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THE ENTERPRISE
ADAPTION OF
CLOUD
TECHNOLOGY

WHY ENTERPRISES SHOULD MIGRATE TO CLOUD

Increased Collaboration: Cloud computing enables employees to efficiently collaborate across different locations by facilitating simultaneous syncing, working, and sharing of documents and records in real-time.
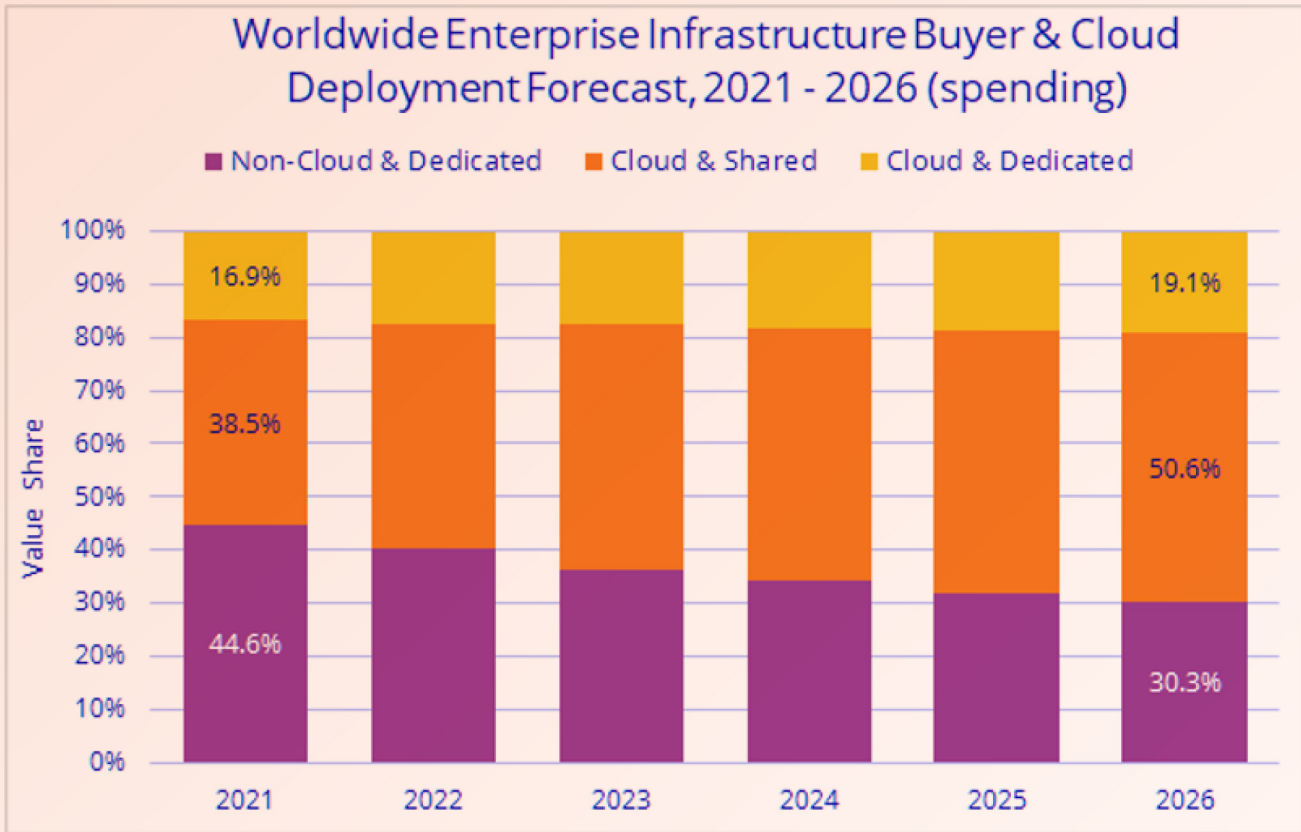
On Demand Scalability: Scale up operations quickly to meet greater usage needs, and scale down just as quickly, if resources are unused.

Improve efficiency: After moving to the cloud, there is no longer a concern with regard to power needs, storage needs, expensive computer hardware, or software updates.

Faster Deployment: Instead of months or years, it takes a matter of a few days to strategically develop, acquire, construct, and implement cloud-based services and an internal IT infrastructure with internal people.

Reduce Data Centre Cost: Moving applications, infrastructure, or platforms to a cloud model can result in substantial savings in your data centre.

Security: Cloud IT service providers offer higher security and data integrity levels.

Easy Maintenance: The task of releasing updates and patches is simpler.
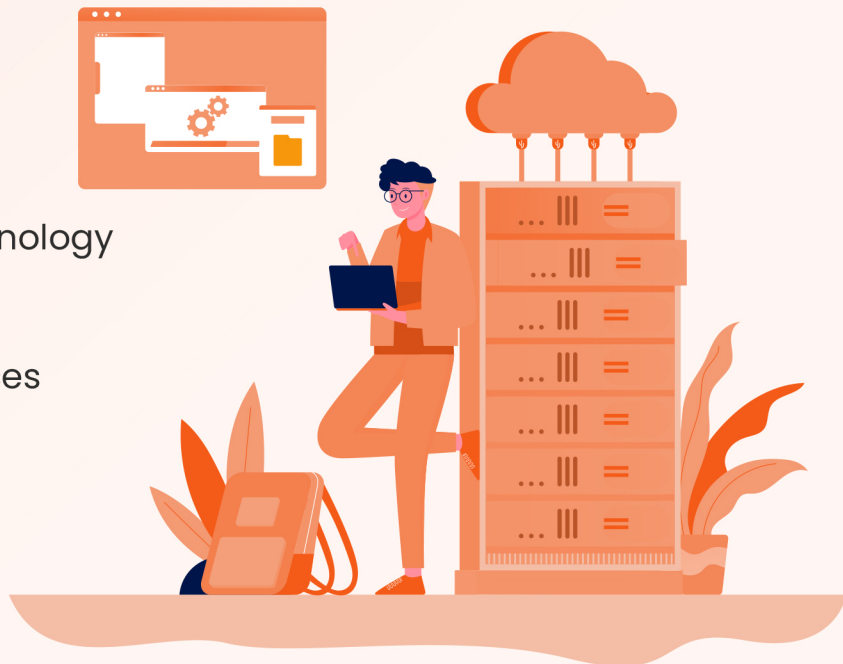
THE GROWING CLOUD TECHNOLOGY DEMAND
Worldwide Public IT Cloud Services Spending by Segment In $90.2 Billions

Worldwide Enterprise Infrastructure Buyer & Cloud Deployment Forecast, 2021 - 2026 (spending)

■ Non-Cloud & Dedicated ■ Cloud & Shared ■ Cloud & Dedicated

Value Share

Year	Non-Cloud & Dedicated	Cloud & Shared	Cloud & Dedicated
2021	44.6%	38.5%	16.9%
2026	30.3%	50.6%	19.1%

Source: IDC

BENEFITS OF MOVING TO CLOUD

- Development of new product and services
- Faster return on Investment
- Reducing resource waste
- Speed of deployment
- Lower total cost of ownership
- Replacing on-premise legacy technology
- Enabling business continuity
- Improving customer support services
- Great Flexibility and Agility
- Innovation enablement
- Gaining a competitive edge

HOW TO APPROACH THE CLOUD TRANSFORMATION

Specifically, there are four key topics companies should address for successful cloud adoption at scale

1. Decide on sourcing Service provider

The more common approach is to develop and manage an enterprise's cloud technology stack in collaboration with public cloud service providers. It is best to explore a second or third service provider for scaling up once you have reached a particular scale and level of maturity.

2. Create an operating model

Managing infrastructure as code in the public cloud, demands personnel with cloud expertise who are familiar with the public cloud's computing, networking, storage, and security protocols. This generally entails a significant upskilling of the infrastructure organization and the operating model. The management and configuration of the production environment must be delegated to specific teams.

3. Existing Application modernization

To meet the security and capacity demands of the public cloud, an assessment of the existing applications' infrastructure and layers is necessary. These applications need to be in-built and operate automatically. By developing a strong business case for legacy application modernizing, planning the migration schedule around significant application upgrades or replacements, and implementing core solutions (such API frameworks) to facilitate repair, businesses can overcome this obstacle.
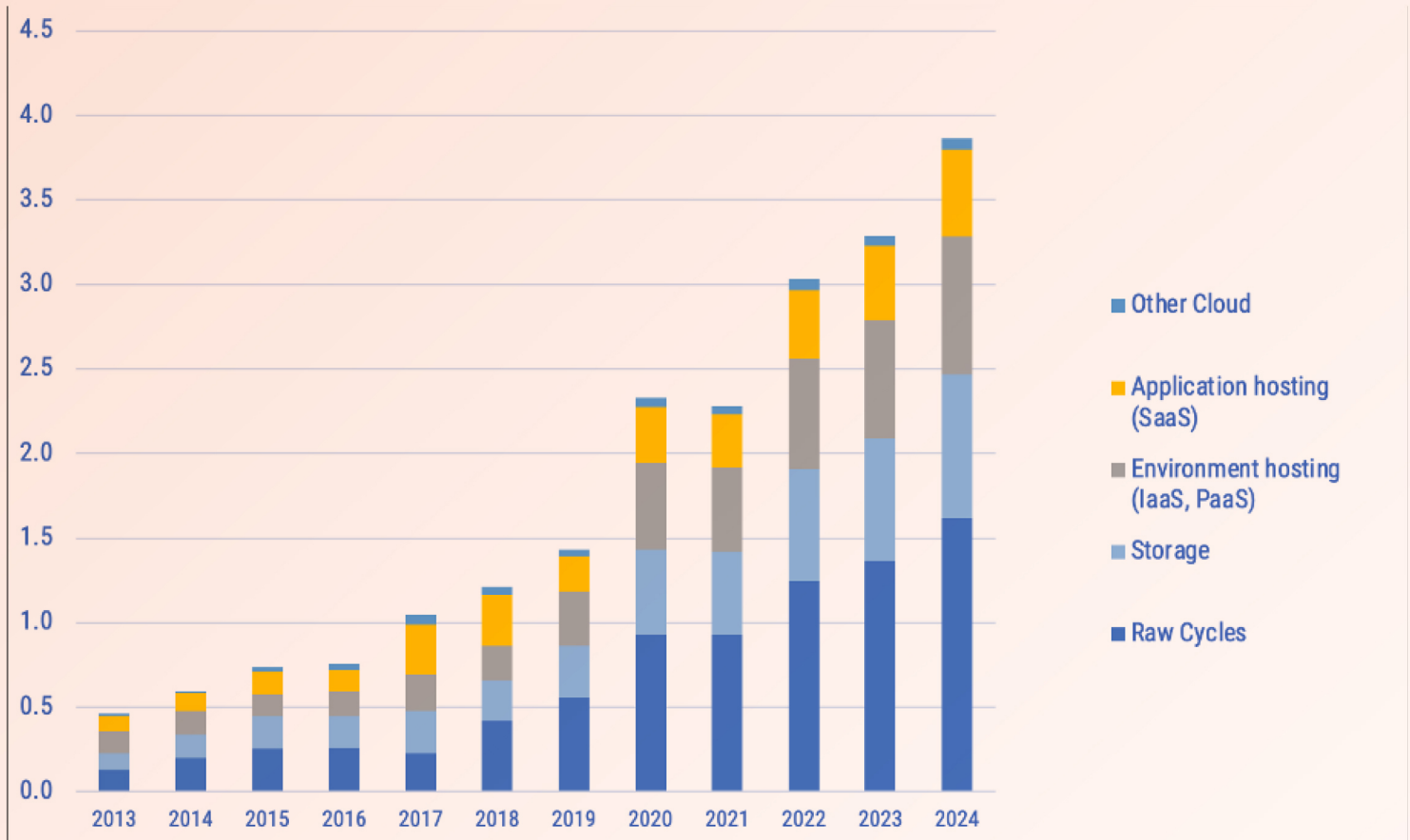
4. Nurture the skills

Cloud applications must be developed quickly and securely by skilled resources. To achieve this, companies must hire and train cloud specialists, integrate them into development teams, retrain or upskill the current workforce, and set up digital innovation labs as needed with a focus on cloud development. This bold strategy requires strong leadership commitment, time, and money but it is the fastest path to transformation.

CONSUMPTION OF HPC IN PUBLIC CLOUD 2024

High Performance computing (HPC market), projected to exceed $3.8 billion as a segment by 2024.

Legend:
- Other Cloud
- Application hosting (SaaS)
- Environment hosting (IaaS, PaaS)
- Storage
- Raw Cycles

Source: IDC

KEY INDUSTRIES THAT WILL BENEFIT FROM ADOPTING A CLOUD STRATEGY

- Education
- Real Estate
- BFSI
- Online entertainment
- Manufacturing
- Telecommunication
- Hospital & Healthcare

About NTS Innovate

NTS has been a leading provider of IT services and business solutions. We are reputed for delivering out of the box solutions for our customers from industries like Education, BFSI, Manufacturing, Retail, Hospitality, Real Estate and Construction, and Conglomerates.

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