

# Complementary Cloud Migration Assessment

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## Supported Platforms:

**ORACLE**  
Cloud Infrastruct



Google Cloud



Conducting a cloud assessment offers numerous benefits for organizations considering a move to the cloud.

It's important to note that while a complimentary cloud migration assessment offers valuable insights, it typically provides a high-level overview and may not delve into the same level of detail as a comprehensive paid assessment. The intention is to help organizations understand the potential benefits and challenges of a cloud migration and to determine whether a more detailed assessment is warranted.

### **Cost Optimization:**

Assessments help organizations understand the potential costs associated with cloud migration and cloud services. This enables better cost management and optimization of resources.

### **Risk Mitigation:**

Assessments identify potential risks and challenges in migrating to the cloud. This includes security risks, data transfer issues, and potential downtime. Understanding these risks allows organizations to develop mitigation strategies.

### **Tailored Strategy:**

A cloud assessment provides the basis for developing a tailored cloud strategy. It ensures that the chosen cloud deployment models and service providers align with the organization's specific needs and objectives.

### **Security and Compliance:**

Assessments highlight security and compliance requirements, ensuring that the migration process adheres to industry standards and regulations.

### **Resource Right-Sizing:**

Assessments may reveal opportunities to right-size resources and optimize the allocation of cloud resources, avoiding overprovisioning.

### **Better Decision-Making:**

By providing a clear picture of the existing IT environment and the potential impact of cloud migration, assessments empower organizations to make well-informed decisions.

### **Roadmap for Implementation:**

Assessments provide a roadmap for the entire migration process, helping organizations plan and execute each phase effectively.

### **Competitive Advantage:**

Having a well-planned cloud strategy can set organizations apart from competitors who may not have undertaken such assessments, enhancing their competitive advantage.

The below high-level checklist outlines the tasks performed as part of our complimentary cloud migration assessment.

Product	Component	Env	OS	Hours	Instance Type	vCPU	Memory (Gi)	Storage-Regular (GE)	NFS Storage (GB)
E-Business Suite	Application Tier1	PROD	RHEL 8	730		8	64	200 (SSD)	200
	Application Tier2 - HA	PROD	RHEL 8	730		8	64	100	
	Database Tier	PROD	RHEL 8	730		8	64	600	
	Database Tier - Standby	PROD	RHEL 8	730		8	64	600 (SSD)	
	DMZ Tier	PROD	RHEL 8	730		4	32	100	200
	DMZ Tier - HA	PROD	RHEL 8	730		4	32	100	
	Application Tier	TEST	RHEL 8	350		6	32	200	
	Database Tier	TEST	RHEL 8	350		6	32	600	
	DMZ Tier	TEST	RHEL 8	350		2	16	100	
	Application Tier	DEV1	RHEL 8	350		4	32	200	
Database Tier	DEV1	RHEL 8	350		6	32	600		
Application Tier	DEV2	RHEL 8	350		4	32	200		
Database Tier	DEV2	RHEL 8	350		6	32	600		

## Current IT Infrastructure Analysis

### What We do:

Assessment often begins with an analysis of the organization's existing IT infrastructure, including on-premises servers, databases, networking, and storage.

### Our Deliverable:

We collect the assets data by using our propriety custom script that can be run on all on-premises servers to collect the assets information. A detailed asset inventory will be provided.



Strategy	Benefit
License with Oracle Named User Plus for all non-prod environments	Reduces Oracle licensing costs by 50%.
Negotiate specific test and/or backup licensing models with Oracle	Can lead to more cost-effective licensing.
Review the necessity of Enterprise Edition versions	Companies can often downgrade to standard edition versions for DB or Middleware products, reducing costs.

## License Compliance & Impact

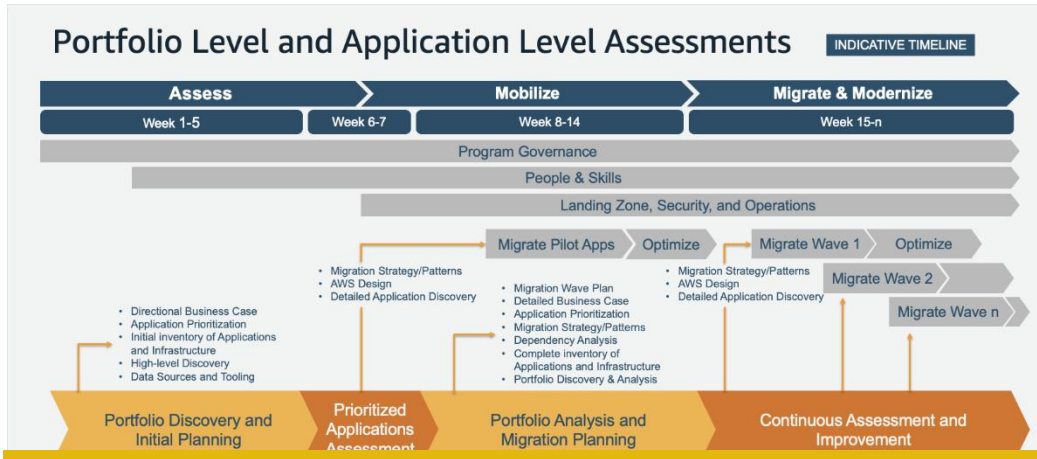
### What We do:

- Study the current licensing model to create a future state model based on existing licenses for Operating Systems, Databases and Applications
- The licensing can be optimized further in cloud based on current resource consumption.

### Our Deliverable:

A detailed license assessment report showing current state & future state and license optimization recommendations.





## Application Portfolio Review

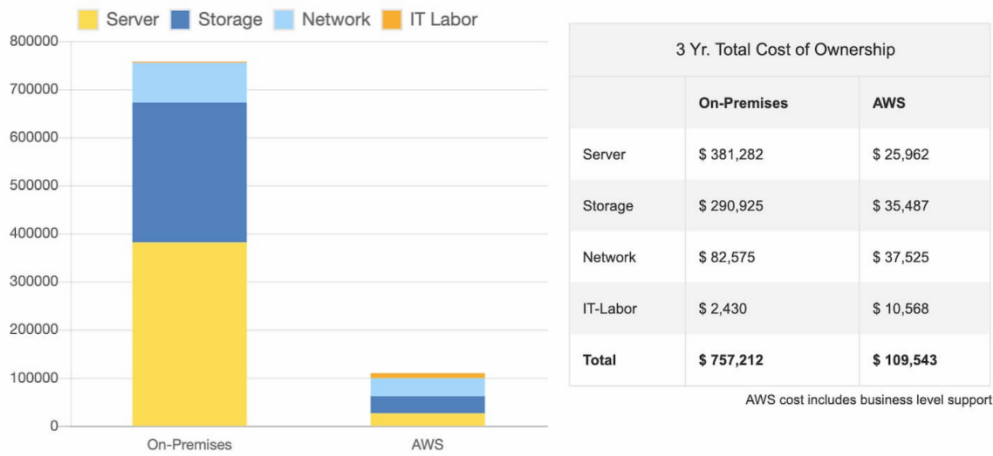
### What We do:

An evaluation of the applications currently in use is conducted to determine which ones are suitable for migration, which may require modification, and which should remain on premises.

### Our Deliverable:

A spreadsheet showing migration path for each resource including certification matrix and long-term support dates for each product.





## Cost Estimation (TCO)

### What We do:

A preliminary cost estimation for cloud migration and ongoing cloud services is provided. This helps organizations understand potential costs.

### Our Deliverable:

A 3-year or 5-year TCO Report including cost of all cloud assets, ancillary services, inter-connectivity.



	A	B	C	D	E	F	G	H	I	J	K
1	Instance	Unit Cost/Hour	Count	Total/Hour			EBS Storage (GB)	Volume Type	Cost/Hour	Cost/Month	
2											
3	m5.xlarge	\$0.0901	4	\$0.36			2000	magnetic	\$0.1370	\$100.00	
4	t3.micro	\$0.0048	2	\$0.01			2000	gp2	\$0.2740	\$200.00	
5	t3.small	\$0.0096	8	\$0.08			2000	io1	\$0.3425	\$250.00	
6	i3.large	\$0.0803	4	\$0.32			2000	st1	\$0.1233	\$90.00	
7	t3a.medium	\$0.0174	2	\$0.03			2000	sc1	\$0.0685	\$50.00	
8	i3en.24xlarge	\$5.0344	6	\$30.21							
9							EBS Snapshots (GB)	Cost/Hour	Cost/Month		
10							25000	\$1.7123	\$1,250.00		
11	Instance	Region	Unit Cost/Hour	Count	Total/Hour	Total/Month					
12											
13	m5.2xlarge	us-east-1	\$0.1801	4	\$0.7206	\$526.02					
14	m5.2xlarge	us-east-2	\$0.1801	4	\$0.7206	\$526.02					
15	m5.2xlarge	eu-west-1	\$0.2262	4	\$0.9047	\$660.40					
16	m5.2xlarge	eu-central-1	\$0.2578	4	\$1.0312	\$752.79					
17	m5.2xlarge	ca-central-1	\$0.1996	4	\$0.7985	\$582.89					
18	m5.2xlarge	ap-northeast-1	\$0.2662	4	\$1.0647	\$777.25					
19											
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## Resource Optimization

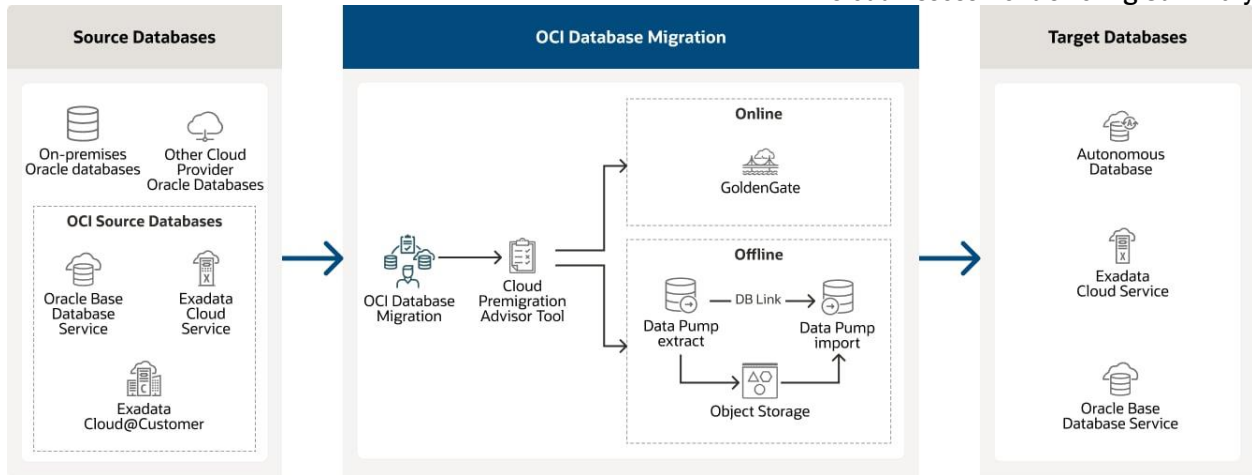
### What We do:

Opportunities for resource optimization, including the right-sizing of cloud resources to avoid overprovisioning, are explored.

### Our Deliverable:

Based on on-premises resource utilization we do manual assessment to right-size cloud resources. A detailed resource inventory will be provided.





## Future State Arch Diagram

### What We do:

Based on the choice of the vendor platform and assessed on-premises stack, we design a future state architecture showing all Cloud service components and migration flow and method.

### Our Deliverable:

A logical view of the future state architecture diagram.



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## High-level Cloud Strategy

### What We do:

A high-level cloud strategy or roadmap may be provided to outline the steps needed to migrate to the cloud and achieve specific goals.

### Our Deliverable:

A high-level migration strategy and recommendations.





		Oracle	AWS	Azure	GCP
COMPUTE	Virtual Machine Standard (Hourly, 2 core, 16GB RAM)	\$0.074	+132%	+159%	+104%
	Bare Metal Standard (\$/OCPU/Hour)	\$0.0638	+82%	N/A	N/A
	Bare Metal Dense IO (\$/OCPU/Hour)	\$0.1275	+64%	N/A	N/A
	Kubernetes Cluster (Montly, 50 cores, 750GB RAM)	\$2,297	+56%	+47%	+31%
STORAGE	Block Storage High IO (Montly, 400 GB, 25k IOPS)	\$23.80	70X	54X	77X
NETWORK	Public Bandwidth Transferred Out (50 TB/Month)	\$340	12X	12X	12X
	Private Line Network (Monthly, 1Gbps, 100TB data)	\$155	14X	36X	14X

## Vendor Comparison

### What We do:

A brief comparison of cloud service providers may be included to help organizations understand the different options available.

### Our Deliverable:

A Detailed Cost Comparison Report of all the preferred cloud vendors



# Our Consulting Services

Email: [info@ocithreads.com](mailto:info@ocithreads.com)

## Our Expertise:

### Platforms Supported:

- OCI
- AWS
- Azure
- GCP
- VMware

### Our Expertise:

- Oracle E-Business Suite
- Oracle Fusion Applications
- Oracle Fusion Middleware
- All Databases
- Identity & Governance
- DevOPS
- Kubernetes & Docker
- Business Intelligence
- Oracle Integration Cloud

## Why Choose OCI-Threads



Choosing the right cloud consulting partner is a pivotal decision for your organization's digital transformation journey. We believe that our firm stands out as the ideal choice for several compelling reasons:

### Expertise and Cloud Mastery:

- Our team comprises certified cloud experts who have mastered the complexities of cloud platforms. We bring in-depth knowledge and extensive experience in cloud technologies and solutions and have expert SMEs with years of hands-on experience on Oracle workloads.

### Industry Specialization:

- We have a track record of successfully serving a variety of industries, making us well-versed in the unique challenges and opportunities specific to your sector.

### Customized Cloud Strategies:

- We do not offer one-size-fits-all solutions. Our consulting approach is tailored to your organization's needs and objectives, ensuring that your cloud strategy aligns perfectly with your goals.

### Proven Success Stories:

- Our portfolio is rich with case studies that demonstrate our ability to deliver results. We have helped organizations of all sizes realize their cloud-related goals.

### Innovative Problem Solving:

- We pride ourselves on innovative problem-solving. Our consultants think creatively, finding unconventional solutions to tackle your challenges and capitalize on opportunities.

### Client-Centric Approach:

- Your satisfaction is our utmost priority. We are committed to your success, and we work collaboratively with you, maintaining open lines of communication throughout our engagement.