Microsoft

Measurable Value and Security of Workloads on Azure

About Atech and the Azure Well-Architected Framework

Atech is a Direct Microsoft CSP and Gold Partner in Cloud Productivity and Platform, Windows & Devices and Datacentre, delivering digital transformation, 24x7 Managed Support and Managed Security Services. Our strategic input enables our clients to create the next version of their business. As certified Azure experts, we follow the Azure Well-Architected Framework to deliver ongoing value, performance and security for our mid-market clients in a range of sectors from Financial Services, to STEM, and Energy.

Atech
atech.cloud

A Framework for Optimisation and Resilience

As the technology requirements of your business grow and change over time, deploying business-critical applications can increase complexity and overhead substantially. The Azure Well-Architected Framework is a set of Azure architecture best practices of five key principles on which we build and deliver great solutions and managed services at a simple, consumption-based pricing model.

What's included?

- Assessment for alignment with the Azure Well-Architected Framework - Timescale over a 2 week period

- Validation of operational excellence: ensuring key operational processes are executed in line with the framework; validation of workloads by certified Azure solution architects

- Cost and performance optimisation: right-sizing, reduction of spend and identification of areas of cost optimisation, balanced against business objectives and performance optimisation

- Reliability to ensure mission-critical systems can recover from incidents, and that disruption is mitigated. This includes testing and simulation

- Aligning with security best practice according to the Well-Architected Framework

See what customers are saying:

"Atech has shown us a way of using technology to smash our competition out of the park. By reinventing our business with a really good, modern system, we now have the tools to ensure better governance and greater control, so our data remains safe, and our business compliant, at all times."

- Finance Director, leading growth fund manager

The Microsoft Azure Well-Architected Framework pillars are the framework along which we effectively and consistently optimise your workloads for your specific business priorities. This ensures that recommendations and optimisations are relevant to your cloud journey and service requirements, and deliver the highest possible business value. Combined with Atech's technology strategy and our expert managed service, it means that not only do you get a highly customised service, but one which is built on a future-proof framework.

What is the Azure Well-Architected Framework?

Cost Optimisation: Managing costs to maximise value

When we design, provision, and monitor your cloud solution, we focus on generating incremental value from the start. The principles and methodologies we apply focus on speed to market and aim for scalable costs on a consumption basis. With the right strategy and architecture, you scale out when ready. We consider your industry and any first mover or first follower advantages versus risks. We listen to your business' strategic objectives and align your cloud solution and service with these objectives across design, provisioning, monitoring and ongoing optimisation, as well as considering any potential tradeoffs.

Operational Excellence: Processes that keep systems running in production

Our deployments are reliable and predictable, giving our customers a roadmap and visibility of the phases of the plan. We have a set of defined operational excellence disciplines which we follow, automating parts of the deployment otherwise liable to human error. To fully realise deployment optimisation, reduce configuration effort, and be able to deploy full environments, one option we refer to is infrastructure as code. These deployment principles are routine for us and for our clients it translates as speed, accuracy and repeatable infrastructure whether provisioning virtual machines, databases, or other cloud services on demand and globally.

Performance efficiency: Fast adaptation to changes in load

Performance efficiency is the ability of your workload to scale to meet the demands placed on it in an efficient manner, with right-sizing in order to take advantage of scalability. An important consideration in achieving peak efficiency is to consider application scalability and to implement PaaS offerings with built in scale. Services covered by Azure Autoscale can scale automatically to match demand. Performance efficiency impacts the entire architecture spectrum so ensure that you bridge the gaps in your performance efficiency by working with Atech's team of certified Azure architects.

## Reliability: Mitigate, identify, respond and recover

We define your requirements and assess using the tenets of the Microsoft Azure Well Architected Framework to ensure we implement practices that meet these requirements, identify failure pain points and minimize the scope of failures. We test with simulations and trigger forced failovers, to test both detection and recovery. Azure services are built for resiliency including high availability and disaster recovery, to avoid single points of failure, and ensure that there are no services that are dependent on a single logical data centre.

Security: Protecting applications and data from threats

The security aspect of your cloud architecture provides confidentiality, integrity, and availability of assurances against deliberate attacks and abuse of your valuable data and systems. We conduct security baseline reviews and follow the security tenets of the Microsoft Well-Architected Framework. By combining our methodologies and baseline assessment with full utilisation of the native security features within your Azure platform and Microsoft apps, we have created a highly customised managed security service. With a $1B+ investment in security R&D and 3,500 cybersecurity experts, security is foundational for Azure, and it is foundational for Atech and our customers.
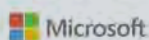
Microsoft Azure is an ever-expanding set of cloud computing services to help your organisation meet its business challenges. With Azure, your organisation has the freedom to build, manage, and deploy applications on a massive, global network using your preferred tools and frameworks. By partnering with Atech for the design, implementation, management and optimisation of your cloud, you will drive ongoing value and performance from your technology investment.

Contact us to learn more.

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