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# SixPivot

SixPivot Cloud Native Development Proof of Concept (PoC)  
The Modern Way to Develop Software

# Cloud Native Development



Leveraging years of experience in effectively utilising the cloud for global and cost-effective application scaling, SixPivot specialises in guiding organisations towards a cloud-first approach. Our expertise extends to assisting in the creation of new products tailored for the cloud and developing strategies for successful migrations from on-premise or hybrid platforms. Embracing cloud-native development practices, including DevOps, continuous delivery (CD), and continuous integration (CI), we empower developers to rapidly build scalable, agile, flexible, and resilient applications. With our Cloud-native Development offering, we collaborate to identify and modernise applications on Azure's cloud-native technologies, employing the Azure Well-Architected Framework and agile practices. Our commitment to building immediately usable and future-supported solutions aligns with our ethos in software engineering and DevOps culture. Harnessing the power of Azure's cloud-native solutions, we enable our clients to reduce costs, respond efficiently to evolving opportunities, and accelerate app innovation.

## ACCELERATED INNOVATION & TIME TO MARKET

When organizations don't have to devote as much time and resources to maintaining apps and infrastructure, they can spend more time innovating. Cloud-based tools and services further help to streamline the development process, resulting in faster time to market.

## SECURE & RELIABLE

With a cloud-first approach, organizations can use built-in updating and security capabilities to help safeguard their workloads. Other built-in features can include task automation for important things like high availability, disaster recovery, backups, and performance monitoring.

## COMPATIBILITY & AGILITY

The advantage of modernising apps isn't just that they'll be able to work with the most current technology—they'll keep working even as the technology evolves. This seamlessness allows for quick updates and changes to meet current and future business needs. It can also enable automatic scaling so that apps continue to work well when there are sudden increases in demand—and to instantly reduce costs when there are sudden decreases in demand.

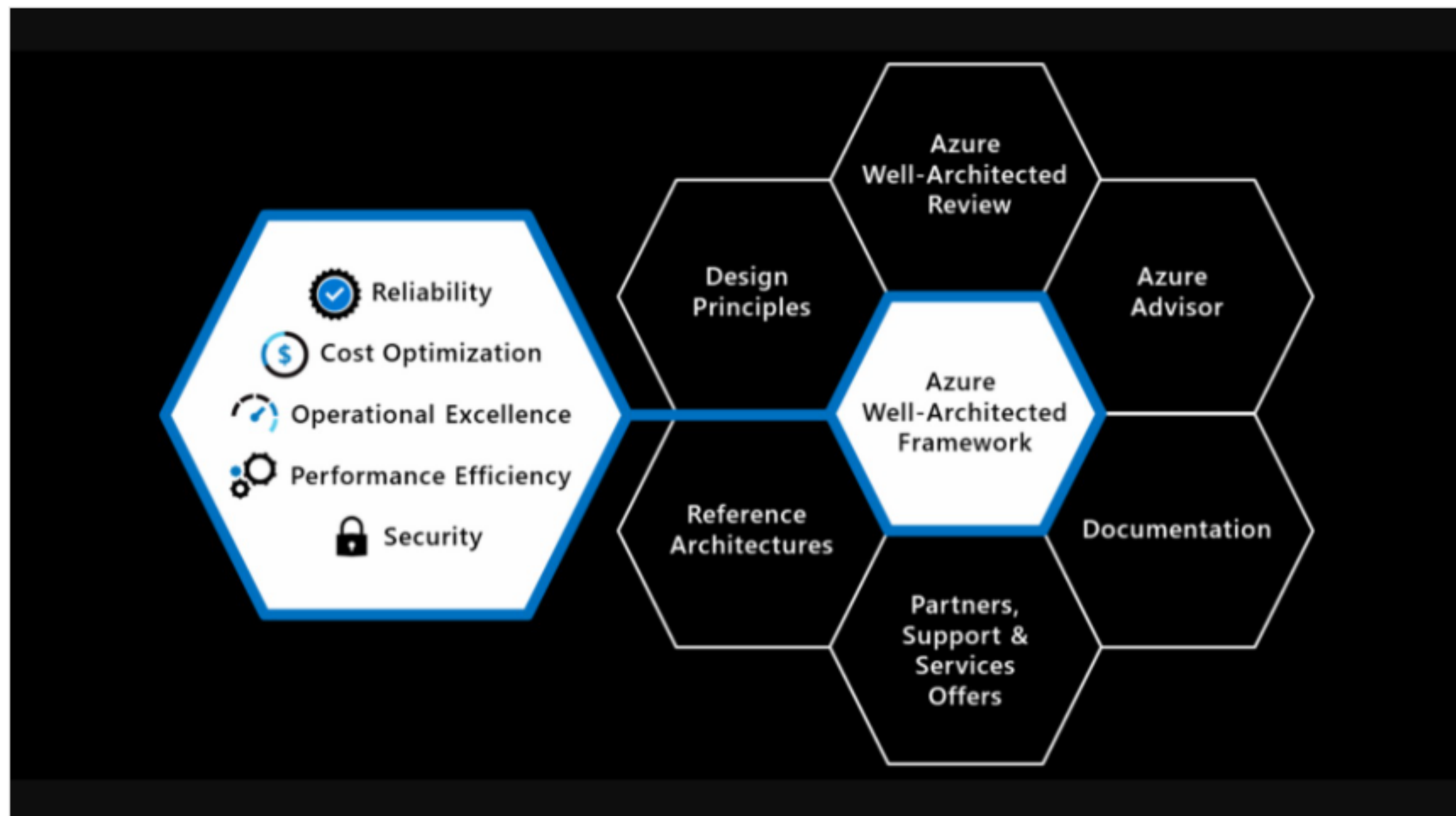
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# Azure Well-Architected Framework - WAF

The following diagram is a high-level overview of the Azure Well-Architected Framework:



SixPivot anchors its Cloud-Native development on the Azure Well-Architected Framework (WAF), a foundational set of guiding principles designed to enhance workload quality. The WAF encompasses five pillars of architectural excellence:

- Reliability, ensuring system recovery from failures;
- Security, safeguarding applications and data from threats;
- Cost optimisation, managing costs for maximum value;
- Operational excellence, maintaining efficient system operations;
- and Performance efficiency, ensuring adaptability to changes in load.

Integrating these pillars results in a robust, stable, and efficient cloud architecture.

# Cloud Native Application Development PoC Overview:

In our Cloud Native Application Development PoC, we collaborate with you to assess and identify opportunities for cloud-native development using Azure services. The engagement involves:

MILESTONE	DETAIL
Review & Selection	Evaluate existing applications for migration. Define the target state for app service migration.
Dependency Analysis	Review dependencies of the existing application.
Optimisation Opportunities	Identify software changes for more effective use of Azure Services.
Solution Architecture Design	Create a solution architecture design for migration.
Proof of Concept	Undertake proof of concept to validate high-level concepts.
Migration Process	Migrate source code to Azure DevOps or GitHub. Configure CI/CD build and deployment pipelines.
Deployment	Deploy the target application and database to Azure using pipelines.
Knowledge Transfer	Collaborate with your team to ensure understanding and ongoing support.
Roadmap	Provide an Application Migration Strategy roadmap for future migrations.

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## The 12 Day PoC

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