

Network Topology and Connectivity -Azure Cheat Sheet by haraldthegrey via cheatography.com/210542/cs/45408/

Network Architecture: Design Principles	Hybrid Ne	twork Infrastructure
□ Segmentation: Use VNets for workload separation different applications (web, database, API). □ Security: Apply NSGs for traffic filtering. □ Regional Architecture: Implement Availability Zo availability.	VPN Gate □ Firewa nnes for high □ Securit via Azure	ecture Components: On-Premises Datacenter linked via eway or ExpressRoute. Ils: Local security segmentation and Azure integration. by Mechanisms: Use Private Link for secure traffic; monitor Monitor.
Scalability: Design for automated scaling and mo		Network Infrastructure
Security Solutions and Standards		s: Select nearest Azure region to minimize latency; use
 □ Azure Firewall: Centralized access management Azure Sentinel. □ Network Security Groups: Control traffic via IP, page 15 for subnets and VMs. 	t. Integrates with multiple fo	or redundancy. bility Zones: Protect against datacenter-level failures. nentation: Keep security and network topology updated.
☐ Azure Private Link: Secure access via <i>private el</i>	ndpoints, isolated Best Pract	lices
from the public internet. Compliance Standards: ISO27001 and NIS² security policies.	☐ Monito	ring: Utilize Azure Monitor and Log Analytics for insights. es: Regularly revise policies per ISO27001 and NIS2
Network Connectivity: On-Premises Integration		
,		Architecture
VPN Gateway: Cost-effective secured connections bandwidth. ExpressRoute: Dedicated connection with high ban internet dependency. Scalability: Dynamic scaling with Azure Virtual WAI	dwidth and no Gateway. Redun	ctivity: On-Premises VPN Gateway ↔ Azure VPN dancy: Primary and Secondary Regions configured. ty: Azure Firewall and NSGs filter traffic.
extensions.		ns Overview
Key Metrics to Monitor	□ Use VI	PN for secure connections or <i>ExpressRoute</i> for dedicated
☐ Performance: Check bandwidth and latency for ExpressRoute.	both <i>VPN</i> and bandwidth	
☐ Usage : Analyze traffic patterns with <i>Azure Moni</i>	tor.	
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