Why You Should Secure Your Cloud with VMware Cloud Foundation

As cloud technology continues to grow in demand, security has become a top priority. In this article, we will delve into the security features of the VMware Cloud

Foundation and the latest advancements, designed to address your most pressing challenges while focusing on the strategic goal of ensuring security and resilience.

VMware Cloud Foundation offers comprehensive cyber resilience with integrated infrastructure hardening, ongoing compliance monitoring and remediation, strong distributed lateral security, and dependable cyber-recovery capabilities.

With VMware Cloud Foundation 5.2, these features are further strengthened, reinforcing VMware's commitment to safeguarding your cloud.

Security And Resilience In
VMware Cloud Foundation

Infrastructure Hardening
VCF includes security features that help **secure the underlying infrastructure**. This involves securing the hypervisor (vSphere), networking (NSX), and storage (vSAN) components from vulnerabilities and misconfigurations. Hardening typically means applying industry best practices to minimize risks.

Compliance Monitoring and Remediation
VCF has tools for **continuous monitoring of compliance with security standards and regulations** (such as PCI-DSS, HIPAA, and NIST). If any violations are detected, the platform provides **automated remediation** to address security issues and maintain compliance.

Distributed Lateral Security
VCF protects data and workloads by **implementing security policies across the entire network** and ensuring that lateral movement (unauthorized access or movement within the network) is prevented. VMware NSX, for example, provides distributed firewall capabilities that help enforce security policies across virtualized networks.

Cyber-Resilience and Recovery:
VCF includes tools for **disaster recovery and business continuity**, allowing for rapid cyber-recovery in the event of a breach or other security incident. This ensures that the platform can return to normal operations with minimal disruption.

Security Enhancement In
# VMware Cloud Foundation 5.2

Live VCF and ESXi Patching

VCF 5.2 introduces live patching capabilities, allowing you to **apply updates and security patches without disrupting system operations or productivity**. This ensures that your infrastructure remains secure and up-to-date, minimizing downtime while safeguarding against vulnerabilities.
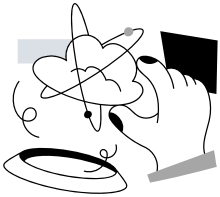
Flexible VCF Patching

VCF 5.2 offers greater control over patch schedules and deployments, enabling administrators to manage updates more proactively and efficiently. This **enhances system reliability and security** by allowing for timely, tailored patching that fits your operational needs.
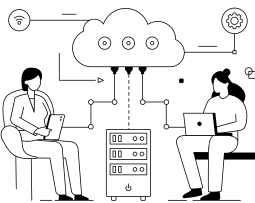
Dual DPU Support

With dual Data Processing Units (DPUs), VCF 5.2 **improves computational efficiency and workload management**, making high-performance data processing more accessible. This allows for better handling of resource-intensive tasks and improves the overall reliability and responsiveness of the infrastructure.

Advanced Security and Resilience

VCF 5.2 enhances security with redundancy and load balancing at the edge for **uninterrupted service, even during failures or traffic spikes**. vSAN data protection and Entra ID **boost access control**, while vDefend **strengthens ransomware defense**. On-Prem NDR and Avi Load Balancer i**mprove threat detection and management**, safeguarding against advanced cyber threats.

Why Partner With IGS for
VMware Cloud Foundation (VCF)

Personalised Approach To Meet Unique Needs

Each project is a unique blueprint, meticulously crafted with your specific goals, requirements, and challenges in mind.

Certified And Experienced Experts

Our team embodies the pinnacle of VMware proficiency, ready to personalise strategies to your needs.

VMware by Broadcom Premier Partner

This exclusive tier showcases our commitment to delivering world-class solutions to Malaysian enterprises, as a leading pioneer of VMware solutions for over two decades.
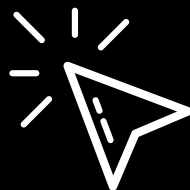
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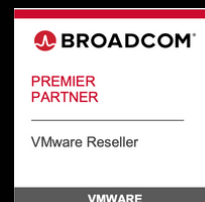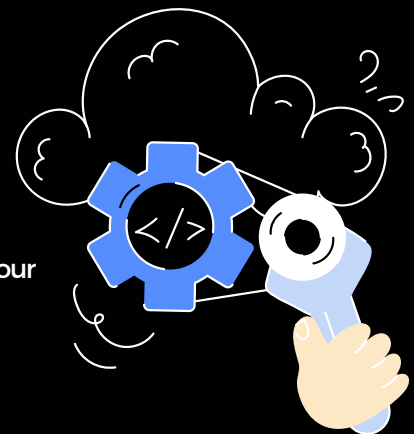
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