The five pillars of Azure Best Practice
Welcome

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Why consider best practices?

• It’s easy to start creating Azure solutions, but getting Azure right is another matter
• Fast rate of change and innovation = benefits and challenges

What can you do about this?

• Have some cloud principles – apply these to everything you do
• Follow best practices at all stages of your cloud lifecycle
Underpinning principles and best practices

Plan/Design
- Strategy, design & planning

Build/Migrate
- Migration
- App Modernisation
- App Development
- Integration services

Run/Optimise
- In-life managed services
- Cloud Optimisation

Azure Best Practices
- Cloud Principles
KCOM cloud principles

Application down
Not infrastructure up

Design for the cloud
Go native

Secure
By design

Agile
Adaptive designs

Automate
Repeatability
### KCOM Azure Best Practices

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Automate, automate, automate

- Automate deployments
- Automate operations
- Automate responses to alerts

“Think big, start small, move fast”
Secure access to your infrastructure and apps

- Define clear roles – apply the principle of least privilege
- Use Azure RBAC for infrastructure access
- Integrate your applications with Azure Active Directory
- Integrate with your on-prem Active Directory tenant
- Manage access keys
Resiliency, be strategic

• Understand your business requirements
• How much downtime is acceptable to your organisation?
• What will this cost your business?
• Drive your application and infrastructure design from these requirements

“Don’t avoid failures, plan for them”
Scale your apps and infrastructure as one

- Design the application for scaling
- Apply scalability patterns
- Consider your data management
- Use Azure auto-scaling features
Avoid a WTF moment

- Aim to minimise the impact of the realisation phase
- Use tools to monitor costs and perform right-sizing
- Aim for visibility and cost transparency
- Use resource tagging so costs can be attributed
- Educate stakeholders to get the best out of Azure
In summary

- Consider best practice at every stage of your cloud journey
- Perform frequent reviews
- Prioritise review findings
Questions?

Find us at stand 18 or get in touch with one of our cloud experts at cloud.team@kcom.com