Microsoft

Cloud Migration:
A Guide to Building Resilience
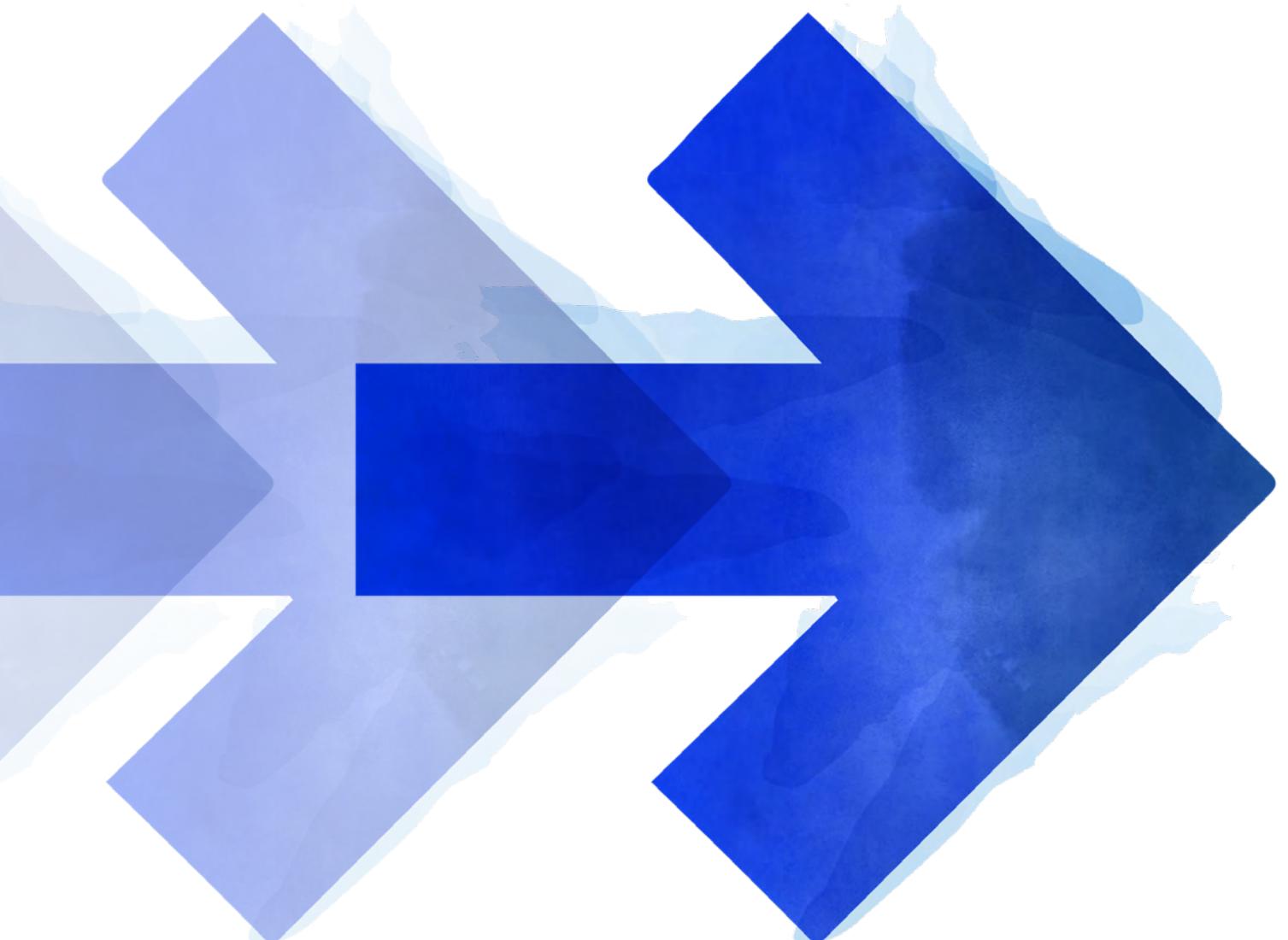
Explore cloud migration goals

Get practical advice and resources for achieving resilience through cloud migration

With the sudden transition to all-remote work and customer experiences, even organisations who've begun cloud adoption are facing scale and budget constraints to meet these new demands. And organisations who haven't yet made significant cloud investments now need help to do so quickly.

Whether your organisation is new to the cloud, cloud-native or somewhere in between, this guide provides practical advice and resources for achieving your resilience goals through cloud migration – even if you keep some of your resources on premises.

Optimise IT costs and migrate with confidence

Improve operational efficiencies and reduce costs through best practices, expert help and shifting to an OPEX IT model.

Questions to consider	Recommended activities
1. Should I shift my investment model from CAPEX to OPEX to address my budget and resourcing challenges?	Calculate how much you'd save by no longer needing to purchase and maintain new on-premises servers.
2. How do I make the most of my existing investments as I make the shift to the cloud?	Look into offers to bring existing on-premises investments, such as Windows and SQL Server licences, to the cloud.
3. How do I optimise costs as I plan and prepare for my cloud migration?	Right-size your cloud environments and pay in advance for predictable workloads for short-term and long-term gains.
4. How do I ensure operational efficiencies during and after migration?	Use specialised migration and cost management tools to minimise downtime and control spending.
5. What are my options to get expert help for my migration?	Work with your cloud provider or a partner for guidance and best practices based on your unique needs.

→ Get started with these resources:

- Find expert help with the Azure Migration Programme and FastTrack for Azure.
- Learn how to manage and optimise costs.
- Reuse Windows and SQL Server licences on Azure at no cost.
- Get free tools and services.

Stay secure and maintain resilience across hybrid environments

Empower your security team to better protect employees, customers and resources with intelligent tools and a secure platform – from anywhere.

Questions to consider	Recommended activities
1. How do I ensure a strong security posture for my organization on the cloud?	Use a resilient cloud platform and enable high availability, disaster recovery and backup capabilities on workloads.
2. How do I stay ahead of security threats?	See and stop threats before they cause harm using cloud-native SIEM and an AI-driven security analytics tool.
3. How do I secure and protect my apps, infrastructure and data?	Turn on automated security protections and monitor your cloud and hybrid environments using a security dashboard.
4. How do I make my operations resilient in the event of unexpected challenges?	Use a trusted cloud platform and specialised tools for monitoring and securing apps, databases and networks.
5. How do I organise and control my resources across on-premises, cloud and edge locations?	Use a tool that allows you to manage and govern resources across hybrid environments from a single control plane.

→ Get started with these resources:

- Explore Azure security and reliability.
- Use intelligent security analytics and manage the security of hybrid workloads in a single view.
- Manage edge, on-premises and cloud environments with Azure Arc.

Scale your apps and infrastructure on demand

Instantly scale your resources up and down based on your needs and budget.

Questions to consider	Recommended activities
1. How do I make my infrastructure scale to meet sudden capacity needs?	Consider moving to fully managed app and database services that scale on demand.
2. How do I scale my web apps to meet sudden traffic spikes?	Explore migrating your apps to a fully managed Platform-as-a-Service (PaaS).
3. How do I free up my IT workers to focus on higher value work?	Adopt managed cloud infrastructure to allow IT professionals to focus less on maintenance and more on productive work.

Get started with these resources:

- Use Infrastructure-as-a-Service (IaaS) for every workload.
- Explore autoscaling options for IaaS.
- Migrate, build and run scalable apps using a managed app service or Azure SQL.

Build resilience on the cloud

Resilient cloud infrastructure enables faster responses to sudden challenges – and opportunities. Moving from a less flexible CAPEX IT model to a more flexible OPEX model provides significant short-term and long-term security, technical, operational and financial benefits.

In the short term, even a partial migration provides immediate new capabilities in scalability, security, data management and disaster recovery. Plus, organisations are still able to get value from their on-premises infrastructure. In the medium and long term, migration puts organisations in a much better position to pivot and scale quickly by allowing them to free up cash and change their technical capabilities almost instantly.

Get help planning and implementing your cloud migration, or get more information about any of the recommendations in this guide, through the Azure Migration Programme.

Contact us