Innovate and Accelerate your Business with Nucleus Cloud Solutions

When Cloud Transformation is done right, it's like a caterpillar turning into a butterfly, but when done wrong, all you have is a really fast caterpillar

Multiple CXO surveys by leading analyst firms have shown that Cloud Transformation is essential for expanding business ecosystems, amplifying customer value and experience, establishing new revenue channels and fueling top-line growth. With Cloud Transformation, enterprises not only reduce technical debt and spiraling capital expenditure, but also respond quickly to changing business demands and market fluctuations. Cloud transformation is the need of the hour and for a complete business makeover, modernizing your legacy apps is a business imperative.

Cloud Transformation is a risky exercise for traditional enterprises, that have relied on legacy in-house systems to deliver services and revenue for many years. Enterprises today are experiencing multiple challenges in their journey towards Cloud adoption. Some of the challenges are as followed:

Managing Legacy Systems: Existing legacy hardware and software are difficult to maintain, scale, integrate internally and externally. Companies that have long relied on such systems find it difficult to take the first step towards cloud adoption.

Complexity: Hybrid/multi-cloud IT infrastructure ecosystems require seamless integration of applications and data for effective data-driven decision making. Managing such an ecosystem can be challenging and complex.

Cost: Cloud migration costs are among the biggest challenges that CTO's encounter. Maintaining a legacy system is expensive in some cases, However the costs of migrating legacy system to cloud is not inexpensive.

Security: With the rise in cyber security incidence, despite the benefits organizations see from cloud, a variety of challenges still get in their way, mostly around data privacy and security.

When it comes to cloud, you need to tread carefully. Transformation to cloud needs a carefully devised strategy that is implemented on a phased approach and able to overcome all the challenges, irrespective of the level at which you are at cloud maturity. Nucleus Cloud Computing Services will help Organizations in achieving business objectives and expected returns from cloud investment.

Nucleus Cloud Service Offerings

Leverage our cloud expertise to focus on your core competence.

Microsoft Azure

NUTANIX vmware

ORACLE

aws

Google Cloud

Cloud Service Offerings

1 **2** **3** **4** **5** **6**

Cloud Managed Services

- Cloud Application and Infrastructure Support
- Fully Managed Cloud/On-Premises Workloads
- 24/7 Proactive Monitoring and Incident Management
- ITIL Standard Design for Cloud

Cloud Migration Services

- Application Migration
- Infra Migration
- 6-R Migration Services
- Hybrid Cloud Strategy/Implementation
- SaaS/PaaS Migration

DevOps – On Cloud

- Organizational Adoption of DevOps
- Containerization and Cloud Workload Management
- DevSecOps
- Infrastructure as a Code
- Continuous Integration/Development/ Deployment/Monitoring/ Improvement

Cloud Security Services

- Cloud SecOps/DevSecOps
- Cloud Security Automation
- Cloud Security Review and Audit
- Compliance, Governance on Cloud (GDPR/HIPPA)

Cloud Consulting Services

- Cloud Adoption Readiness Assessment
- Cloud Service Provider Review Process
- Cloud Cost Management Services
- Cloud Performance Assessment/Implementation
- Cloud TCO/ROI Value Assessment
- Cloud Migration
- Cloud Governance Audit

Cloud Application Services

- Cloud Native Application Development
- Application Modernization
- Cloud Service Integration
- SaaS/PaaS Migration From LegacySystem

How can we help?

Cloud Migration

Nucleus Software has vast knowledge of different public cloud services and can advise the best migration practices. We provide consistent migration support, architectural assessment, planning, TCO overview to enable organizations take the rational decision of moving to cloud.

Application Modernization

Updating legacy systems is a major undertaking, and the transition to cloud can be difficult. Nucleus Transformational Framework for Application Modernization and Migration services will enable FIs to reimagine and rearchitect their business and IT processes with a faster and effective approach to modernizing outdated platform-based enterprise applications.

DevOps and Cloud Native

Nucleus Software emphasizes on adopting Cloud native approach. Nucleus Software's experienced DevOps Professionals help in standardizing end-to-end process using cloud native technologies and deliver value to customer.

Cloud Consulting Services

Nucleus Software Skilled Cloud certified resources empower FIs by delivering excellent cloud support services and proactively reviewing what technologies and services are required to suit evolving needs.

Cloud Managed Services

Nucleus Software Cloud Managed Services provide fully managed IT services which comprises a 24/7 Cloud monitoring system, monthly reports related to Cloud usage, quarterly meetings related to Cloud service enhancements.

Cloud Security

Nucleus Software's Transformation Framework along with the cloud certified security experts focus on enhancing the overall security of organization's Cloud Infrastructure.

Customer Success Story

Cost Reduction With Data Center Migration

BENEFITS

- Savings of over USD 8,749, 709 over the period of 5 years when Xi DR services & Nutanix Hypervisor was used.
- Target saving achieved in DR cloud, Hypervisor change, SDN change and by building Automation capabilities.
- Clear cost and operation labor saving due to usage of a modern Private Cloud data Center.

OBJECTIVE

Banking client in Japan recently conducted internal project to work out a strategy for reducing IT cost through consolidation and cloud migration. Important conclusions of this project were:

- Consolidate 10 Datacenters into 2 locations to save facility expenses.
- Migrate as many apps as possible onto Public Cloud ecosystem; and virtualize the rest of apps on premise to reduce their footprint and achieve cost reduction.
- The annual cost of operations of primary DC is roughly 4.13 MM USD and the cost of backup DC roughly 2.29 MM USD, respectively.

THE SOLUTION

Solution A: Consolidation of 10 Datacenters into 2:

- Nucleus proposed to start using cloud-based backup / DR center capabilities called Nutanix Xi Leap to simplify and optimize DR centers.
- This also helped to stop using expensive VMware hypervisors and switch to AHV hypervisors as much as possible.
- Cost saving implemented by stopping the use of expensive VMware NSX network and switching to the equivalent available from Nutanix.
- Nucleus start using DC automation capabilities such as auto-provisioning built in Nutanix; and transform on premise datacenters to modern private cloud centers.

Solution B: Migrate as many apps as possible onto AWS:

- Current inefficient method involved - Existing on-prem apps which can be terminated only after developing and testing gets completed, taking long time to shutdown datacenters.
- Nucleus proposed a method involved 2-step approach by migrating apps to AWS Xi, then changing apps to native AWS.

THE RESULTS

21% Saving in TCO

56% Cost saving by migration to Cloud

38% Cost saving by choosing right alternatives

About Nucleus Software

Nucleus Software Exports Ltd. is a publicly traded, intellectual property focused company that provides lending and transaction banking products to global financial leaders. Nucleus Software powers the operations of 200+ Financial Institutions in 50+ countries, supporting Retail & Corporate Finance, Automotive Finance, Islamic Finance, Cash Management, Mobile & Internet Banking, Transaction Banking and more. We facilitate more than 26 million transactions each day through our transaction banking suite. Our digital lending platform manages over US $500 billion of loans in India and over US $700 billion of loans globally other than India, while enabling 500,000+ users log in daily.

Contact Us

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