



Wragby Multi-Cloud and Hybrid Security (wMCHS)

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Our service leverages a state-of-the-earth suite of solutions and practices that speak to the security challenges that organizations face these days owing to the lack of visibility into security and compliance; increase in the number and level of sophistication of attacks; and mean time to respond to attacks.



Cloud security challenges



Our service is built on Microsoft Defender for Cloud which is a solution that is built to secure your critical cloud workloads running in Azure, and other cloud providers'. Many businesses are implementing multi-cloud architectures or strengthening their current ones. To effectively manage risks, you need also have a comprehensive view of the security posture of your architecture. A bird's eye view of your environment spanning your on-premises and cloud services like Azure, etc. is provided by Microsoft Defender for Cloud. Regardless of the environment or operating system, it gives you the opportunity to continuously monitor and enhance your security posture in addition to threat prevention.

Microsoft Defender for Cloud

Secure your official cloud workloads running on Azure and other cloud platforms

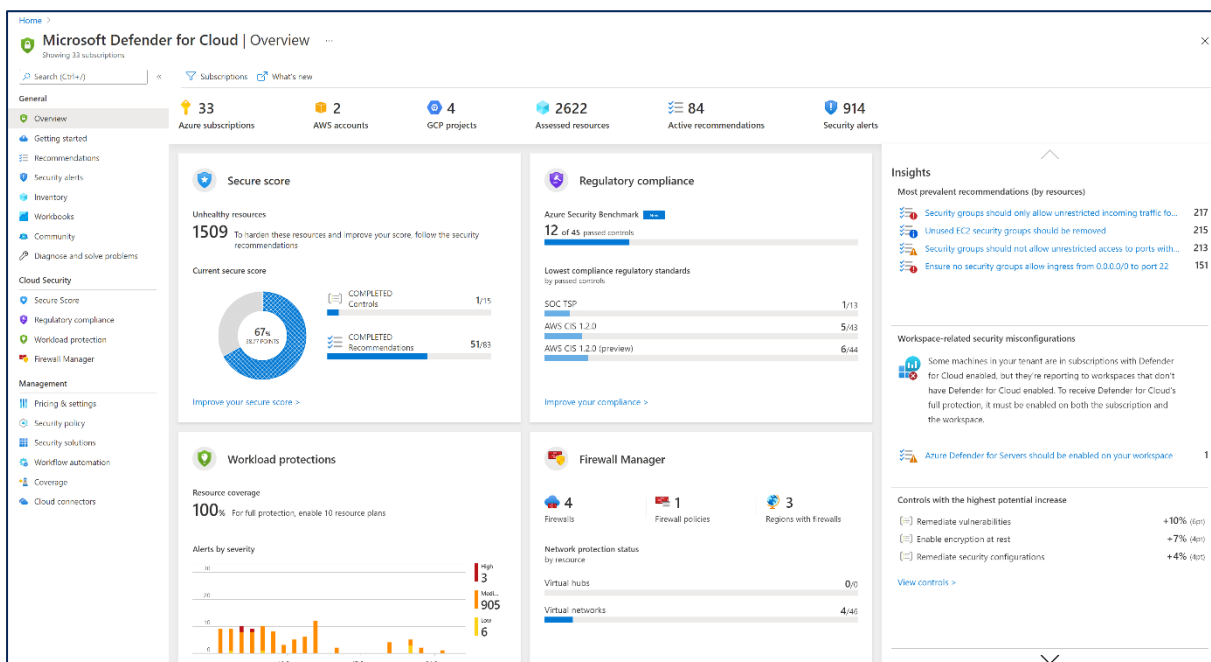


- Easy onboarding of multi-cloud accounts and native support for Azure
- Get a bird's-eye view of your security posture and vulnerabilities across clouds with secure score
- Assess and implement best practices for compliance and security in the cloud
- Protect clusters and workloads across cloud platforms
- Detect and block advanced malware and threats for Linux and Windows servers running in the cloud or on-premises

Microsoft Defender for Cloud is a solution for cloud security posture management (CSPM) and cloud workload protection (CWP) solution that identifies vulnerabilities in your cloud configuration, improves the overall security posture of your environment, and can shield workloads across multi-cloud and hybrid environments from evolving threats.

Microsoft Defender for Cloud

The Security Dashboard



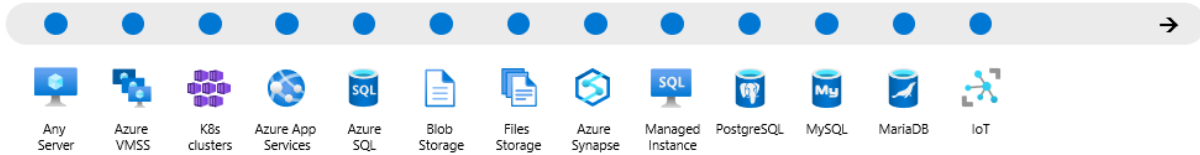
Sample Use Cases for Microsoft Defender for Cloud

Use Cases	Details	Microsoft Defender Capability
<p>Assess and visualize Security State of your rapidly changing resources on Azure, on-premises, and other clouds in their real time</p>	<p>Whilst we may have the best tools to secure our ecosystem, there have been a lot of compromises that have happened due to lack of visibility of assets, vulnerabilities, misconfigurations, and compliance with industry best practices. For example, WannaCrypt would not have happened if the patch MS-17-010 which was released 3 months before WannaCrypt created havoc was deployed on the systems.</p>	<p>Microsoft defender for Cloud assesses the security state of all your cloud resources including servers, storage, SQL, networks, applications, and workloads that are running in Azure, on-premises, and other clouds. Visualize your security state and improve your security posture by using Azure Secure Score recommendations</p>
<p>Visibility into Azure Network Topology and recommendations</p>	<p>It is important to understand how in Azure connect with each other, the allowed traffic between them, and getting insights and recommendations to improve your network security posture.</p>	<p>The interactive network map provides a graphical view with security overlays giving you recommendations and insights for hardening your network resources. Using the map you can see the network topology on your Azure workloads, connections between your virtual machines and subnets, and the capability to drill down from the map into specific resources and the recommendations for those resources.</p>
<p>Detection of Lateral/Persistent movements across Virtual Machines, App Services, Containers, Azure Resource Manager, Storage Accounts and Network Layer</p>	<p>Virtual Machines – PsExec execution, Windows registry persistence method, Suspicious Windows Scheduled Task Creation, Access of htaccess file, persistence attempt via startup scripts, suspicious remote file download, suspicious use of the useradd command on Linux, indicators associated with DDOS toolkit, New SSH key added, possible malicious web shell, potential overriding of common files</p> <p>App Services/Containers – Suspicious process name, suspicious file download, CoreDNS modification in Kubernetes, Creation of admission webhook configuration, new container in the kube-system namespace, New high-privileges role, Role-binding to the cluster-admin role, Suspicious request to the Kubernetes Dashboard</p>	<p>Comprehensive Threat protection against what is clearly a lot of different types of cloud resources as well as Azure service layers.</p>

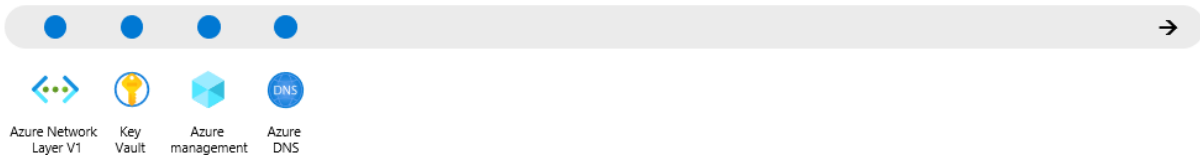
Comprehensive threat protection

Threat protection for cloud and hybrid workloads

Threat protection for common cloud resources



Threat protection for Azure service layer



How Does wMCHS Managed Advisory Service Deliver Value to Customers?

Wragby Business Solutions will utilize the Microsoft Solutions Framework (MSF) to deliver this project.

MSF organizes the solution approach into five distinct phases during the engagement lifecycle:

1. **Envision:**

Envisioning involves creating a business vision and defining the scope of work necessary to bring the vision to reality.

Table 1. Activities: Envisioning and Planning Phase

Phase	Key Activities
Envisioning and planning	Kick Off Engagement
	Joint session with Relevant Stakeholders
	Confirm Timelines and Expectations
	Establish Team Resources and Roles
	Environment Assessment and Checks

2. **Plan:**

Planning continues through the development of detailed system and application architectures, the user expectations for the solution, and a detailed project plan for the project.

Table 2. Activities: Planning and Design Phase

Phase	Key Activities
Planning and Design	Provide Conceptual Project High Level Solution Design
	Align on proposed solution, Scope, and Timeline

3. **Build:**

The Build phase involves the solution setup and configuration in alignment with set objectives and success criteria.

Table 3. Activities: Build Phase

Phase	Key Activities
Solution Setup and Configuration	The report of the environment assessment and readiness is examined critically to determine the scope of engagement in relation to deploying Microsoft Defender for Cloud and all the associated services.

4. **Stabilize:**

The Stabilization phase involves testing and acceptance.

Table 4. Activities: Stabilize phase

Phase	Key Activities
Stabilize deployment	Remediate and Stabilize Microsoft Defender for Cloud deployment Issues.

5. **Deploy:**

Depending on the Scope, in Deploying Phase, the team deploys the core technology and site components, and stabilizes the deployment.

Table 5. Activities: Deploy Phase

Phase	Key Activities
Deployment	<ul style="list-style-type: none">• Enable Defender for Cloud on your Subscription• Enable the enhanced security feature• Connect Hybrid and Multi-Cloud Resources• Implement security recommendations in Microsoft Defender for Cloud• Prevent misconfigurations with Enforce/Deny recommendations• Configure additional threat protections in Microsoft Defender for Cloud like WAF & Azure DDoS• Configure Auto Provisioning• Set up email notifications• Create auto-response to alert• Customize the set of standards in your regulatory compliance• Using Microsoft Defender for Cloud to identify active threats on targeted hybrid workloads• Demonstrating investigation and response to threats• Discovering vulnerabilities on existing Azure, hybrid and multi-cloud workloads and explaining how to reduce attack surface area

Why Wragby

Wragby Business Solutions and Technologies Limited is an elite Microsoft Partner headquartered in Lagos, Nigeria, West Africa. Coupled with our Gold Competency on the Microsoft Cloud and Productivity platforms and award as Worldwide Finalists for the Microsoft Enterprise Mobility plus Security category (year 2017,) and Cloud Compete (year 2018), Microsoft Country Partner of the Year (2020).

Our team of experienced consultants deliver exceptional cloud-based services and solutions, that can digitally transform our client's business.

Contact Us



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