs Best on Oracle

OCI has a number of unique features and tools that are geared to migrate and/or run Oracle's databases and business applications portfolio with unmatched scalability and reliability. Minimal changes are required to move Oracle Applications, reducing the cost and length of migration to



the cloud. Only Oracle Cloud offers access to proven technologies such as MAA, RAC, Autonomous DB and Exadata enabling customers to take advantage of the latest hardware and technologies, improving database and application performance.

1) Lower Cost and Lower Risk

Do you need to deploy new environments or have obsolete equipment running EBS in your data center? If so, an Oracle Cloud deployment provides an opportunity to lower your costs and risk by taking on an operating budget rather than acquiring new servers and storage as a capital expense. Taking advantage of Oracle's ability to economically scale up costs far less than maintaining your own data center.

2) Enable Business Agility

Another advantage of running Oracle E-Business Suite in Oracle Cloud is that you can stay current with the yearly innovations in the application and more readily uptake new capabilities to support your business, without waiting for the acquisition of new infrastructure for development and test environments.

As an Oracle EBS customer, you can enhance business agility in several ways:

- Discover and test new features and new products by quickly provisioning the latest Oracle E-Business Suite release from Oracle Cloud Marketplace.
- Test the new features and new products on a cloned copy of your Oracle E-Business Suite installation.
- Streamline upgrades by testing on a cloned production environment in the cloud.
- Leverage the cloud for Oracle E-Business Suite upgrades and updates.
- Decrease the time required to add capabilities by developing and testing customizations against a copy of your own data.

3) Proven Results

Arisant 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. Plus Oracle's cloud is designed with enterprise applications in mind. This makes Oracle Cloud Infrastructure the best place to run Oracle applications.

Part 5 - Managed Services

"The Arisant Managed Services team is truly proactive compared to the competition."



Add descriptionEBS managed services can help free up your team from redundant monitoring so they can spend more time innovating.

Looking for a partner to help take care of your EBS environment now and moving forward? The Arisant Managed Services team of OCI-certified experts helps you maximize your Oracle EBS investment by providing IT organizations with a cost-efficient, yet high-quality alternative to hiring and managing expensive full time staff resources. Our team migrates, monitors and manages mission-critical cloud technologies and applications ensuring optimal performance, security and availability around the clock.

Technical and Functional Support at Your Fingertips!

Maintaining your EBS footprint is not an easy task. There are hundreds of weekly activities and tasks that need to be accomplished in order to support and sustain a healthy, stable and performing EBS cloud environment.

Arisant offers comprehensive management for your EBS cloud environments. With both functional and technical expertise, Arisant support staff can meet your SLAs and perform all maintenance tasks required to guarantee core functionality is available to your end users. Oracle certified experts will monitor your EBS cloud environments 24x7 and proactively address all issues before they become major problems.

With Arisant managed services you get:

- U.S. based team of Oracle-certified experts
- Improved system performance and availability with on-going database and SQL performance tuning
- Cloning, patching, upgrades, installations and other maintenance activities
- Support with technical and functional configuration tasks
- Optional development services, such as PL/SQL, forms and reports

Are you curious about how to improve your infrastructure uptime and exceed your business SLAs? Arisant Managed Services is all about price transparency. To get an estimate of your monthly cost to have us monitor and manage your EBS environment 24x7, then check out our [managed services pricing calculator](#).

Part 6 - IT Efficiency

"You can stop wasting time maintaining legacy hardware."



OCI has everything you need to migrate and run Oracle applications quickly and easily, as well as to move traditional data center applications to the Cloud with little to no architecture changes. After you migrate to the Cloud, you no longer have to worry about costly data center maintenance which allows your team to focus on innovation rather than upkeep.

1) Move enterprise apps to the cloud quickly.

Arisant has field-tested tools and programs to help customers move enterprise applications such as Oracle E-Business Suite to Oracle Cloud Infrastructure. A suite of migration, provisioning, and management tools for these applications and their associated databases means minimal architecture changes, helping you get online rapidly. Oracle's purpose-built migration tools simplify the transition and can even capture application customizations.

2) Stop wasting time on routine IT tasks.

With OCI, IT developers can drastically reduce the time it takes to build and test new IT environments and because core functions like backups, failovers, patching and security are automated in the Cloud, staff have more time to work on higher-value tasks. Rather than manage hardware, staff can use cloud and data analytics to help maximize your business' efficiency.

3) Plan for the future.

Oracle is innovating its Cloud Infrastructure at a rapid pace and offers an open, standards-based and integrated application development platform for enterprises to cost-effectively build, deploy and manage modern, API-first, mobile-first cloud applications. Additionally, there is support for container native, cloud native, and low code development allowing your business to continue growing with the Cloud.

Part 7 - Scalability

"You're able to prepare for growth when E-Business Suite is in the Cloud."

If your current on-premises system is reaching the end of its useful life, causing headaches for IT staff, or running at full capacity one month out of the year followed by 11 months running at 50%, then it may be time for your enterprise to consider a new solution for running apps like E-Business Suite. The best solution may be a Cloud migration to Oracle Cloud Infrastructure.

Scaling Made Easy

As your enterprise grows and experiences seasonal data processing shifts, you can easily add or remove compute power with the Oracle Cloud (OCI). With OCI, increasing compute power



and capacity can be done in a matter of minutes versus costly and time consuming alternatives like upgrading your on-premises hardware. The ability to customize your compute power when you want keeps operating costs low, as you're not paying for anything extra and don't have to scale up until necessary. Alternatively, you can scale down at any time to adjust for seasonal lows. As the nature of your business changes, you can make changes to your Cloud configuration to continually meet your customers' needs.

Performance When You Need it Most

When you migrate E-Business Suite to OCI, you and your team will no longer need to worry about downtime or the speed at which you can access what you're looking for. In fact, the OCI's cornerstones are speed and agility.

OCI leverages "massive economies of scale and unique deployment options to extend your infrastructure and business processes globally." The solution offers high capacity servers and super-fast network and storage at your disposal to give your systems the computing power necessary to handle your operations in ways dedicated servers may not be able to provide. Oracle combines business intelligence with SaaS, PaaS, and IaaS to configure a cost-effective and secure system that will meet your computing and data needs as your business grows.

Part 8 - Modernization

Oracle's IaaS offering delivers a range of capabilities not matched by any competitors. These include a Generation 2 Platform, a suite of Bare Metal offerings, Autonomous Database Services, RDMA Clustered networking for HPC, Ravello Cloud service and a fast networking architecture offering customers both predictable performance and isolation as opposed to virtualized, oversubscribed platforms offered by competitors.

1) Oracle Private Cloud at Customer

If you can't move your data and applications to the public cloud because of data privacy concerns, industry regulations, or unique security requirements, you can still take advantage of the public cloud's scalability, affordability, and ease of use by using Oracle Cloud technology in your own data center, behind your firewall. This solution—[Oracle Private Cloud at Customer](#)—is ideal when data must remain on-premises for regulatory, privacy, or legal reasons.

Oracle can deploy and maintain an instance of Oracle Private Cloud at Customer. Rather than purchasing hardware and software, Oracle Private Cloud at Customer enables applications and databases to run in customers' data centers, with infrastructure delivered and managed by Oracle. Pricing for all cloud services on Oracle Private Cloud at Customer is subscription based with one fee covering hardware, software and all management and support services.

2) Virtual Cloud Network

First-generation public cloud offerings were not architected to accommodate traditional application architectures. Enterprise workloads and performance intensive workloads don't run well in these hypervisor-based environments, where multiple tenants virtually share the same physical infrastructure and contend for limited resources.

Oracle Cloud Infrastructure, on the other hand, moves the virtualization layer into the physical network—a concept referred to as off-box virtualization. Customers enjoy their own network, called a virtual cloud network, isolated from every other customer's network. These virtual cloud networks can include single-tenant, high performance, bare metal servers that contain no provider software, enabling organizations to customize their computing and environments and run applications in the same manner as they do on premises.

3) Universal Credits and BYOL

Oracle's two new programs make it simpler and easier for organizations to buy and consume cloud services, helping them get more value from their existing Oracle software investments. These programs are Oracle Universal Credit Pricing (Oracle UC) and Oracle Bring Your Own License (Oracle BYOL) to PaaS. These [two programs](#) together help organizations in their transition to the cloud.

Part 9 - Methodology and Architecture

Running EBS on OCI is no different than running EBS on premises in your data center today. Simply put, all of your same applications and related customizations run on a combination of Oracle's Infrastructure as a Service (IaaS) and Platform as a Service (PaaS).

When you subscribe to Oracle's Infrastructure as a Service (IaaS), you have access to all the compute, storage, and network services associated with it. If you find that PaaS is required for your deployment, you can also subscribe to Oracle DB System or Oracle Exadata DB System and take advantage of the specific features and capabilities of these offerings. There are several methods of deploying Oracle E-Business Suite on OCI.

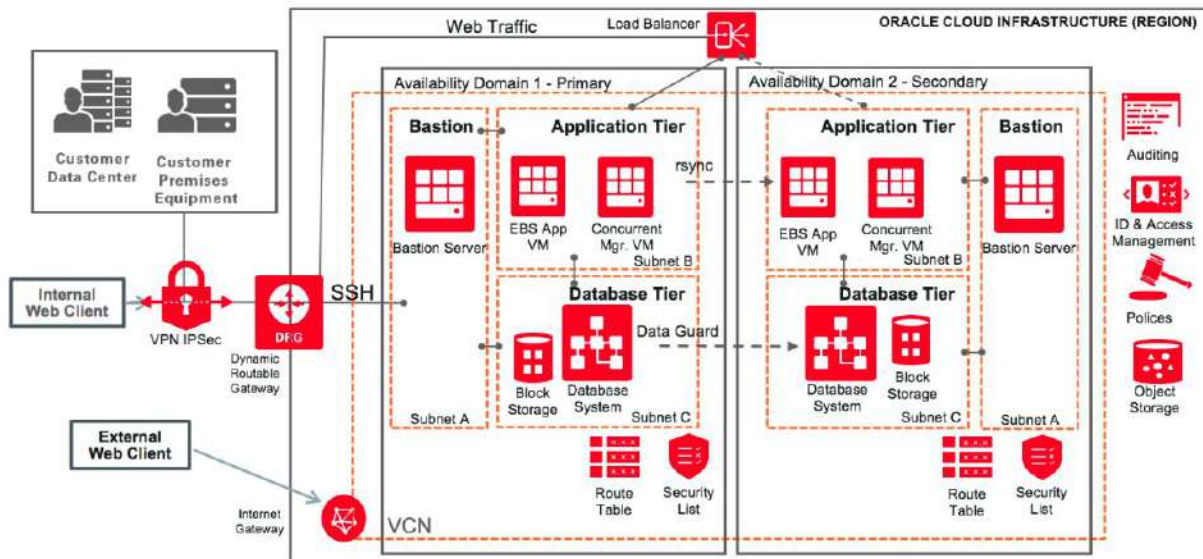
Deploy the application and the database tiers to Compute VMs. With this deployment, the application and database tiers are deployed on distinct sets of Compute VMs. You may optionally deploy multiple application tiers on distinct compute VMs that are load balanced using Load Balancer as a Service (LBaaS).

Deploy the application tier to Compute VMs and the database tier to PaaS. Just like in the previous scenario, the application tier is deployed on a Compute VM, or you can deploy multiple

application tiers on distinct Compute VMs that are load balanced using LBaaS. The database may be deployed to a Database Cloud Service (DBCS) Single Instance VM, to a DB System Single Instance on Bare Metal, or to an Exadata DB System. When you choose Exadata DB Systems, RAC is deployed by default. Oracle offers automated provisioning capabilities that can be used to deploy a Demo (Vision) Oracle E-Business Suite instance.

Oracle E-Business Suite has a flexible three-tier logical architecture that provides many deployment options including the use of multiple nodes for high availability. You may also optionally configure your environment for disaster recovery. Selecting your deployment architecture is based on a number of factors including but not limited to: performance, user concurrency, and operational requirements. Business requirements, such as availability and disaster recovery have to be taken into consideration. Each has a consideration into the design and application of the cloud architecture.

Multiple Node Deployment with High Availability



Add descriptionOCI's simple architecture makes multiple node deployment with high availability easy.

With so many architectural choices, making a decision can be overwhelming. Arisant's deep understanding of OCI services and EBS deployment choices can help you make the right decision as you begin your journey to the cloud.



Part 10 - Getting Started

We've covered a lot to help you plan your migration of E-Business Suite to the Cloud. You might be finished reading, but your journey to the Cloud has just begun. We hope you have a deeper understanding of the power of Oracle Cloud Infrastructure. The next step is to discuss what the journey looks like from here and the support options you have to make your migration as successful as possible.

At Arisant, we rely on People, Process and Technology to ensure your Cloud journey is an absolute success. With several successful Cloud migration projects completed, Arisant is the ideal partner to help you migrate your on-premises applications to the Oracle Cloud.

People

Arisant employs some of the industry's most experienced Oracle Cloud Architects and implementation consultants. Since the Oracle Cloud continuously evolves to include new services and features, we constantly invest heavily in training to ensure our people are up-to-date with the latest Oracle Cloud IaaS and PaaS offerings. Coupled with advanced hands-on experience through numerous complex Cloud migrations, this makes our consultants second to none.

Process

Migrating to the Cloud requires a lot of discipline. Since there are many options to deploy your workloads to the Oracle Cloud and each approach has associated pros and cons when it comes to implementation cost, security and maintenance considerations, Arisant has developed a process (Arisant Solution Implementation Methodology – ASIM) that captures, organizes and analyzes your key business requirements, current architectural design and future-state objectives. Based on this information, we produce deployment options and recommendations that are aligned with your vision, target goals as well as tactical and strategic objectives. ASIM provides a detailed roadmap, including ROI and TCO models, and a step-by-step methodology to ensure seamless transition to the Cloud without business interruption.

Technology

Oracle offers support and various tools that can be leveraged in Cloud migration projects. Based on Arisant's experience, we have developed additional, proprietary processes and tools that offer a high degree of automation and can more predictably and effortlessly complete certain Cloud migration tasks.

Our [Cloud-Ready team](#) is here to support you every step of the way and to help ensure that your enterprise meets all of its SLAs. To get started on your OCI migration today, [contact us](#) today or send me a message on LinkedIn.