CLOUD4C
A CtrlS Company

Modernize your Data Center

Optimization to Innovation powered by Microsoft Azure and Cloud4C

| Assured Data Integrity | High Availability

| No-loss Data Transfer | Multi-Cloud expertise

| Automated Database Management

- More than one-third of enterprises adopting cloud across the globe spend over **12 million** dollars each year.
  Source: https://www.flexera.com

- **90%** of enterprises across the world feel cloud adoption to be primary strategy post pandemic.
  Source: https://www.flexera.com

- Cloud migration market worldwide to cross **500 billion** dollars by **2027.**
  Source: https://www.alliedmarketresearch.com

Enterprises embracing digital transformation is yesterday's news. They are trying to constantly modernize existing applications and infrastructure to achieve their business goals more efficiently. Determining the optimized way to modernize aligned with your business goals is the key, today.

Cloud4C helps you gain agility and efficiency, drive innovation through new data-driven insights, and capture new opportunities through Azure Cloud. Azure enables enterprises to utilize their data more effectively while trimming down infrastructure costs. We empower you to modernize your infrastructure and migrate datacenters to the Azure cloud with confidence and zero-risk.
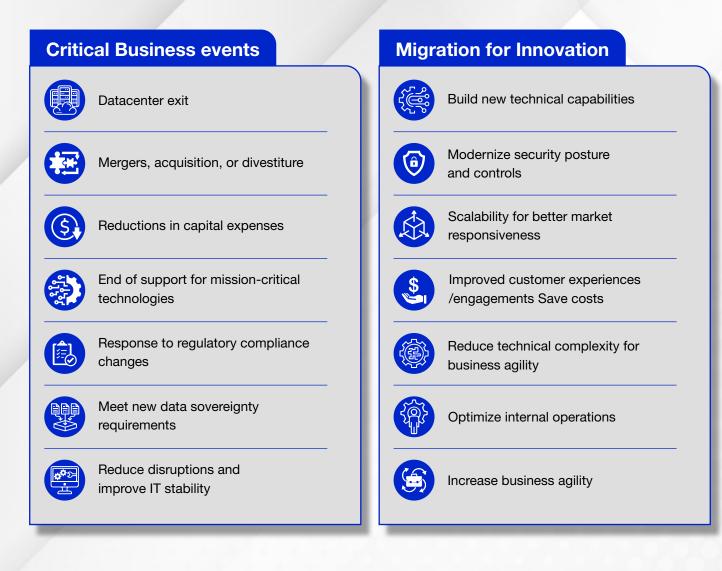
We empower enterprises to migrate Datacenters to the Azure Cloud with Intelligent Infrastructure

Modernization frameworks for increased efficiency, enhanced security, and improved cost-effectiveness. Our team of experts help you make this journey as seamless as possible, while leveraging every opportunity to modernize your infrastructure, applications, and data platforms for added value at each step.

Cloud4C's experience in integrated technology services, proprietary tools, cloud-native tools and a creative, cloud-expertise, people-first approach ensures that your enterprise transformation is handled efficiently and helps you transform siloed environments into a cohesive, software-defined virtual environment.

Why Datacenter Migration to Cloud?

Moving to the cloud is only the first step to become 'Undisruptable' . The right infrastructure empowers you to deliver resilient new solutions by automating development processes wherever possible. It of course requires comprehensive security built on Zero Trust and micro-segmentation principles. Enterprises choose Infrastructure Modernization to keep up with their exponentially increasing data footprint and simultaneously reduce costs, leverage newer forms of big data, and better analysis of data with powerful AI/ML algorithms.
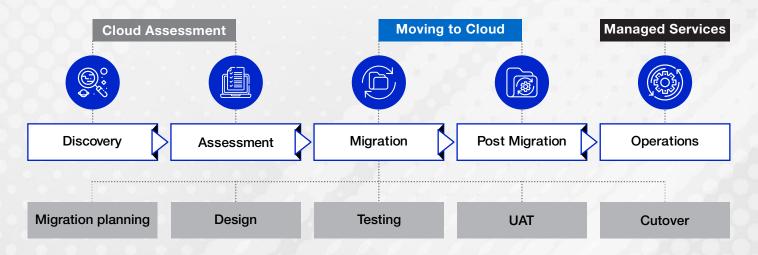
Critical Business events

- Datacenter exit
- Mergers, acquisition, or divestiture
- Reductions in capital expenses
- End of support for mission-critical technologies
- Response to regulatory compliance changes
- Meet new data sovereignty requirements
- Reduce disruptions and improve IT stability

Migration for Innovation

- Build new technical capabilities
- Modernize security posture and controls
- Scalability for better market responsiveness
- Improved customer experiences /engagements Save costs
- Reduce technical complexity for business agility
- Optimize internal operations
- Increase business agility

The Cloud4C Approach to Datacenter Modernization

Infrastructure Modernization

Planning, implementing and maintaining infrastructure modernisation can be a challenge unless you are equipped with the right framework and strategy. Cloud4C's infrastructure modernisation services are designed to help you drive the process with a Migration Factory approach. We follow a strict process that includes thorough assessment, planning, resource preparation, solution and requirement evaluation, tool selection, migration execution, migration monitoring, and cutover.

Cloud Assessment | **Moving to Cloud** | **Managed Services**

Discovery → Assessment → Migration → Post Migration → Operations

| Migration planning | Design | Testing | UAT | Cutover |

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Why Cloud4C?

Key Business Concerns

- Skills shortage
- Loss of knowledge
- Branding issues
- Customer-friendliness
- Modernisation costs
- Quality assurance
- Performance and stability

How We Can Help

- Scalable, reliable and future-ready infrastructure
- Increased Infrastructure Uptime (99.95%) and Capacity
- Increased performance, management, monitoring, and availability
- Eliminate issues with legacy infrastructure

What Makes Us A Pioneer

- 2000+ Cloud experts
- Support Hybrid infrastructure
- Migrated and Managing - 40000VMs
- High Availability -99.95%
- 24x7 Support SOC and NOC
- AIOps driven cloud operations
- Security and Compliance embedded
- Disaster Recovery as a Service

Our End-to-End Approach

Assess

- Discovery workshop
- Industry specific & geo specific frameworks
- At-risk applications & tech
- Risk & security assessment and risk priorities
- Risk mitigation cost
- Cost benefit analysis
- Cloud4C endorsement priorities
- Modernization priorities recommendation
- Stakeholder buy-in & funds

Plan

- Modernization vision for the organization
- Migration & transformation approach
- Migration strategy & target
- Migration & transformation plan
- Develop test plans
- Document impact plan
- Document project milestones
- Budgeting
- Stakeholder buy-in & funds release

Execution

- Project Kick-off
- Configure cloud platforms
- Quality check
- Security check & authorization
- App health & functionality check
- Report status to migration teams
- RoI validation
- De-comission technologies
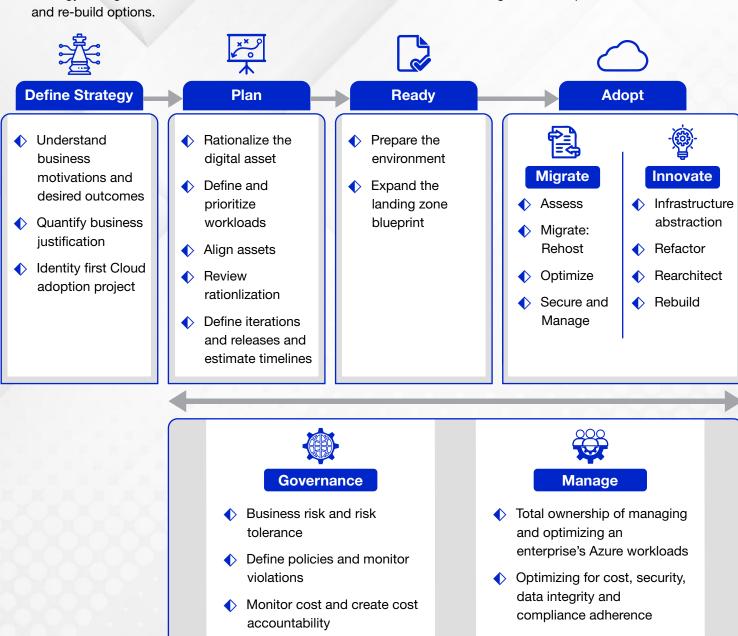- Sign-off

Cloud4C Cloud Adoption Framework (CAF) for Azure

Cloud Adoption Framework powered by Azure offers enterprises a reliable methodology to migrate to cloud. Right from choosing the right cloud platform, Cloud4C experts will help you take the right decisions throughout various stages of migrating to the cloud, establish operations on the cloud, and manage mission-critical workloads on cloud.

Discover, map, and evaluate your enterprise apps, data, and infrastructure with Cloud4C CAF that is aligned to Azure best practices. Cloud4C Azure experts leverage our proprietary accelerators and tools to chart out the best strategy to migrate and modernize mission critical workloads to Azure including re-host, re-platform, re-architect, and re-build options.

Define Strategy

- Understand business motivations and desired outcomes
- Quantify business justification
- Identity first Cloud adoption project

Plan

- Rationalize the digital asset
- Define and prioritize workloads
- Align assets
- Review rationlization
- Define iterations and releases and estimate timelines

Ready

- Prepare the environment
- Expand the landing zone blueprint

Adopt

Migrate

- Assess
- Migrate: Rehost
- Optimize
- Secure and Manage

Innovate

- Infrastructure abstraction
- Refactor
- Rearchitect
- Rebuild

Governance

- Business risk and risk tolerance
- Define policies and monitor violations
- Monitor cost and create cost accountability
- Secure by design
- Identity and access baseline
- Drive consistency as well as standardization

Manage

- Total ownership of managing and optimizing an enterprise's Azure workloads
- Optimizing for cost, security, data integrity and compliance adherence

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Automation enabled Managed services from Cloud4C

Infrastructure is becoming programmable, and the operation of programmable infrastructure needs to become automated too. Modern IT infrastructure, whether deployed in the data center or consumed in the public cloud, should require less manual intervention and routine administration than its legacy equivalents.

As a company handling mission critical workloads for more than 4000 enterprises worldwide, we help augment their heterogeneous and complexities technology environments through optimized delivery model, supported by robust processes such as ITIL, ITSM, CoBIT, our proprietary service delivery processes backed by SLAs. Our award-winning Self-Healing Operations platform integrates different tools and platforms required to deliver managed services to enterprises. Real-time reporting, optimization, automation in the entire lifecycle and more.

The objective of SHOP is to bring dozens of diverse operational platforms and tools including auto remediation and self-healing onto a single system so that the infrastructure and applications can be managed through a single pane of glass while providing customers with a holistic view of their environments. The platform improves engineers' efficiency while also allowing engineers with less experience, to handle more complex tasks.

USP of our managed services is the industrialization of our services through shared services and our home-grown single platform that brings all these operational platforms and tools together. We have an API factory, UI factory, SOP warehouse and more that are part of this platform, which operate through loosely coupled but tightly integrated
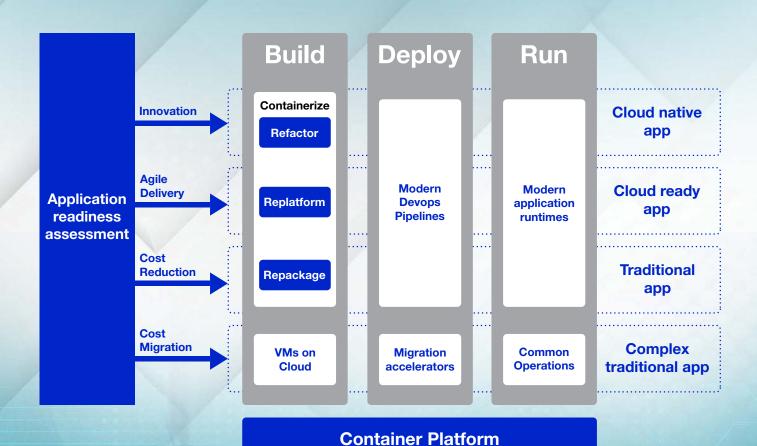
APIs. We deliver end to end managed services through this platform with complete visibility from order entry to end customer reporting - everything is connected and operated through this platform.

End-to-end Application Modernization

Enterprises will no longer just do a lift-and-shift into the cloud but will instead refactor and rebuild directly in the cloud. While enterprises might retain some mission-critical workloads on-premise, most enterprise data will be in the cloud

Take your existing applications to new environment on your terms in a secure way. Clodu4C helps organizations re-host, re-place, re-platform, re-architect, re-build or consolidate their legacy software programming to meet the current and future business needs.

Cloud4C Application Modernization helps enterprises in maintaining, extending, deploying and managing their applications so that they meet the current and future business needs. This depends on their situation which will be driven by factors such as strategic business initiatives, application architecture, time, cost and available skills Various approaches and techniques for Application Modernization that Cloud4C supports.

Build

Containerize

- Refactor
- Replatform
- Repackage

VMs on Cloud

Deploy

Modern Devops Pipelines

Migration accelerators

Run

Modern application runtimes

Common Operations

Application readiness assessment

- Innovation → Cloud native app
- Agile Delivery → Cloud ready app
- Cost Reduction → Traditional app
- Cost Migration → Complex traditional app

Container Platform

Key Business Concerns

- ◆ Modernizing cost and duration
- ◆ Legacy systems vs new systems
- ◆ Integration challenges
- ◆ Managing changes

How We Can Help

- ◆ Thorough discovery workshops across migration lifecycle
- ◆ Fail proof, secure and risk-averse migration framework
- ◆ Robust industry, geography and compliance specific approach
- ◆ Comprehensive Migration strategy
- ◆ Use of certified migration tools and automation

Key Differentiators

- ◆ High expertise and experience on public cloud platforms
- ◆ Dedicated approach to every step of data migration
- ◆ Skilled handling of complex migrations
- ◆ Assured data sovereignty and data integrity
- ◆ High speed data migration with zero downtime
- ◆ High-availability (99.9%) infrastructure

Database Modernization

Rewriting database applications can impact your business negatively. Cloud4C ensures modernization of your database or data warehouse applications with cloud-native systems without the hassle of modifying thousands of existing applications.

Cloud4C offers -

Database Migration Services	Database Management Services	Managed Advanced Data Analytics & BI
◆ Assessment and Plan ◆ Faster migration ◆ Database of Your Choice ◆ Data security during migration ◆ Complex & large-scale Migrations	◆ High Availability and Backup ◆ Personalized and Customized approach ◆ Tuning, health checks, Disaster Recovery Maintenance and Monitoring ◆ Proactive threat detection and prevention ◆ Near zero management ◆ Automated & Optimized	◆ Data preparation – Single of source of truth, Data lakes, Data Marts ◆ Data Visualization

Why Cloud4C for Data Modernization?

1000+ customers DB managed

10/25 of Global Banks DB managed

10,000 TB managed DB

80TB managed DB of a single customer

100 multi-cloud DB certified professionals

Workplace Modernization

Leverage Cloud4C's experience in virtualisation to create a digitally-enabled workforce equipped to work from anywhere, anytime, and on any device. Cloud4C helps organisations upgrade and migrate existing infrastructure, facilitate cloud-native and on-premise communications, and deploy virtualised desktops across their end-user workforce to enhance experience, increase security and decrease costs.

Cloud4C Offerings

Workspace Collaboration

◆ Desktop as Service – Citrix, Microsoft Azure WVD

Communications & Collaboration

◆ MSFT 365

Key Benefits

◆ Simplified desktop delivery

◆ Reduced costs

◆ Centralized management

◆ High data security

◆ Zero complexity

Key Differentiators

◆ 25 Centers of Excellence (CoEs)

◆ 24X7 Support with NOC & SOC

◆ Total ownership with Single SLA up to managing DaaS

◆ Successful deployment and management of 5000+ instances

◆ Uninterrupted, remote support

◆ Continued monitoring of compliances and security control

◆ Reduced Total Cost of Ownership

Cloud4C: A Trusted Partner for Datacenter Modernization

25 Centers of Excellence(CoEs) and over **2000** cloud experts with **12+** years of rich experience

Proven expertise of migrating **40000+** Instances and **8000+** Databases

Certified resources for public cloud implementation, CloudOps, DevOps, Transformation and Migration

Intuitive DR solutions with stringent SLA for RPO/RTO

Highest Single SLA at Application Layer with highly automated and intelligent IT service management, and multilingual support

In-country data residency and industry compliance solutions and Integrated Managed Security services. Lift and shift mission-critical and complex applications on any cloud.

One of the few companies globally managing Core Banking Apps on public, private and hybrid cloud

A highly industrialized and automated strategy matured over **4000** companies

Innovative pricing models (per branch, per user, per transaction) at the Application level

Speak to us today for the fastest, safest, and the most cost-effective DC Modernization solutions