OBJECT COMPUTING
TECHNOLOGY THAT EMPOWERS

THE CLOUD DILEMMA:

Migrate or Modernize First?

Please type your questions into the chat at any time. We will answer them near the end.

This webinar is being recorded.

We will send an email with the presentation after the webinar.

PRESENTERS

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Principal DevOps Engineer

AGENDA

- Who is Object Computing?
- Cloud Computing Landscape
- Migration or Modernization Methodology
- Q & A

OBJECT COMPUTING

TECHNOLOGY THAT EMPOWERS

We are a technology consulting firm that partners with our clients to ideate, design, and build sustainable investments for their businesses. We specialize in software engineering, AI, machine learning, DLT/blockchain, and application development.

HOW WE SERVE

Clients partner with us to

- Design and build sustainable systems and solutions
- Integrate systems to enhance connectivity, reduce redundancies, and drive insights using data
- Upskill or augment teams to accelerate the execution of business goals

OUR EXPERIENCE

For 30 years, we've excelled at solving large-scale business problems in nearly every area of software engineering.

1993 Washington University
1995 Iridium
2000 Express Scripts
2002 BAE Systems
2004 Bloomberg
2007 Aerospace
2008 DARPA
2009 Scottrade
2011 ESPN
2016 Monsanto
2017 Block.one
2017 NASA
2019 KC Southern Railway
2020 Pet Care
2022 Tolam Earth
2023 Google Earth Engine

CLOUD COMPUTING LANDSCAPE: DYNAMIC GROWTH AHEAD

Gartner predicts that by 2027, **more than 70% of enterprises will use industry cloud platforms to accelerate their business initiatives,** up from less than 15% in 2023.

Global spending on **cloud services will grow 20.4% in 2024 to $678.8B.**

“Cloud models no longer drive business outcomes, but rather, business outcomes shape cloud models.”

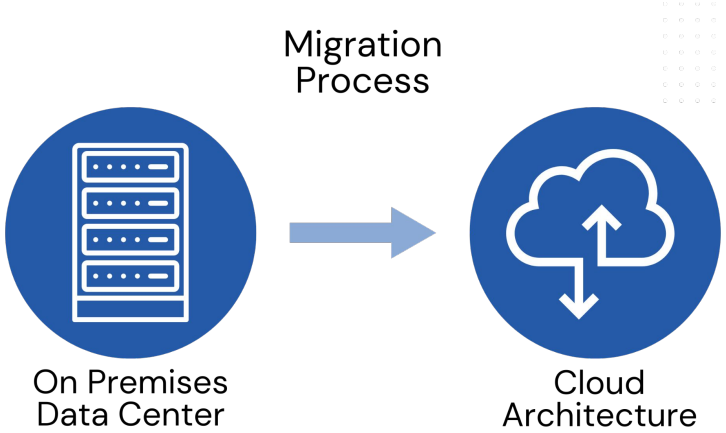
Sid Nag, Vice President Analyst at Gartner

WHAT IS MIGRATION?

Cloud Migration (Lift And Shift)

Cloud Migration is the process of moving a company's digital assets like data, database, security, applications and IT resources from on-premises or co-located infrastructures to a cloud computing environment.

This could also mean that data and applications are moving from one cloud provider to another.



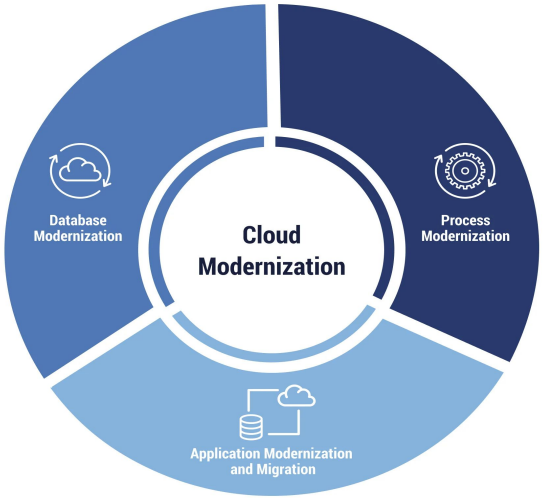
WHAT IS MODERNIZATION?

Cloud Modernization (Refactor or Rebuild)

This is the process of refactoring an organization's architecture, infrastructure, applications, and data management to a cloud-first approach.

Typical types of cloud modernization

- Legacy Application replacement, rearchitecting, or refactoring
- Refactoring and optimizing a cloud based application
- Overhauling an on-prem application to utilize cloud resources and then migrate to a specific cloud provider



HOW TO IDENTIFY IF AN ORGANIZATION SHOULD MIGRATE OR MODERNIZE

Our processes evaluates many areas but today we will take a hard look at these 5 key areas

BUDGET

MULTI-CLOUD

PERFORMANCE KPIS

SECURITY

LEGACY APPS

BUDGET

WHY MIGRATE

- Initial Cost: Low
- Ongoing Cost: Higher

BEST FOR:

Organizations with light budgets and the need for quick cloud benefits

WHY MODERNIZE

- Initial Cost: Higher
- Ongoing Cost: Lower

BEST FOR:

Organizations willing to invest upfront for long-term cost savings

BEST PRACTICES

- Implement detailed cost monitoring and forecasting tools
  - Use cloud provider tools/services
- Right size your resources review actual usage
- Regularly audit and clean up unused or idle resources
  - Use automation tools to identify and decommission unused resources

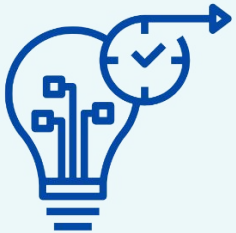
SECURITY

WHY MIGRATE

- Current security posture
- Potential for less risk

BEST FOR:

Organizations with robust existing security practices and minimal cloud- specific security concerns



WHY MODERNIZE

- Enhanced security
- Easier to meet compliance standards

BEST FOR:

Organizations that prioritize security and need to meet stringent compliance requirements

BEST PRACTICES

- Adopt Zero Trust Model
  - Prioritizes security in all phases of migration and modernization
- Conduct regular security checks, scanning
- Migrate data and application in phases and test thoroughly

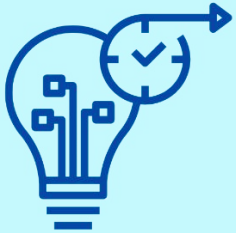
PERFORMANCE KPIS

WHY MIGRATE

- Faster
- Easier to maintain business operations
- Focus on immediate cost reduction
- Use original architecture

BEST FOR:

Short-term goals and maintains current performance levels



WHY MODERNIZE

- Response times, throughput, and scalability improvements
- Long-term cost savings
- Innovation
- User experience

BEST FOR:

Long-term strategic goals and driving business innovation

BEST PRACTICES

- Establish performance baselines
- Implement continuous monitoring to track performance metrics in real-time using cloud native tools
- Automated testing and deployment

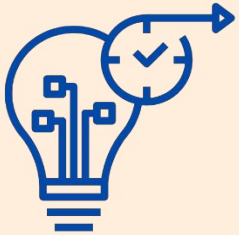
MULTI-CLOUD

WHY MIGRATE

- Quick transition
- Lower initial costs
- Simplifies the initial move with cloud flexibility

BEST FOR:

- Organizations needing a quick multi-cloud deployment
- Apps that can function adequately without major optimizations



WHY MODERNIZE

- Optimized performance and scalability
- Long-term cost performance could be lower
- Improved security
- Cloud flexibility

BEST FOR:

- Orgs with a long-term strategic focus on maximizing cloud benefits and larger budgets
- Apps that require high performance, scalability, and advanced cloud features

BEST PRACTICES

- Data migration strategy
- Strong security measures and validate cloud security
- Monitor application performance
- Testing
- Embrace DevOps practices like CI/CD
- Automation
- Cloud provider multi-cloud services
- Training

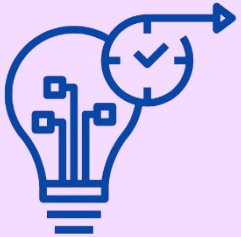
LEGACY APPS

WHY MIGRATE

- Quick transition
- Lower initial costs
- Maintains existing user experience
- Reduced risk

BEST FOR:

- Orgs needing a quick and cost-effective move to the cloud
- Apps that function adequately without significant changes
- Need to maintain current functionality is crucial



WHY MODERNIZE

- Optimized for performance and scalability
- Long-term cost could be lower
- Leverages advanced cloud-native security features
- Enables future Innovation

BEST FOR:

- Orgs with a long-term strategic focus on maximizing cloud benefits and larger budgets
- Apps that require high performance, scalability, and advanced cloud features

BEST PRACTICES

- Incremental modernization/migration
- Focus on key features
- Data access
- Utilize cloud provider data migration services
- Disaster recovery
- Test
- Training

Please type questions into the Chat.

We will answer them now.

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