



An Essential Guide to Migrating Oracle EBS On–Premise to Oracle Cloud Infrastructure (OCI)





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Today in the Cloud

Get higher efficiency, agility, security, and scalability at a fraction of on-premises IT costs! These are the public cloud's sweet promises to businesses.

The allure of the cloud is real. In fact, it is the new normal in this new age. Public cloud earned its validation as a powerful yet lean IT enabler during the pandemic period by facilitating digital transformation, minimizing costs, and saving businesses from shutting down.

The cloud technology today is so pervasive, **Cisco foresees 94% of global workloads being handled by cloud data centers at the end of 2021.**

EBS Suite – Unlock real value

Businesses are looking to migrate their on-premises ERP applications to the cloud for increased efficiencies in cost, effort, and time. The Oracle E-Business Suite helps global organizations run their processes and operations optimally. Its functional advances, mobility, UI modernization, and operational efficiency empowers organizations to maximize productivity and excellence.

In this post-pandemic era, businesses focus on minimizing costs and maximizing efficiencies and ROI. One great way to achieve this goal is by migrating the Oracle E-business suite from the on-premises environment to the cloud.

Not just any cloud, but to Oracle Cloud Infrastructure (OCI). The OCI migration helps unlock real value by reducing time and cost for new projects, increasing business agility, and improving the global IT workforce's productivity.

Before getting into deliberations on Oracle E-Business Suite migration to the Oracle Cloud, let's understand the world of public clouds.

Gartner also anticipates an **18.4%** growth in global spending on public cloud services, from **\$257.5 billion** in 2020 to **\$304.9 billion** in 2021.



Fallible Public Clouds

Not all public clouds are created equal. Not every cloud infrastructure stands up to the hype promised by the IaaS (Infrastructure as a Service) vendor.

Most of them are not robust enough to host sophisticated, critical applications, as assured during the signup. They struggle to support demanding, complicated computing systems and lack the consistency, latency, and performance standards that enterprise-grade applications require.



How is Oracle Cloud Infrastructure (OCI) better than other clouds?

Oracle Cloud Infrastructure is a powerful enterprise-grade cloud that stands apart from its counterparts. It delivers the high performance, versatility, and governance required to manage and run complex enterprise applications and computing environments.

OCI comes with tools and utilities compatible with the latest cloud-native and mobile applications, built on any unified platform and network. When you move your existing on-premise Oracle E-Business Suite to the Oracle Cloud Infrastructure, you can reap more benefits from these tools.

Analytics

OCI gives you seamless access to analytic features that will help you gain significant business intelligence to make insight fueled decisions in no time. Its built-in artificial intelligence and augmented analytics enable data analysis and access, anywhere, anytime. In short, OCI analytics empowers IT leaders to make smarter predictions that can enhance business agility and ROI.

Application development

Solving real-time problems via modern and intelligent applications is a breeze when you work in the Oracle cloud environment. The agile DevOps culture accelerates application delivery and innovation 20 times faster with 100 times less code.

Applied software technologies

OCI makes it easy for the E-Business Suite to enable business transformation by leveraging technology and innovation. It facilitates hassle-free collaboration with advanced applied technologies such as IoT, machine learning, artificial intelligence, and blockchain to gain a competitive edge.

Compute

Oracle's secure, flexible cloud computing capacity is available on demand for OCI users. It ranges from virtual machines and bare-metal servers to HPC, GPU, container orchestration, and management. The OCI compute service provides the footing and scalability for enterprise workloads ranging between conventional back office and modern cloud-native applications.

Database

Oracle Autonomous Database is a self-healing platform that supports multiple modes and data structures. It helps automate tedious database tasks and saves time and effort while assuring higher performance, reliability, security, and operational efficiency.

Security and compliance

By all means, Oracle cloud is way more secure than any on-premise or cloud infrastructure. Its automated security and identity management service leaves no room for human negligence and complexities that can create security loopholes. The stringent governance processes in OCI ensures that your workloads are entirely protected, and the highest compliance standards are met at all times.





Storage

OCI provides reliable, cost-efficient cloud storage options that comprise on-demand local, object, file, block, and archive storage services.

57% less expensive than its market counterparts, OCI provides the fastest, secure, and cost-efficient data transfer.

The inbound data transfer is completely free, and 10 TB of outbound data transfer is at no cost. This data transfer price is much competitive than AWS that offers only 1 GB of free outgoing data and Azure just 5 GB.

Apart from the functionalities mentioned above, OCI also excels in facilitating secure and simple 3rd party integrations. Its observability and management service saves time and effort by monitoring and managing the E-Business Suite with minimal human intervention. The OCI offers greater virtual networks, more subnets, and higher limits for route tables than other public clouds. Its network pricing is the lowest in the market.

Value proposition

Every cloud infrastructure is different. The Oracle Cloud, in particular, is a unique cloud environment where you can migrate your Oracle E-Business Suite without any significant deviations and hassles. You don't need major amendments in configuration, integration, or business process. But you can be assured of increased flexibility and reliability, better performance, and lower cost than any other cloud infrastructure.

Listed below are key value propositions you can benefit from when you migrate your Oracle E-Business Suite to OCI.



38% lower total cost of ownership (TCO) than on-premise deployments



44% less TCO than Amazon Web Services (AWS)



30% increased performance, 2-10 times faster reporting



Capital expenditure (CAPEX) reduction by ensuring the datacenters are efficiently maintained



No server or hardware cost



Recovery Time Objective (RTO) and Recovery Point Objective (RPO) is less than 4 hours



Maximized solution availability using Oracle Real Application Clusters (RAC) or Oracle Database Exadata Cloud Service





Rapid “in-place” technology for refresh and patching



Proactive usage and cost monitoring



Easy scale up and down according to workload bursts



Federated identity with existing systems



Reduced audit length and cost



Complete responsibility for the security and compliance overhead of IaaS

We deliver on all the promises using simple, innovative processes that support Oracle Cloud Infrastructure platform services and reference architectures. We emphasize real-time production requirements such as security, network configuration, high availability (HA), disaster recovery (DR), identity integration, and cost management.

OCI Benefits – Why migrate your Oracle E–Business Suite from an on–premise environment to Oracle Cloud?

Running the Oracle E-Business Suite on an on-premise environment will cost you more and impair efficiency, speed, and growth. It also makes you more vulnerable to cybersecurity attacks, identity theft, and data breaches that will cost you, your customers, reputation, and money.

Transitioning your Oracle Business Suite from on-premise to OCI will bring about a whole new transformation to your business.

- Enormous, irregular Capital Expenditures (CapEx) will be optimized to **predictable Operating Expenditure (OPEX)**.
- You won't need to pay for services you don't use. **Oracle Cloud's pay-as-you-go pricing model** charges you only for usage.
- There will be no need to procure a new user license. You can **bring your own Oracle licenses, existing monitoring systems, operational runbooks, skills, and workflow** to the Oracle Cloud Infrastructure.
- Oracle tools enable **easy migration and integration** without forcing you to rearchitect your existing applications
- You can enjoy **focused cloud support** for all Oracle applications





TCO

Even though the OCI benefits flow over the brim, IT and Finance departments need financial quantification to substantiate the migration. The Total Cost of Ownership (TCO) is a crucial metric that organizations use to quantify their cloud adoption success. It helps measure and understand the ROI of the Oracle Cloud Infrastructure.

The TCO usually factors in the purchase of servers, security devices, installation, network, software licenses, and other associated costs. Since OCI doesn't require hardware, installation, or additional license, its TCO is 38% lesser than on-premises applications.

Now when you compare with other public clouds, Oracle Cloud Infrastructure turns out to be **44%** cheaper.

This percentage has been derived from testing with 2,500 concurrent users in six different environments, including two production scenarios, one development, testing, staging, and quality assurance cases.

- Here are the OCI environment configurations.
- 80 vCPUs per environment
- 5 TB database storage
- 50 TB Object Storage
- 1 Gbps Oracle Cloud Infrastructure FastConnect
- Backups
- 4 TB data egress
- A single node database





Implementation

If you want greater business agility, better ROI, and savings, you need to upgrade and migrate your existing on-premise Oracle E-Business Suite to Oracle Cloud. Fortune 500 companies, manufacturing, retail, educational institutions, and even NGOs have benefited from Oracle Cloud Infrastructure's powerful compute, storage, and network resources support applications. They have achieved high process efficiencies, millisecond latencies, and several gigabytes (per second) of assured bandwidth.

At Aspire, we facilitate quick and easy OCI migration, implementation, and support. As an Oracle Partner, we are highly efficient, experienced, cost-effective facilitators of OCI implementations.

We leverage Oracle's automated provisioning to deploy E-Business Suite on Oracle cloud within a few minutes.

Through our customized cloud migration services, consulting, and IaaS support, we ensure you benefit from integrated security, cost reduction, scalability, and flexibility. We migrate without damaging the integrity of existing knowledgebases, customizations, licenses, and integrations.

Whatever version of the E-Business Suite you possess, you need not worry about the lifecycle management. Let us meticulously manage your backup, provisioning, cloning, and migration while you focus on your core business.

How Aspire beefed up business continuity for a top US-based real estate provider

Client:

Top New York-based property developer

Major challenge:

To keep business up and running, despite unexpected disruptions

What they needed:

- DR site on the cloud for e-business suite's database and application primary site (on-premises)
- Passive standby database synchronized from the primary database
- Strategic business continuity

Our solution:

Future-proofed Disaster Recovery solution on the Oracle Cloud





How we implemented:

- Setup Oracle Cloud Infrastructure basics, like groups, policies, VCN, subnets and various routing gateways
- Deploy OCI compute VM (Linux) attach block volumes, create disk partition, and mount disk partition
- Complete RMAN backup of primary database plus archive log
- Install OS pre-requisite RPM and system settings
- Clone and configure Oracle Home and Oracle EBS application from primary server
- Duplicate standby database from the primary server backup
- Mount physical standby database and start managed recovery process
- Test failover/switchover of DR server and monitor standby database synchronization
- At every stage we maintained environment security by setting up correct security policies

Business benefits:

- Oracle data guard-powered disaster recovery
- Regularized database backups
- Fail-proof business continuity solution



Leverage the 2-in-1 benefit of OCI

Oracle Cloud Infrastructure offers more than just cloud advantages to your business. The self-service, on-demand availability, and scalability of OCI synergizes with the predictability, performance, and control of on-premise E-Business Suite to create a profound impact on your business process and profitability.

Want to know more? Get in touch with us.

Together, we can build leaner business processes to develop innovative products, automate tasks, and minimize costs.



OCI combines the benefits of the public cloud as well as the on-premise environments.

About the Authors



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Chenthil leads go-to-market strategy, implementation, and support for (ERP, CRM, and HCM) at Aspire Systems. He joined Aspire in 2008 and is a Thought Leader in ERP and CX transformation. Prior to his current role, he held various ERP, CRM consulting, application development, application maintenance, and managerial positions. With industry experience spanning +25 years, Chenthil is successfully handling multiple ERP, CRM implementations across Australia, Middle East, Africa and North America.



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Arshad is a Senior Manager for Presales & Solutions at Aspire Systems. He is an expert-level professional with a long track record of delivering transformative and strategic technology programs, especially in the space of Cloud-based ERP and CRM software. He is also experienced in solutioning 200+ Cloud ERP programs, especially on Oracle Fusion Applications.



About Aspire Systems

- Global technology services firm with core DNA of Software Engineering
- Specific areas of expertise around Software Engineering, Digital Services, Testing and Infrastructure & Application Support
- Vertical focus among Independent Software Vendors, Retail, Distribution & Consumer Products and BFSI
- 3000+ employees; 150+ active customers
- Oracle Global Platinum Partnership with OCI & R12.2.9, Domain Expertise
- Well Rounded Team covering Cloud Architects, Solution Experts & Application Consultants
- CMMI Maturity Level 3, ISO 9001:2015 and ISO 27001 : 2013 certified
- International headquarters in Singapore with presence across US, Mexico, UK, The Netherlands, Poland, Middle East and India
- Recognized 11 consecutive times as "Best Place to Work for" by GPW Institute



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