

# Enabling Azure Cost Implementation

- Cost management governance
- Cost-relevant insights and recommendations
- Azure Advisor best practice recommendations
- Cost controls and guardrails

- Azure offers and licensing terms
- Optimizing workload costs
- Resources to help you save

## C3IT's Cost Optimization Offering

# Our Offering – Free Assessment of the Azure cloud Expenses

As part of our Cost Optimization Service offering, we unlock cost efficiencies and strategic growth with C3IT's Free cloud assessment.

This is the first step in establishing a strategic partnership to help achieve optimal performance and cost efficiency in your cloud environment. This assessment is designed to proactively identify opportunities for cost savings.

# Purpose – To Assist in optimizing the Cloud Expenditure

By understanding your current cloud usage and needs, we can provide tailored recommendations that lead to significant financial benefits. Our industry experts tailor solutions to your unique needs, mitigating risks and optimizing resources, Build transparency, trust, and a lasting partnership as we navigate your cloud journey together.

Several customers have benefited with cost savings anywhere between **25%to 70%**.

#### Why C3IT?

• C3IT is Microsoft's Solution partner

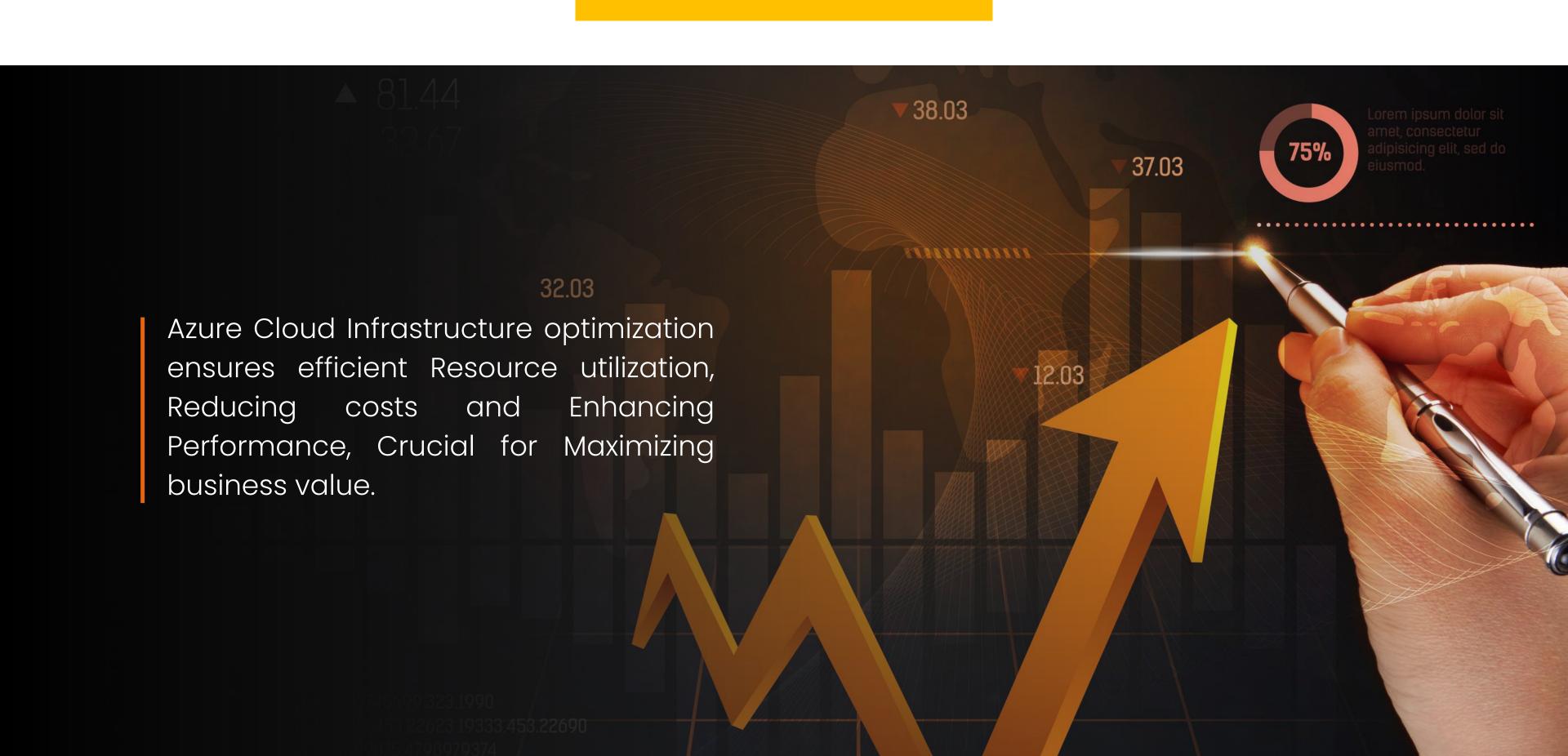


Certified & Experienced professionals



- Specialized in Cost optimization and Performance Optimization offerings at all layers & levels
- Specialized Discovery process
- Strong Technology leadership

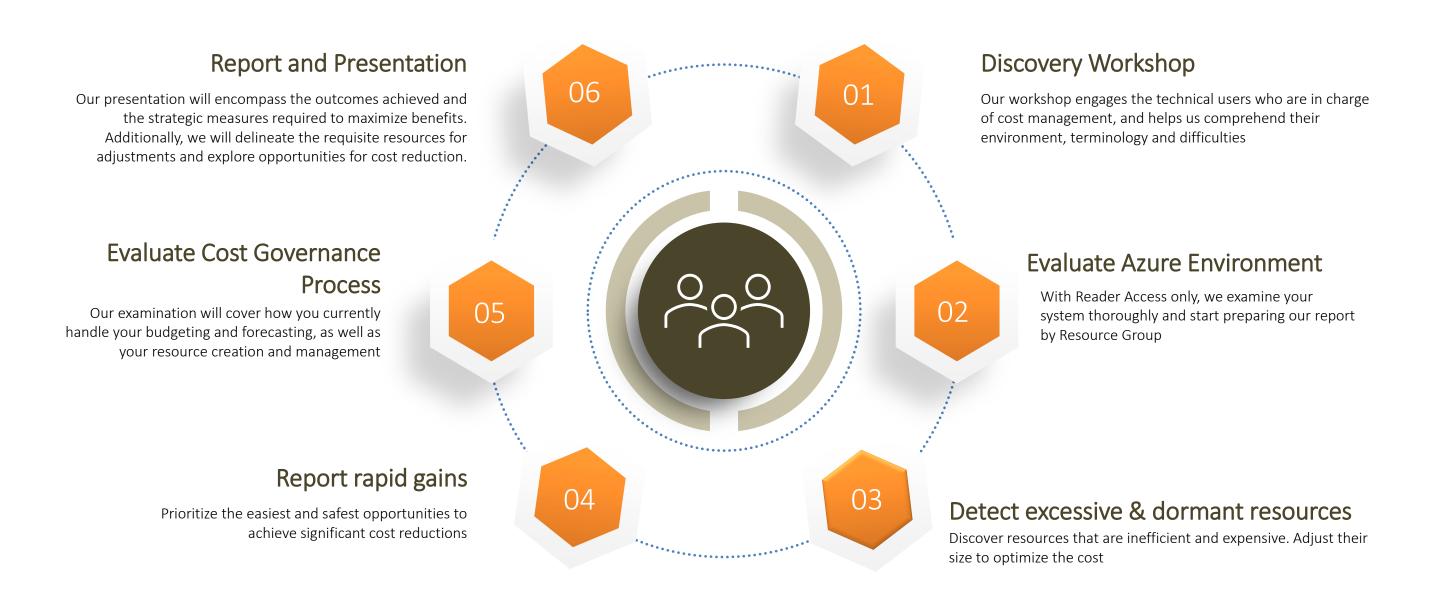
## **Enabling Cloud Cost Optimization**



# Cost Optimization Assessment Methodology

A strategic approach to reduce costs and improve efficiency

A strategic approach to reduce costs and improve efficiency



## **C3IT's Azure Cost Optimization Framework**

#### C3IT would gather data from cx's on

- Existing cost details
- Inventory of Azure services
- Usage patterns
- Performance metrics
- ongoing Operational Costs
- Governance mechanism



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#### Phase -I

**Data Gathering & Cost Analysis** (Free Assessment)

Perform Cost Analysis at Management Group, Subscription, Resource Group, Resource level & Identify the opportunities of cost savings



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#### C3IT would Provide the outcome of the Assessment

- Observations
- Metrics
- Reports



#### Add - on

#### **Cost Optimization Managed Services Offering**

C3IT team would provide ongoing support towards Cost optimization

- Build & adjust cost optimization strategy
- Automate cost tracking and management
- Ensure ongoing cost savings





#### Phase -II

#### **Recommendation on Cost Optimization & Strategy Roadmap**

Prioritization of Cost Optimization & share Cost optimization implementation Roadmap



#### C3IT would provide

- Cost savings summary
  - At Management Group/Subscription/ Resource Group/Resource level
  - Comparative stats before & after cost optimization





#### Phase -III

#### **Implementation of Cost** optimization Recommendations

C3IT team works with cx's engineering team to provide High quality solutions in 2 phases

- Immediate Impact
- Long term sustainability



#### C3IT would provide

- Prioritized recommendations for cost saving opportunities
- Strategy roadmap for the implementation

#### Discuss

Logistics & Financials



## Cost Assessment Details

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Day wise Approach - Day 0, Day 1

Phases	Day wise Approach (Summary)	Deliverables	
	Day 0> 0 Initial Discovery [Engage with the customer (Cx)]	<ul> <li>Assess current Azure estate and cloud journey.</li> <li>Identify current challenges and future expectations.</li> <li>Review past optimization efforts by in-house or external teams.</li> <li>Present C3IT's Cost Optimization Methodology</li> <li>Discuss C3IT's phased approach.</li> <li>Highlight additional value-add services (Performance, Reliability, optimization)</li> <li>Provide details of C3IT's Azure engineers and their specializations</li> </ul>	
Phase 1	Outcome of Day 0: Upon approval, schedule Project Kick-off meeting & Get Reader access to explore the Cx's Azure environment		
(Azure cost Analysis)	Day 1> 01  Discovery - Azure Ecosystem	<ul> <li>Identify Management Groups, Subscriptions, Resource Groups, and Resources.</li> <li>Analyze usage patterns on different time scales (Month/Week/Day/Hour).</li> <li>Understand detailed usage patterns across Subscriptions, Resource Groups, and Resources (Monthly, Location, Meter, Meter Subcategory, Environment, Charge type, Billing period, Service tiers, Tags, etc.).</li> <li>Conduct a detailed examination of permutations and combinations to derive pattern logic.</li> <li>Document the observations.</li> </ul>	

Outcome of Day 1 : Document the Inventory list & Usage patterns

## Cost Assessment Details

Phase wise Approach -- Day 2, Day 3

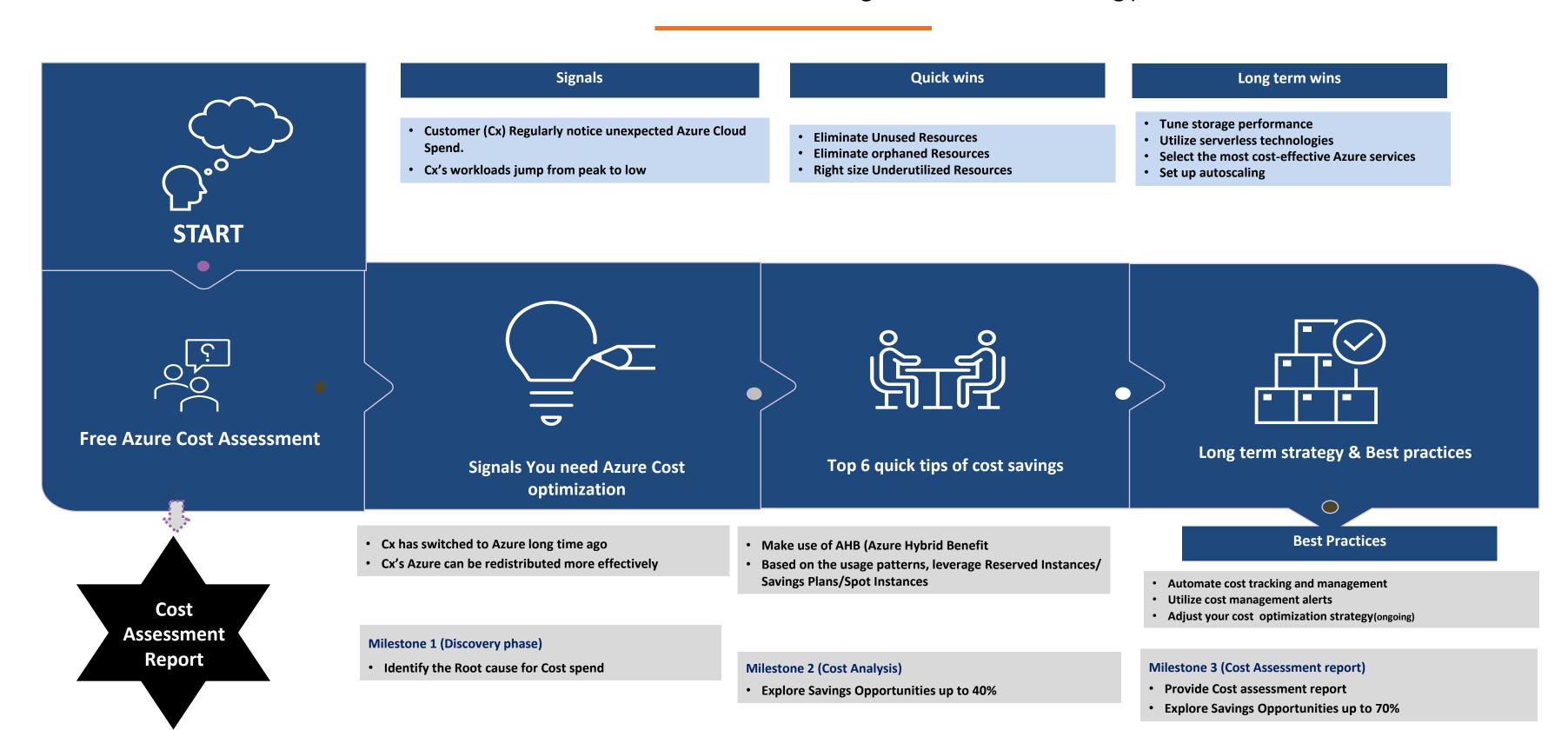
Thase wise Approach Bay 2, Bay 3		
Phases	Day wise Approach (Summary)	Deliverables
Phase 1 (Azure Cost Analysis)	Day 2> Cost Assess 2 & Analysis	<ul> <li>Identify Long-Term Cost Savings Opportunities.</li> <li>Identify Quick-Win Opportunities.</li> <li>Assess Risks to Business Data Security and Vulnerabilities.</li> <li>Identify Resource Waste, Scheduling, and Scaling Opportunities.</li> <li>Evaluate Automation Opportunities in Azure Costing.</li> <li>Analyze Workloads and Interdependencies between Performance and Cost.</li> <li>Conduct Cost Analysis at Subscription, Resource Group, and Resource Levels.</li> <li>Explore Reusable Cost Optimization Techniques.</li> <li>Analyze Existing Licenses Usage and AHB Opportunities.</li> <li>Conduct Cost Drivers and Tagging Analysis.</li> <li>Review and Assess the Existing Cost Governance Process, including Monitoring and Alerts.</li> </ul>
	Day 3>  Azure Cost A Solvings & Optimization Briefing	Provide a Cloud Inventory Summary for the Customer (Cx).  Outline Cloud Cost Challenges and Resource Distribution Across Regions.  Offer a Comprehensive Cloud Spend Summary for Cx.  Deliver a Sample Cloud Cost Consumption Report from High Level to Granular Detail.  Present an Analysis of Resource Groups, Services, and Metered Categories.  Propose Strategies for Reserved Instances, Savings Plans, Spot Instances, and Pay-as-You-Go.  Implement Tagging and Cost Allocation Strategies.  Deliver an Analysis Report on Current Strengths and Improvement Opportunities.  Summarize Usage Patterns and Conduct Cost Trend Analysis.  Compare Current State vs Future State of Cx Cloud Spend.  Identify Day-wise, Month-wise, and Quarter-wise Cost Savings Opportunities.  Pinpoint Savings at Subscription, Resource Group, and Resource Levels.  Highlight Savings Opportunities by Service Tier and Environment (Dev/UAT/Prod).  Propose Savings through Resource Utilization and Right Sizing.  Summarize Overall Cost Savings Opportunities in % and \$/local currency, emphasizing Cost-Effective Services.  Present Opportunities for Enhanced Cost Governance.

Outcome of Day 3: • 1 to 2 hrs of presentation to the cx on Cost Analysis report and Optimization opportunities & Next steps

• Provide 10-page Cost Analysis Report tailored for Cx's environment based on current usage & resource demand

### Cost Assessment

Indicators, Quick win and Long term Wins strategy



# Next Steps



#### IN THE UPCOMING PHASE, PHASE II,

Azure architects will conduct a comprehensive analysis of all Azure Resource groups and Resources. Prioritized recommendations and an implementation strategy roadmap will be presented.

#### SUBSEQUENTLY, IN PHASE III,

After customer discussions, the implementation will advance through Dev, UAT, and Production instances/servers during off/lean business hours. Any minimal downtime will be communicated in advance. The outcome of each phase has been represented in the above framework

#### **FURTHER, IN ADD-ON PHASE**

Following the implementation of cost optimization techniques, our focus is on maintaining continuous oversight of Azure costs and proactively devising strategies for further savings while prioritizing performance efficiency. Additionally, we empower our customers with transparent reporting to enhance their understanding of cost dynamics.



# The Cost-Optimization Implementation Process











#### Plan

- Establishing Requirements
- Architecting with Cost Considerations
- Choose Price model
- Forecasting Consumption
- Deploying a Pilot Application
- Establishing a Budget

#### **Track**

- Establishing Native
   Hierarchy Design
- Executing a Strategic
   Tagging Implementation
- Allocating Costs for Shared Resources
- Defining Key Metrics for Tracking
- Enabling Anomaly Alerts

#### **Reduce & Optimise**

- Deactivate Unused Resources
- Implement Service Scheduling
- Optimize Allocation Through Rightsizing
- Utilize Discount Models
   Effectively
- Integrate Horizontal AutoScaling
- Modernize Applications for PaaS
- Incorporate Serverless
   Technology
- Utilize Preemptible Instances

#### **Evolve**

- Implement Tooling Solutions
- Facilitate Automation and predictive analytics
- Transition Budget
   Accountability
- Encourage Financial Responsibility Incentives
- Align Costs with Business
   Value

### **Client Testimonial**





"I appreciate your dedication and professionalism in carrying out this assessment and furnishing us with valuable information. It truly reflects the extensive knowledge and expertise possessed by the C3IT team, leaving me thoroughly impressed."

-- CTO of PayG --

