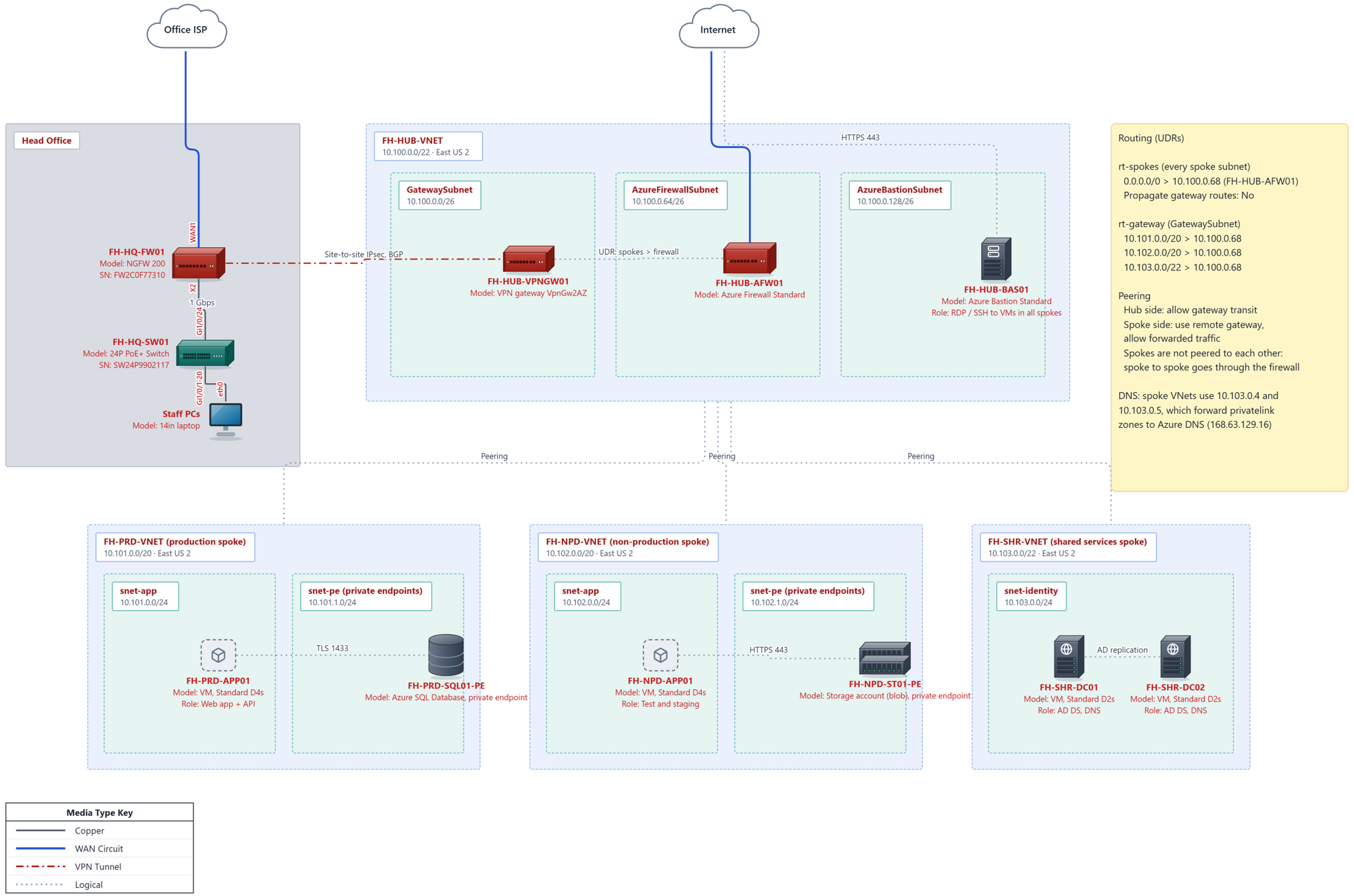

DOCUMENT **Fernhill Group - Azure Hub and Spoke Network** Fernhill Group · Azure East US 2; head office 40 Mill Lane, Springfield	SHEET TITLE **Hub and Spoke**	VERSION 1.0	LAST CHANGED 2026-11-25	VERIFIED	SHEET **1** of 5
		DRAWN BY	LAST EDITOR	APPROVED	

Device Inventory 14 devices

Hostname	Type	Vendor / model	Serial	Mgmt IP	Area	Location	Page
Internet	Internet						Hub and Spoke
Office ISP	ISP / Carrier						Hub and Spoke
FH-HUB-VPNGW01	VPN Gateway	Azure (managed service) VPN gateway VpnGw2AZ		10.100.0.4, 10.100.0.5	GatewaySubnet		Hub and Spoke
FH-HUB-AFW01	Firewall	Azure (managed service) Azure Firewall Standard		10.100.0.68	AzureFirewallSubnet		Hub and Spoke
FH-HUB-BAS01	Server	Azure (managed service) Azure Bastion Standard		10.100.0.132	AzureBastionSubnet		Hub and Spoke
FH-HQ-FW01	Firewall	Example Networks NGFW 200	FW2C0F77310	10.20.99.1	Head Office	Head office comms room, Rack 1, U10	Hub and Spoke
FH-HQ-SW01	Switch	Example Networks 24P PoE+ Switch	SW24P9902117	10.20.99.2	Head Office	Head office comms room, Rack 1, U8	Hub and Spoke
Staff PCs	Workstation	Example Computers 14in laptop			Head Office		Hub and Spoke
FH-PRD-APP01	Virtual Machine	Azure (managed service) VM, Standard D4s		10.101.0.4	snet-app		Hub and Spoke
FH-PRD-SQL01-PE	Database	Azure (managed service) Azure SQL Database, private endpoint		10.101.1.4	snet-pe (private endpoints)		Hub and Spoke
FH-NPD-APP01	Virtual Machine	Azure (managed service) VM, Standard D4s		10.102.0.4	snet-app		Hub and Spoke
FH-NPD-ST01-PE	Storage / NAS	Azure (managed service) Storage account (blob), private endpoint		10.102.1.4	snet-pe (private endpoints)		Hub and Spoke
FH-SHR-DC01	DC / DNS / DHCP	Azure (managed service) VM, Standard D2s		10.103.0.4	snet-identity		Hub and Spoke
FH-SHR-DC02	DC / DNS / DHCP	Azure (managed service) VM, Standard D2s		10.103.0.5	snet-identity		Hub and Spoke

Link / Cabling Schedule 13 links

Cable ID	End A	Interface	End B	Interface	Media	Speed	VLANs	Length	Test	Label / notes	Page
	Internet		FH-HUB-AFW01		WAN Circuit						Hub and Spoke
	Internet		FH-HUB-BAS01		Logical					HTTPS 443	Hub and Spoke
	Office ISP		FH-HQ-FW01	WAN1	WAN Circuit						Hub and Spoke
	FH-HQ-FW01		FH-HUB-VPNGW01		VPN Tunnel					Site-to-site IPsec, BGP	Hub and Spoke
	FH-HUB-VPNGW01		FH-HUB-AFW01		Logical					UDR: spokes > firewall	Hub and Spoke
	FH-HUB-VNET		FH-PRD-VNET (production spoke)		Logical					Peering	Hub and Spoke
	FH-HUB-VNET		FH-NPD-VNET (non-production spoke)		Logical					Peering	Hub and Spoke
	FH-HUB-VNET		FH-SHR-VNET (shared services spoke)		Logical					Peering	Hub and Spoke
	FH-PRD-APP01		FH-PRD-SQL01-PE		Logical					TLS 1433	Hub and Spoke
	FH-NPD-APP01		FH-NPD-ST01-PE		Logical					HTTPS 443	Hub and Spoke
	FH-SHR-DC01		FH-SHR-DC02		Logical					AD replication	Hub and Spoke
FH-C001	FH-HQ-FW01	X2	FH-HQ-SW01	Gi1/0/24	Copper	1 Gbps	10,99	1 m	Pass		Hub and Spoke
FH-D001-020	FH-HQ-SW01	Gi1/0/1-20	Staff PCs	eth0	Copper		10		Pass		Hub and Spoke

VLAN / Subnet Table 8 VLANs

VLAN	Name	Subnet	Gateway	DHCP scope / helper	Devices	Page
	AzureBastionSubnet	10.100.0.128/26	10.100.0.129	Azure-provided (static assignments)	1	Hub and Spoke
	AzureFirewallSubnet	10.100.0.64/26	10.100.0.65	Azure-provided (static assignments)	1	Hub and Spoke
	GatewaySubnet	10.100.0.0/26	10.100.0.1	Azure-provided (static assignments)	1	Hub and Spoke
	snet-app	10.101.0.0/24	10.101.0.1	Azure-provided (static assignments)	1	Hub and Spoke
	snet-app	10.102.0.0/24	10.102.0.1	Azure-provided (static assignments)	1	Hub and Spoke
	snet-identity	10.103.0.0/24	10.103.0.1	Azure-provided (static assignments)	2	Hub and Spoke
	snet-pe (private endpoints)	10.101.1.0/24	10.101.1.1	Azure-provided (static assignments)	1	Hub and Spoke
	snet-pe (private endpoints)	10.102.1.0/24	10.102.1.1	Azure-provided (static assignments)	1	Hub and Spoke

Data Stores 2 stores

Data store	Stores	Class.	Sensitive data	Encrypted at rest	Kept for	Region	Owner	Boundary
FH-PRD-SQL01-PE	Production customer data	Confidential	Personal info	Yes	PITR 14 days	East US 2	Engineering	
FH-NPD-ST01-PE	Test data and build artifacts	Internal		Yes	30 days	East US 2	Engineering	