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#GTBharat SHAPING VIBRANT INDIA

Transform your business with hybrid cloud solutions

Tailored cloud solutions for your industry and business challenges

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Cloud has contributed over USD 1 trillion to global GDP, while cloud-enabled Artificial Intelligence (AI) has generated more than USD 98 billion[1]. Despite this growth, moving all enterprise workloads to the public cloud remains challenging. Key barriers include data residency requirements, compliance issues, rising costs, reduced control, vendor lock-in, and geopolitical risks.

Private cloud, distributed cloud, and hybrid cloud architectures address these challenges. Over the past few years, they have become leading models for cloud deployment and enterprise IT modernisation.

In fact, hybrid, private and distributed cloud models now represent the leading cloud strategy for many organisations, surpassing traditional models such as public cloud and Software as a Service (SaaS).

At Grant Thornton Bharat, we provide state-of-the-art cloud solutions that adapt to your unique business requirements. Whether you need private, distributed, or hybrid cloud services, our expertise ensures you get maximum benefit from your cloud investment, accelerate your business transformation and modernise your IT environment.

Source:
1. A report by AWS and telecom advisory services

Key drivers for private, distributed, and hybrid cloud adoption

Public cloud is not suitable for all workloads. Many organisations face challenges that make private, distributed, or hybrid cloud models more appropriate. Key drivers for adoption include:

- **Local data residency –** Many organisations need to store sensitive data within their own data centre or in a specific geographic region to meet regulatory and governance requirements.
- **Compliance with local laws and regulations –** Private and distributed cloud environments provide greater control over data storage, processing, and access. This enables organisations to comply with local laws, especially in highly regulated industries such as finance and healthcare.
- **Greater control and flexibility –** Private cloud offers complete control over infrastructure, from hardware and networking to compute and operating systems. Hybrid cloud architecture allows organisations to leverage the best of both private and public cloud environments.
- **Avoiding vendor lock-in –** Organisations using hyperscaler platforms often encounter lock-in due to proprietary services such as serverless functions or cloud-native databases. Adopting a more flexible architecture can help avoid dependency on a single vendor.
- **Cost optimisation –** Rising public cloud costs and waste remain top concerns. Not all workloads benefit from pay-as-you-go or reserved pricing models. Private and distributed clouds can provide more predictable cost management for steady-state or regulated workloads.
- **Improved reliability and availability –** A hybrid cloud approach can improve system resilience by combining private, distributed, and public cloud environments for enhanced uptime and fault tolerance.
- **End-to-end AI enablement –** Private and distributed clouds support the full lifecycle of AI workloads, from development and training to inferencing, while keeping critical data within organisational or geographic boundaries.

Our holistic strategy: The Enterprise Cloud Continuum

At Grant Thornton Bharat, we believe organisations should adopt a flexible cloud strategy that spans public cloud, sovereign cloud, private cloud, distributed cloud, and edge computing. By aligning cloud choices to specific workload requirements, businesses can unlock agility, compliance, and cost efficiency.

We call this approach the Enterprise Cloud Continuum, a tailored, strategic path to modern cloud adoption.

Security • Management • Governance

Apps | Data | AI/gen AI | Business process | Experiences

Architecture Multi cloud | Hybrid cloud

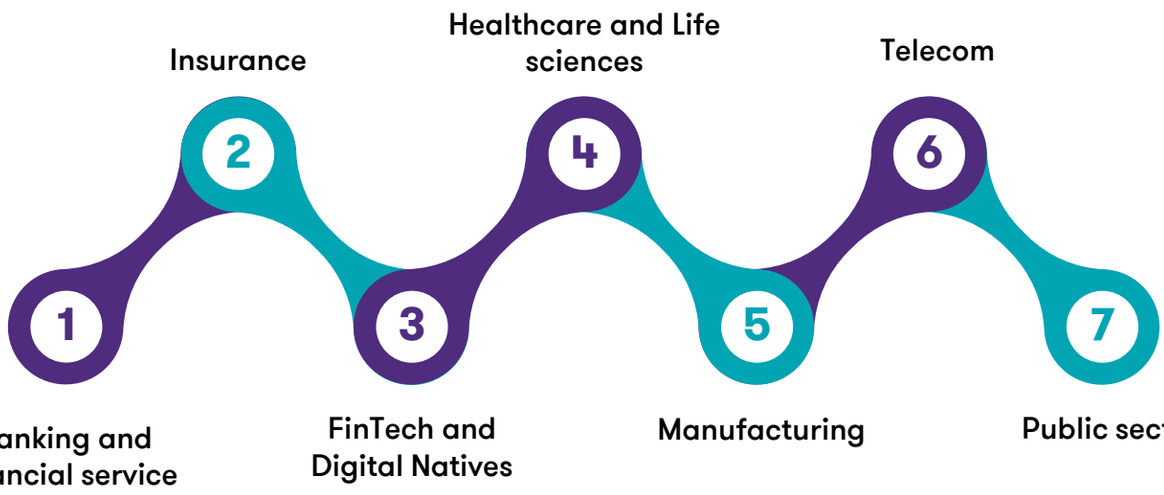
Cloud service models Infrastructure as a Service | Platform as a Service | SaaS

Public cloud	Sovereign cloud	Distributed cloud	Private cloud	Edge cloud
• Operate at massive scale with global infrastructure • Support multiple tenants with ease • Pay as you go and manage everything through self-service	Supports compliance with local and regional laws, and ensures data, operational, and digital sovereignty	• Run public cloud infrastructure and services across multiple locations, including on-premises data centres and other clouds • Manage and govern everything through a single control plane	• On-premises private cloud • Hosted private cloud • Managed private cloud • Virtual private cloud (on public cloud)	Brings cloud resources closer to users and data sources at the edge to minimise latency and maximise application performance
• AWS • Microsoft Azure • GCP • Oracle Cloud • IBM Cloud • Alibaba Cloud • Huawei Cloud • Salesforce • ServiceNow • Workday • SAP Cloud Platform	• Yotta • JioCloud • T-Systems • Gaia-X • UKCloud	• Google Distributed cloud • AWS Outposts • MS Azure Stack HCI • IBM Cloud Satellite	• VMWare • Nutanix • OpenStack • HPE GreenLake • IBM	• Akamai • DELL • CISCO

Enterprise Cloud Continuum

Industries and workloads for private, distributed and hybrid cloud

Industries



Workloads

Custom applications written in Java, .NET and more	Legacy monolithic applications	Containerised applications
Relational and Not only Structured Query Language (NoSQL) databases	Analytics and Business Intelligence workloads	Generative AI (gen AI) and and AI workloads (development, training and inferencing)
Business applications and core solutions like Enterprise Resource Planning and Customer Relationship Management	Backup and disaster recovery solutions	Applications that need data processing at edge

Our private, distributed and hybrid cloud offerings

We offer end-to-end cloud transformation services across VMware, Microsoft, Amazon Web Services (AWS), Google, International Business Machines (IBM), and other platforms. Our capabilities include:

- **Private and hybrid cloud strategy** - We help you define a business-focused cloud and automation strategy aligned with our holistic Enterprise Cloud Continuum framework. This includes private, distributed, and public cloud adoption tailored to your workloads and goals.
- **Hybrid cloud architecture and networking -** We design secure and scalable hybrid cloud architectures, including networking setup, landing zone configuration, resource provisioning, identity and access management, and security policies.
- **Migration to private and distributed cloud -** We deliver comprehensive migration strategies including the 8R workload disposition framework, wave-based migration planning, and the migration of infrastructure, applications, and data to private and distributed cloud environments.
- **Infrastructure automation -** We automate infrastructure provisioning using Infrastructure as Code tools such as Terraform, Azure ARM/Bicep, and AWS CloudFormation/CDK. We also enable Day 2 automation through Ansible, Policy as Code, Git Operations, and drift management.
- **Modernisation on private and distributed cloud -** We support the modernisation of applications, infrastructure, and workloads to optimise performance, scalability, and maintainability on private and distributed cloud platforms.
- **Modern DevOps for private and hybrid cloud -** We implement full Development and Operations pipelines including continuous planning, AI-assisted software engineering, continuous integration, continuous delivery and deployment, automated testing, monitoring, and observability.
- **Managed services and operations -** We provide end-to-end operations management for private and hybrid cloud, covering infrastructure, applications, databases, observability, service level agreements, IT service management, performance, governance, and AI for IT Operations solutions.

Our ecosystem experience

VMware on private and virtual private cloud

We help clients migrate, modernise, automate and operate VMware environments on private cloud, data centres and public cloud (including Azure VMware Solution or AVS, VMware on AWS and Google Cloud VMware Engine). We also help them transform their VMware solutions to alternate hypervisors and cloud-native solutions.

Microsoft Azure Stack and Azure Local

We have experience across Azure Stack flavors including Azure Stack Hub, Azure Local, and Azure Stack Edge. It runs directly on bare metal hardware validated by Original Equipment Manufacturer partners.

AWS Outposts

Fully managed service that enables running familiar AWS services (like Elastic Compute Cloud, Simple Storage Service, Elastic Kubernetes Service, Elastic Container Service and Relational Database Service), AWS infrastructure, Application Programming Interface (APIs), and tools on any location including data centre, co-location space, or on-premises facility or on other hyperscalers. AWS Outposts provides a true hybrid architecture by extending AWS services outside of AWS public cloud. The services running on AWS public cloud and AWS Outposts site could be managed through the same AWS console/portal.

Google Distributed Cloud (GDC)

GDC is a fully managed and integrated software and hardware solution for data centres and edge locations. GDC is offered as software only or as integrated software and hardware solution. It's available in air-gapped (not connected to public Google Cloud) and connected (connected to public Google Cloud) model.

Red Hat OpenShift

Red Hat OpenShift is an industry leading cloud native, container platform and is built on top of Kubernetes and other open-source solutions. It can be run on private cloud or public cloud infrastructure and allows seamless workload migration compatibility. Adopt OpenShift to modernise your workloads, adopt DevOps, leading edge open-source solutions and cloud native.

Yotta private and sovereign cloud

Yotta is a leading sovereign AI and cloud service provider of India. Grant Thornton Bharat has a strategic alliance with Yotta and our experience includes Yotta's private and sovereign cloud and Shakti AI Cloud.

IBM Cloud Satellite

IBM Cloud Satellite allows running a subset of familiar IBM Cloud services (e.g. IBM Cloud Object Storage, IBM Cloud Pack solutions, and few Red Hat software), access policies, security controls and APIs on your own data center as well as other hyperscaler platform.

Why Grant Thornton Bharat?

We bring deep expertise across sovereign cloud, public cloud, data, gen AI, and AI/ML. With our **Enterprise Cloud Continuum** approach, we help you select and adopt the right cloud solutions for your unique business needs—ensuring agility, compliance, and long-term value.

Our deep understanding of private cloud, public cloud, sovereign cloud, hybrid cloud and multi cloud

Hybrid cloud certified architects and engineers with deep experience in cloud migration, strategy, program and change management

Our smart cloud migration approach, and experience across cloud, infra, data, apps, security, AI and gen AI

Curated set of processes, methodology, delivery accelerators, and reusable assets

Our alliance with AWS, Microsoft (Azure), IBM, and Yotta

Our understanding of Indian market, focusing on mid-market segment and regulated industries

Appendix

- **Private cloud –** A private cloud is typically hosted in an organisation's data centre or colocation facility and is used exclusively by that organisation. It provides the benefits of public cloud, such as self-service, along with complete control, data residency, flexibility, and tailored solutions.
- **Distributed cloud –** A distributed cloud enables the running of public cloud infrastructure and services in multiple locations, including on-premises data centres, colocation facilities, or with other cloud service providers. It can be managed through the same cloud service provider's portal.
- **Virtual private cloud –** A logically isolated portion of a public cloud, reserved for a single customer. Resources created within the virtual private cloud can only be accessed and used by the customer who owns it – providing additional security and better control over resources.
- **Hybrid cloud –** Hybrid cloud architecture uses a combination of public cloud service providers (hyperscalers), along with private cloud, distributed cloud, and edge cloud solutions.
- **Multi cloud -** Multi cloud architecture involves using services from multiple public cloud providers. This approach allows organisations to optimise workloads, avoid vendor lock-in, and enhance resilience by distributing resources across different cloud platforms.
- **Sovereign cloud –** Sovereign cloud provides a cloud computing environment that addresses data sovereignty and regulatory requirements, particularly for organisations operating in specific geographic regions or industries with strict data residency and compliance needs. It has become increasingly popular in recent years across Europe, the UK, India and China.

Shaping Vibrant Bharat

A member of Grant Thornton International Ltd., Grant Thornton Bharat is at the forefront of helping reshape the values in the profession. We are helping shape various industry ecosystems through our work across Assurance, Tax, Risk, Transactions, Technology and Consulting, and are going beyond to shape a more **#VibrantBharat.**

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