

Protect your cloud workloads with Secure Cloud Shield

Embed the Microsoft powered security guardrails to secure your cloud workloads and applications.

The challenge

Cyber security must become a business enabler. Digital transformation on cloud services has increased. Managing security posture and compliance of the cloud estate will remain a priority even as cyber security budgets and portfolios become more constrained and cloud services add to the scale and complexity.

How do my cyber risks and regulatory frameworks apply to my cloud estate?

Where are my security control gaps in my cloud estate and how do I address them?

How can I measure and monitor the security status of my cloud estate?

How do I improve my security posture and compliance over time?

How can I minimise the cyber security cost and business impact to my organisation?

Our solution

Secure Cloud Shield combines Microsoft's security technologies with our knowledge and client experience of security controls, compliance and management to deploy the security services and guardrails for your cloud estate, allowing you to:

1 Identify the threats beyond the regulatory

Identify the threats and threat actors most likely to target your organisation based on your critical assets and the threat landscape, and determine key improvements to counter these.



Threat scenario mappings based on MITRE ATT&CK framework



Threat intelligence reporting with detailed information on techniques

2 Validate and align controls for the cloud

Update your policies and controls leveraging our frameworks. Go beyond the areas of control that your suppliers and vendors provide to gain the coverage required for your organisation.



NIST (Enhanced by PwC) Controls mapped to Azure Policy



SOX Controls mapped to Azure Policy

3 Define your future cloud security architecture

Apply PwC's cloud security reference architecture to provide a comprehensive view of cloud and on-premise security capabilities, comparing leading cloud provider services against best of breed vendors to select the optimal mix of cloud security solutions.



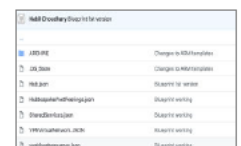
PwC Cloud Security Technology Reference Architecture

4 Secure configuration as code

Link your Azure Blueprints and ARM templates to the key Azure security services, all traceable back to your policy and controls framework for ease of compliance and security posture management.



Azure Blueprints




Azure ARM templates



Client Success: FTSE 100 Bank

Client need	How we helped	Impact
<ul style="list-style-type: none"> The client had several manually operated security controls presenting gaps and challenges. They had invested in cloud technology for data analytics and digital transformation. Alongside the digital transformation, they wanted to improve operational and cyber resilience. 	<ul style="list-style-type: none"> We assessed and redesigned the security controls to use Microsoft technology, including Sentinel and Security Center. We collaborated with business stakeholders, architects and developers to embed Microsoft security services into business and DevOps processes. 	<ul style="list-style-type: none"> We defined the logical and physical security patterns for their Azure estate aligned to their policies and controls. Key Microsoft Azure security services were configured and deployed to streamline security operations alongside our recommendations to optimise their security operations teams.

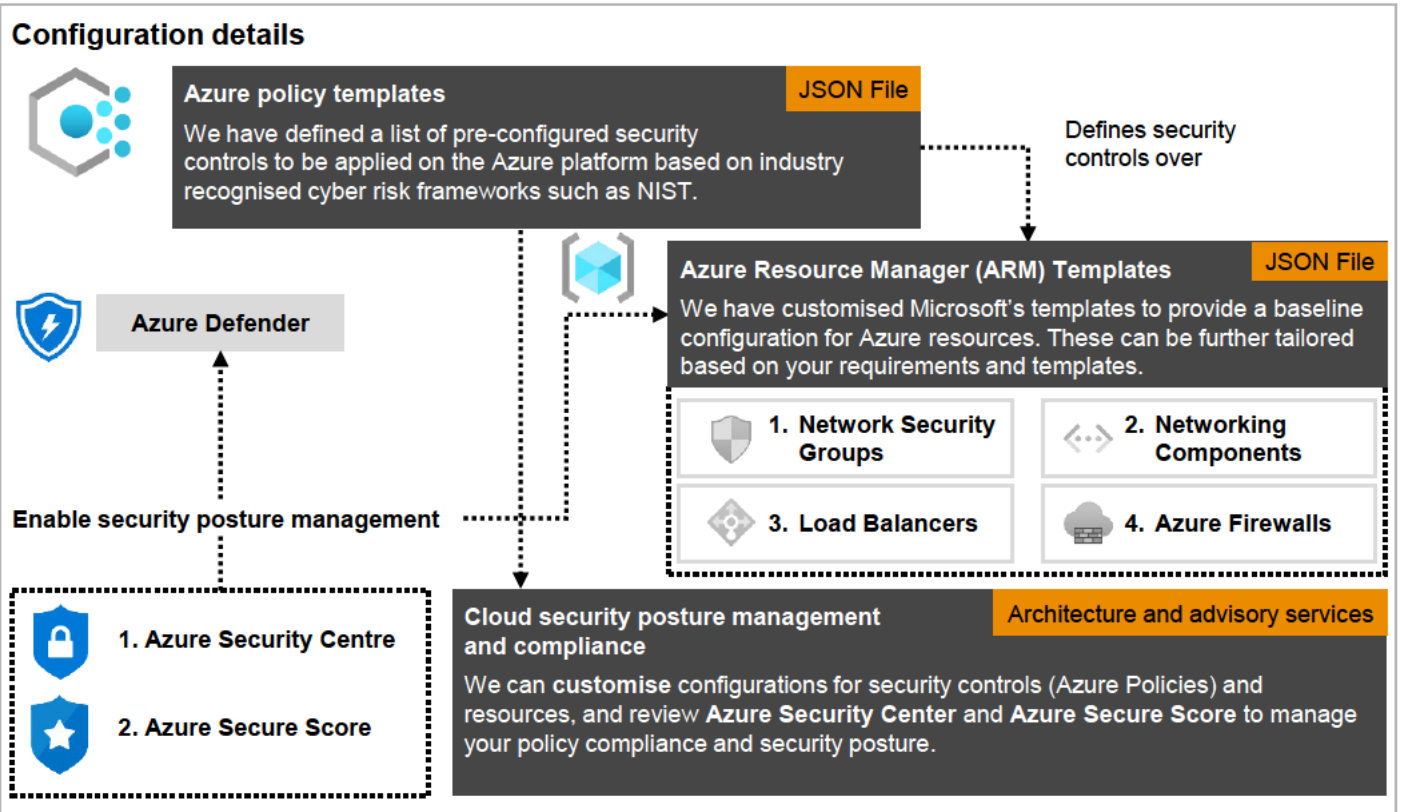
Secure cloud shield components and services



Azure platform blueprint

We have created a pre-configured Azure platform architecture that sets up some baseline resources, defines how these resources interact with each other and applies selected security controls onto the environment.

JSON File



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