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MIGRATE TO THE CLOUD

WHY AND HOW

THE TOP 5 REASONS COMPANIES ARE MOVING FROM ON-PREMISE TO THE CLOUD

Introduction

Cloud computing has transformed the way businesses operate by offering flexible, scalable, and cost-effective solutions. Over the last decade, an increasing number of organizations have transitioned from on-premise infrastructure to cloud environments. According to Gartner, global spending on public cloud services is projected to reach $600 billion by 2025, highlighting the growing reliance on cloud technology.

This eBook explores the top five reasons driving companies to migrate from on-premise infrastructure to the cloud. We'll dive into each reason, supported by data, case studies, and insights from industry experts, to provide a comprehensive understanding of why cloud adoption is accelerating.

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*Gartner: "Global Spending on Public Cloud Services" (2025)

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5 REASONS TO MIGRATE TO THE CLOUD

COST EFFICIENCY

FASTER TIME TO MARKET

SCALABILITY FLEXIBILITY

IMPROVED SECURITY AND COMPLIANCE

BUSINESS CONTINUITY AND DISASTER RECOVERY

REASON 1: COST EFFICIENCY

Lower Upfront Investment

On-premise infrastructure requires significant capital investment in hardware, software, and dedicated IT staff for maintenance and upgrades. Cloud computing, on the other hand, operates on a pay-as-you-go model, converting capital expenditures (CapEx) into operational expenditures (OpEx).

- Statistic: A report by Deloitte found that companies moving to the cloud can reduce IT operational costs by up to 30%.
- Example: When Netflix transitioned to the cloud, they avoided the high costs of building and maintaining their own data centers, which allowed them to invest more in content creation.

Elimination of Maintenance Costs

In an on-premise environment, ongoing maintenance costs include hardware replacements, software updates, and system downtime. Cloud providers handle these responsibilities, significantly reducing the burden on internal IT teams.

Key Benefits:

- Reduced hardware replacement cycles
- Lower energy consumption and cooling costs
- Minimized IT staffing for infrastructure maintenance

*Deloitte: "Cost Benefits of Cloud Migration" (2023)

REASON 2: SCALABILITY AND FLEXIBILITY

On-Demand Scalability

Cloud platforms allow businesses to scale their resources up or down based on demand. This elasticity is critical for businesses with fluctuating workloads, such as e-commerce companies during peak shopping seasons.

- Statistic: According to Flexera's 2023 State of the Cloud Report, 72% of organizations cite scalability as a primary reason for cloud adoption.
- Example: During Black Friday, retailers like Walmart leverage cloud scalability to handle sudden spikes in traffic, ensuring a seamless customer experience without over-provisioning resources.

Global Reach

Cloud providers offer data centres across multiple regions, enabling businesses to deploy applications closer to their customers for improved performance and reduced latency.

Key Benefits:

- Instant scalability without physical infrastructure
- Global availability and reduced latency
- Support for remote and hybrid work models

*Flexera: "State of the Cloud Report" (2023)

REASON 3: FASTER TIME TO MARKET

Rapid Deployment

Cloud environments enable businesses to deploy applications and services much faster than on-premise solutions. With pre-configured services and infrastructure, cloud platforms eliminate the need for lengthy setup processes.

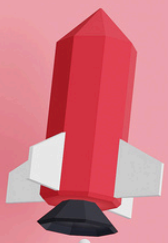
- Statistic: A McKinsey report indicates that companies adopting cloud services reduce their time to market by up to 20%.
- Example: A leading financial services firm cut its product launch time from six months to two months by leveraging cloud-based development and testing environments.

Innovation Enablement

Cloud platforms provide access to cutting-edge technologies, such as artificial intelligence (AI), machine learning (ML), and Internet of Things (IoT) services. This accelerates innovation by allowing companies to experiment and deploy new solutions without the need for complex infrastructure.

Key Benefits:

- Faster development cycles
- Access to advanced tools and services
- Enhanced competitive advantage



*McKinsey: “Accelerating Time to Market with Cloud” (2023)

REASON 4: IMPROVED SECURITY AND COMPLIANCE

Advanced Security Measures

Leading cloud providers invest heavily in security, offering features such as encryption, identity and access management (IAM), and advanced threat detection. These capabilities often exceed what most organisations can implement on-premise.

- Statistic: According to a report by Palo Alto Networks, 94% of organizations believe that cloud adoption has improved their overall security posture.
- Example: A healthcare company was able to meet strict HIPAA compliance requirements by migrating to a cloud provider with built-in compliance certifications.

Shared Responsibility Model

Cloud providers operate on a shared responsibility model, where the provider secures the infrastructure while the customer manages access controls and data protection. This model allows organizations to focus on securing their applications and data.

Key Benefits:

- Enhanced data security and encryption
- Built-in compliance with industry standards (e.g., ISO, SOC, HIPAA)
- Regular security updates and patch management

*Palo Alto Networks: "Cloud Security Insights" (2024)

REASON 5: BUSINESS CONTINUITY AND DISASTER RECOVERY

Built-In Redundancy

Cloud providers offer redundancy across multiple data centers, ensuring high availability and minimizing the risk of downtime. This level of redundancy is difficult and expensive to achieve with on-premise infrastructure.

- Statistic: A survey by IDC found that 90% of organizations using cloud services reported improved disaster recovery capabilities.
- Example: After a major outage, a global logistics company was able to restore operations within minutes thanks to its cloud-based disaster recovery solution.

Automated Backups and Recovery

Cloud services often include automated backup and recovery options, reducing the complexity and time required to restore critical systems in the event of a failure.

Key Benefits:

- High availability and uptime
- Faster recovery times
- Reduced risk of data loss

*IDC: “Cloud and Disaster Recovery” (2024)

Conclusion

The transition from on-premise to the cloud offers undeniable advantages, including cost efficiency, scalability, faster time to market, improved security, and better business continuity. As businesses continue to embrace digital transformation, cloud adoption will remain a key strategy for staying competitive in an increasingly dynamic marketplace.

For organisations considering this move, investing in proper cloud training and upskilling their workforce is crucial to ensuring a smooth and successful transition.

Next Steps

- Assess your current IT infrastructure and identify workloads suitable for migration.
- Choose the right cloud provider based on your business needs.
- Invest in cloud training and certifications for your IT teams.
- Develop a phased migration strategy to minimise disruptions.

By understanding the key drivers and preparing accordingly, your organisation can unlock the full potential of cloud computing and gain a significant competitive edge.

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LEARNING PLAN FOR MIGRATING TO THE CLOUD WITH MICROSOFT AZURE

Migrating to the cloud involves a strategic approach and a solid understanding of the tools and services provided by cloud platforms. For businesses and IT professionals looking to migrate using Microsoft Azure, a structured learning plan can ensure a successful transition.

MASTER THE BASICS

New to the Cloud or new to Azure
Azure Fundamentals: AZ-900

IMPLEMENT

Implement, manage and monitor cloud solutions
Azure Administrator: AZ-400

ADDITIONAL PATHS FOR ROLES AND PROJECTS

Implement and manage secure cloud solutions
Azure Security Engineer: AZ-500

Implement and manage networking solutions
Azure Network Engineer: AZ-700

Manage SAP solutions on Azure
Azure for SAP workloads: AZ-120

By investing in training, IT professionals can build the necessary skills to support a successful migration to Microsoft Azure and continue to manage and optimise their cloud environment effectively.

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AZURE CERTIFICATIONS FOR IT PROS

Azure Administrator Associate

Azure Administrators implement, manage, and monitor an organisation's Microsoft Azure environment.

Azure Security Engineer Associate

Azure Security Engineers implement security controls and threat protection, manage identity access, and protect data, applications and networks in cloud and hybrid environments as part of an end-to-end infrastructure.

Azure Network Engineer Associate

Azure Network Engineers plan, implement and maintain Azure networking solutions.

Choosing the right training partner

When choosing a training partner to support your learning, companies should consider expertise in major cloud platforms and ensure the partner offers accredited, up-to-date courses. Look for flexible delivery methods (in-person, virtual, hybrid), hands-on labs, and role-based learning paths. Ensure your training provider offers:

- Courses delivered by Microsoft Certified Trainers
- Courses delivered with Microsoft Official Content
- Courses delivered residential, City Centre and Online
- Study faster with Lecture | Lab | Review
- Pass Guaranteed

Microsoft Solutions Partner
Microsoft Cloud
Training Services

Ready to start your training journey?

If you're on your migration journey talk to a Firebrand advisor to discuss your learning plan to support with a smooth transition. Our experts can guide you through every step of the process, from assessing your current infrastructure to planning your migration and obtaining the necessary cloud certifications.

Contact us today to accelerate your cloud transformation!

Visit: https://firebrand.training/uk/who-are-firebrand/train-your-team