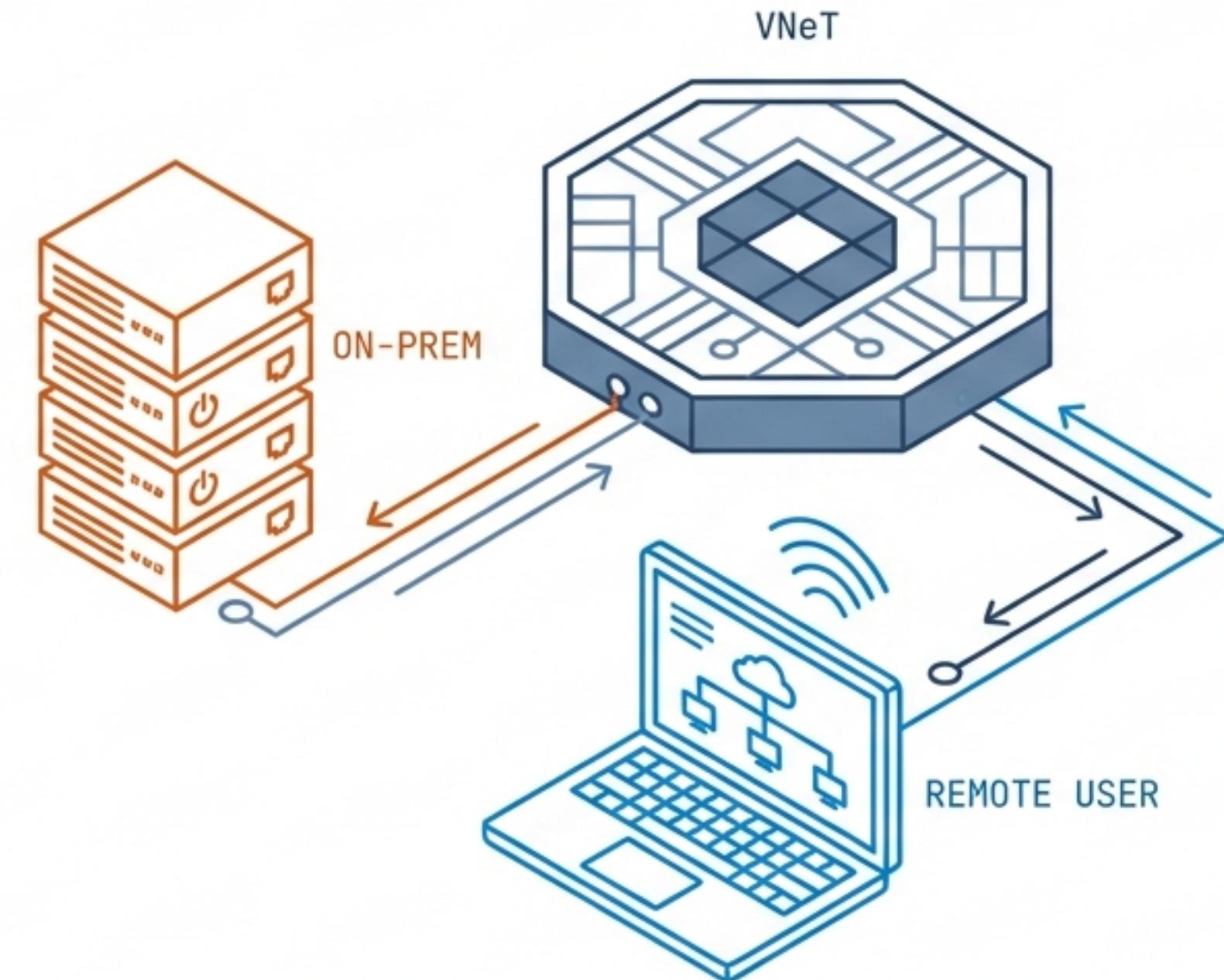


Azure Infrastructure Deployment

Aruba CPPM & VPN Gateway

Technical Analysis of ARM
Template Architecture: nf-hub



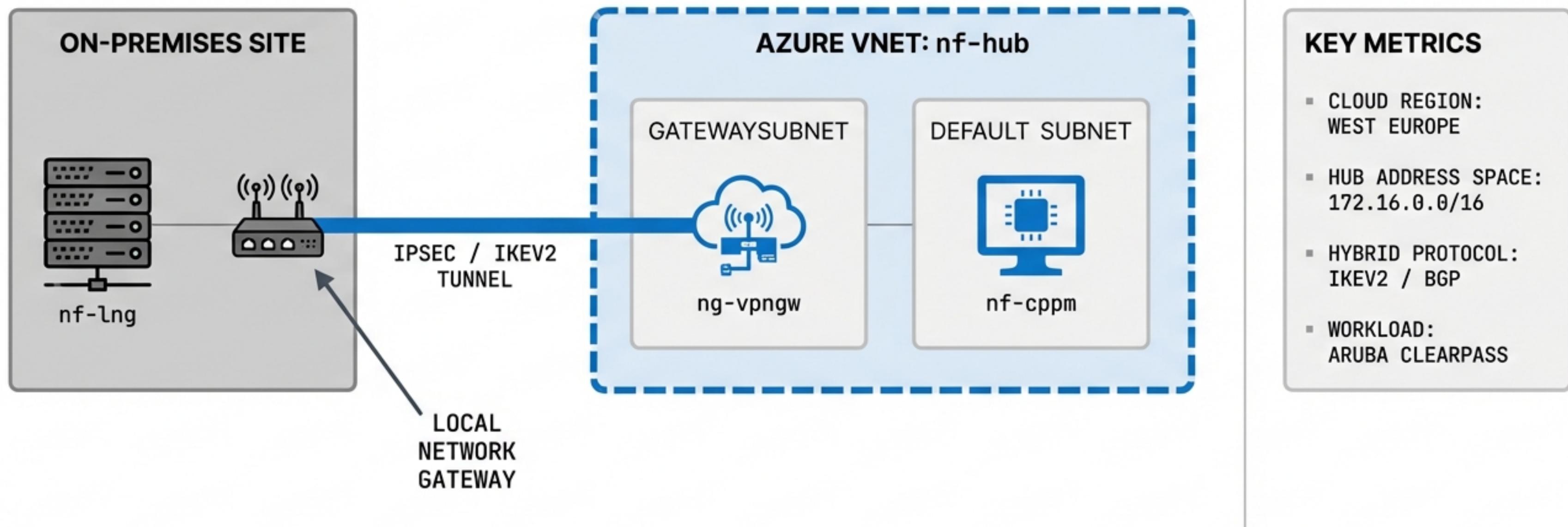
LOCATION: westeurope

TEMPLATE VER: 1.0.0.0

CREATOR: Nick Fennell

DEPLOYMENT: August 2025

ARCHITECTURAL TOPOLOGY: THE CONNECTED INFRASTRUCTURE

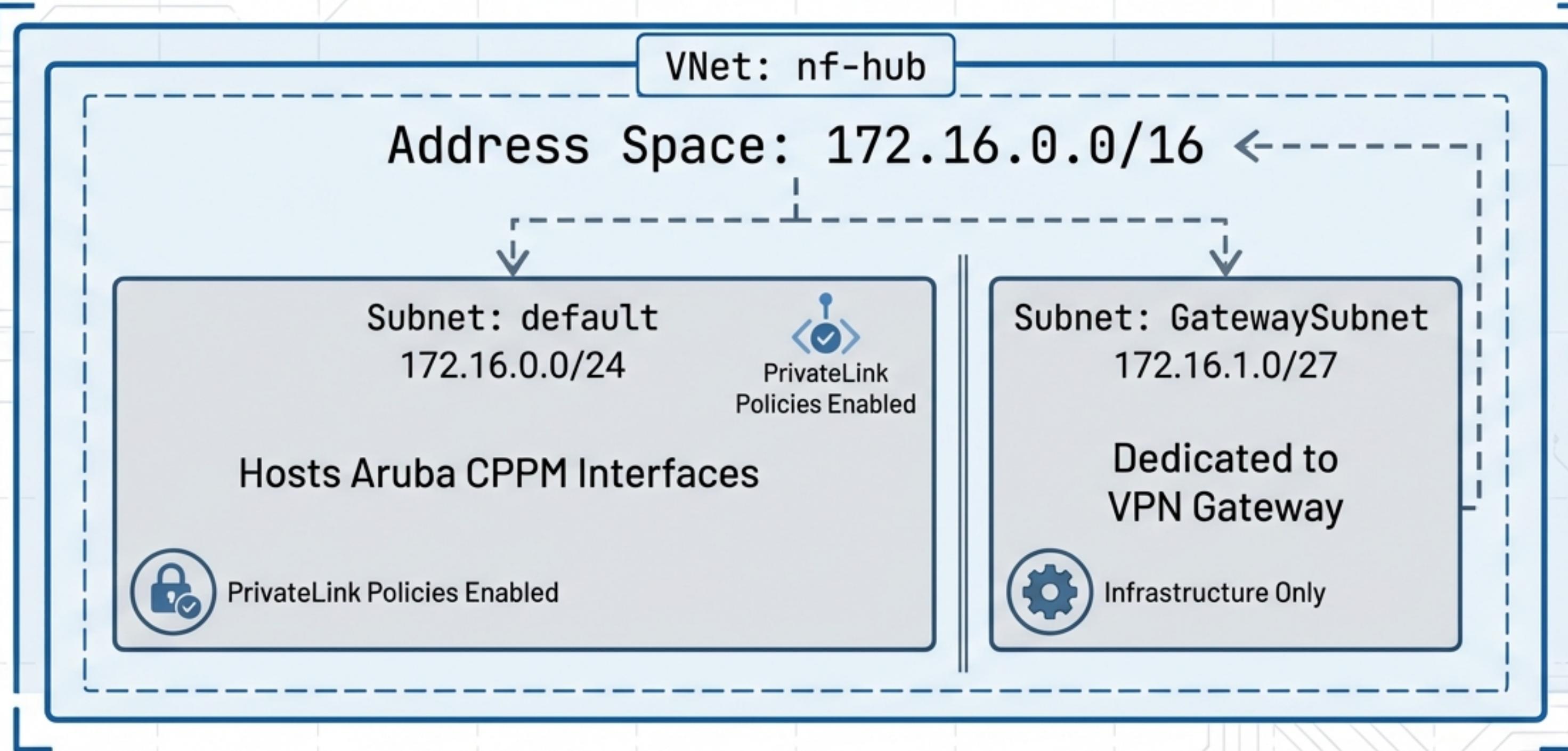
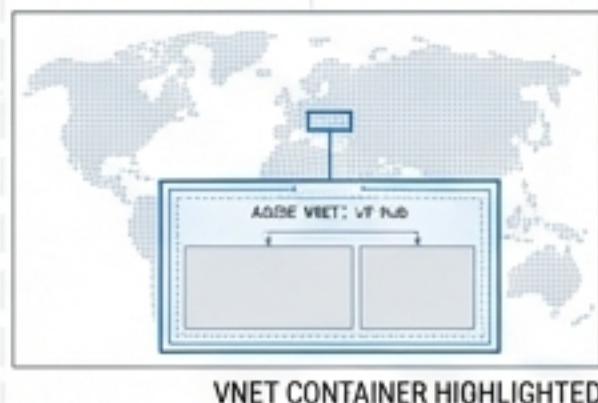


Deployment Parameters and Naming Conventions

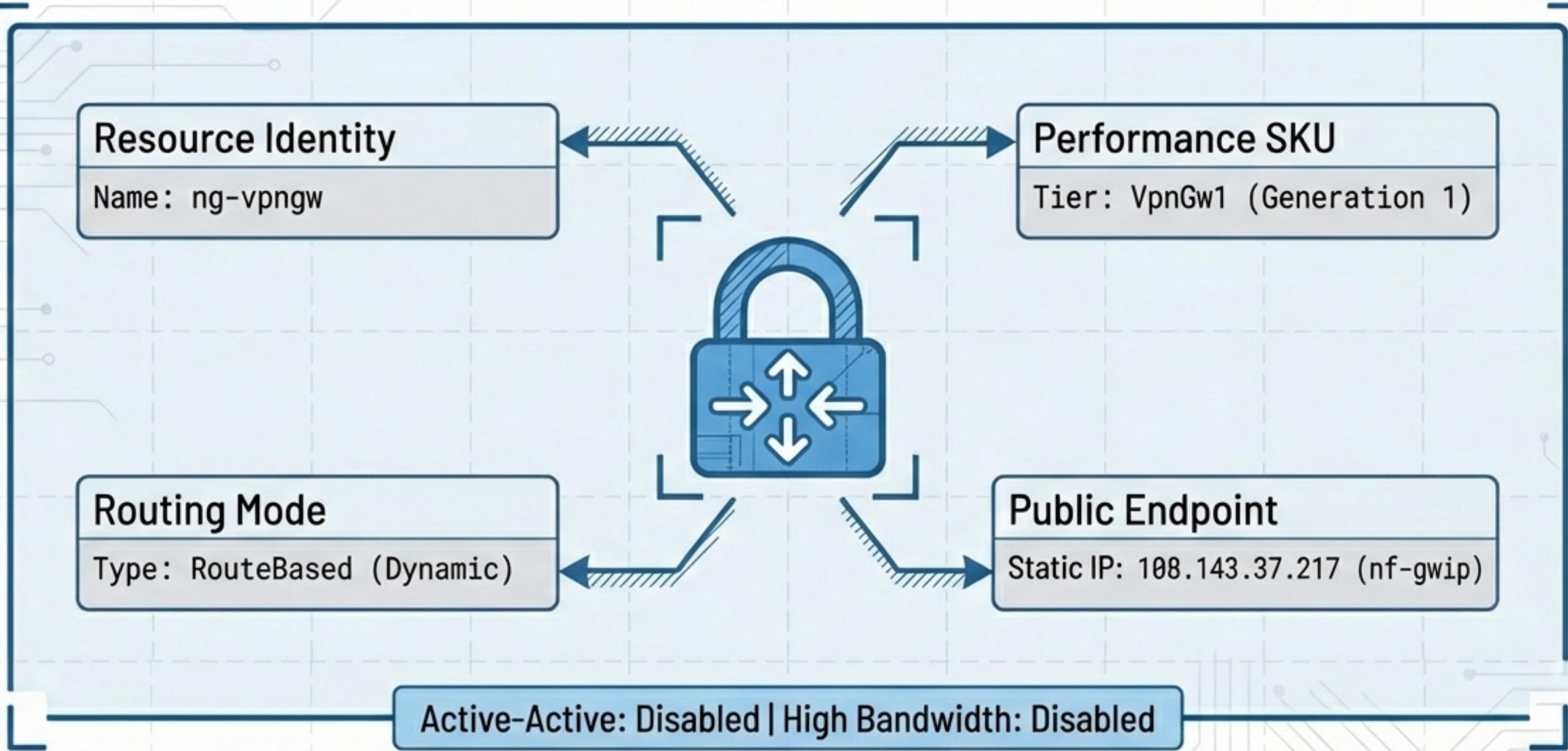
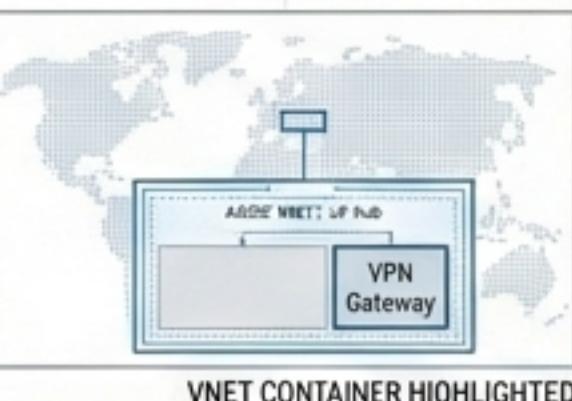
Resource Type	Variable Name	Value / Identifier
Virtual Network	virtualNetworks_nf_hub_name	nf-hub
Virtual Machine	virtualMachines_nf_cppm_name	nf-cppm
VPN Gateway	virtualNetworkGateways_ng_vpngw_name	ng-vpngw
Public IP (Gateway)	publicIPAddresses_nf_gwip_name	nf-gwip
Public IP (VM)	publicIPAddresses_nf_cppm_ip_name	nf-cppm-ip
Local Gateway	localNetworkGateways_nf_lng_name	nf-lng

CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.

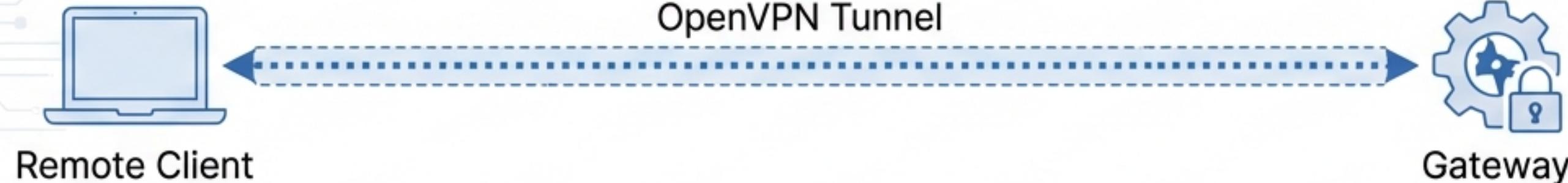
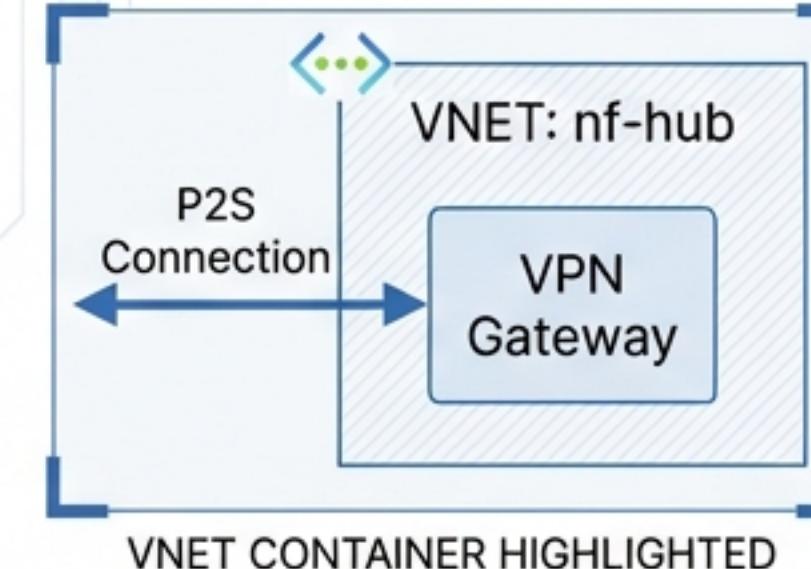
The Foundation: Virtual Network nf-hub



The Bridge: Virtual Network Gateway Configuration



Remote Access: Point-to-Site (P2S) Strategy



Client Address Pool

10.110.10.0/24

Authentication

Method: Certificate-Based

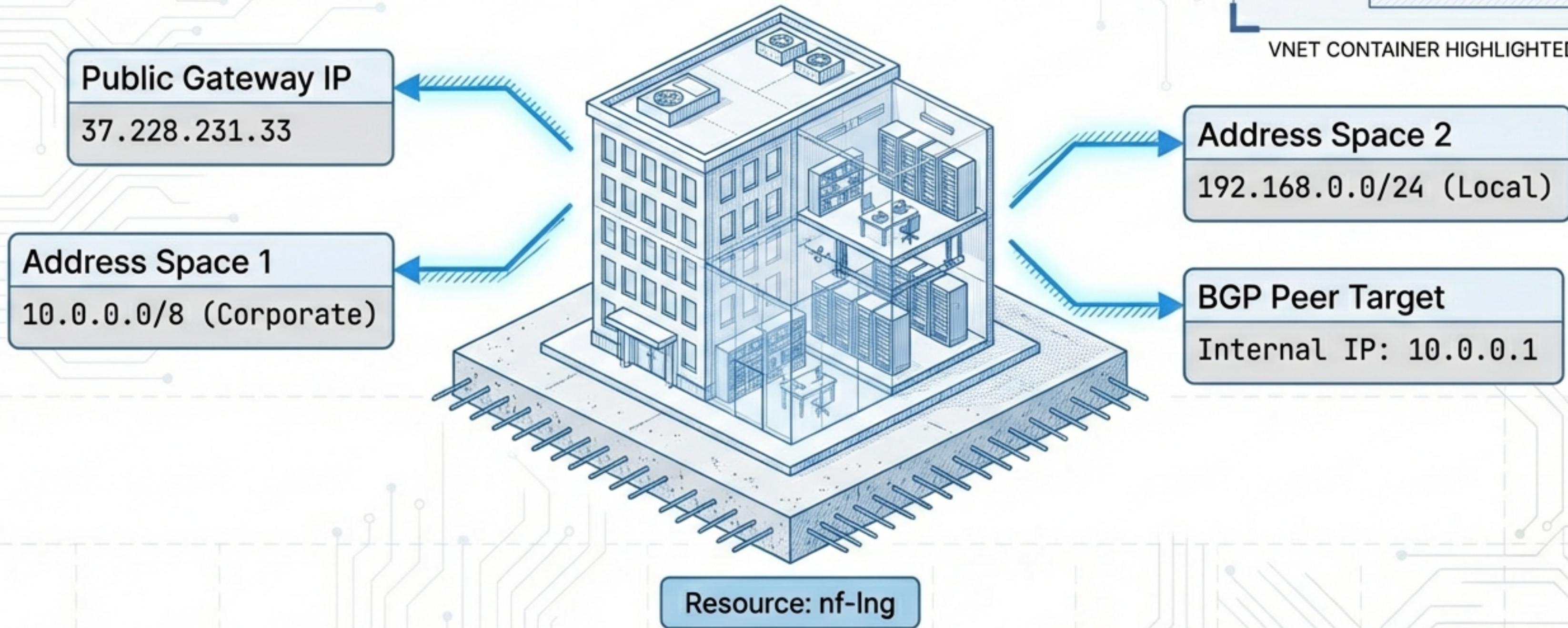
Trust Anchor:
Root Certificate
"ROOT"

Protocol

OpenVPN

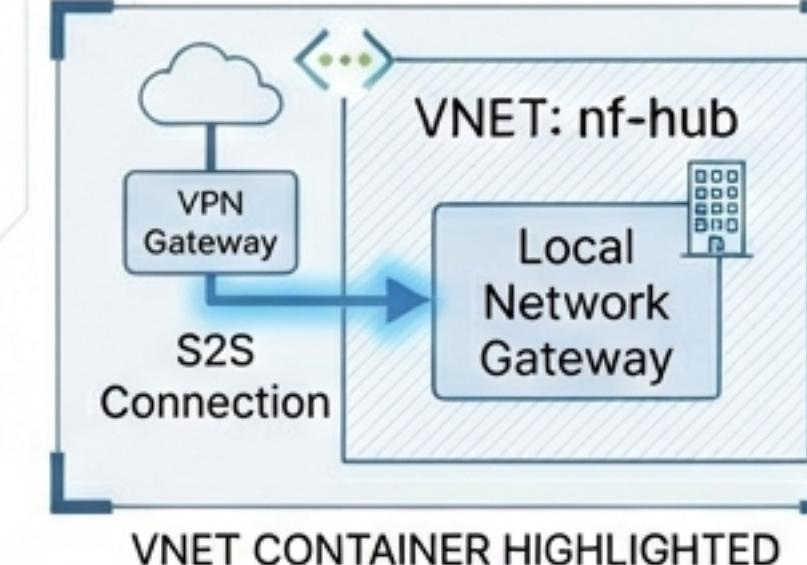
CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.

Defining the On-Premises Endpoint



CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.

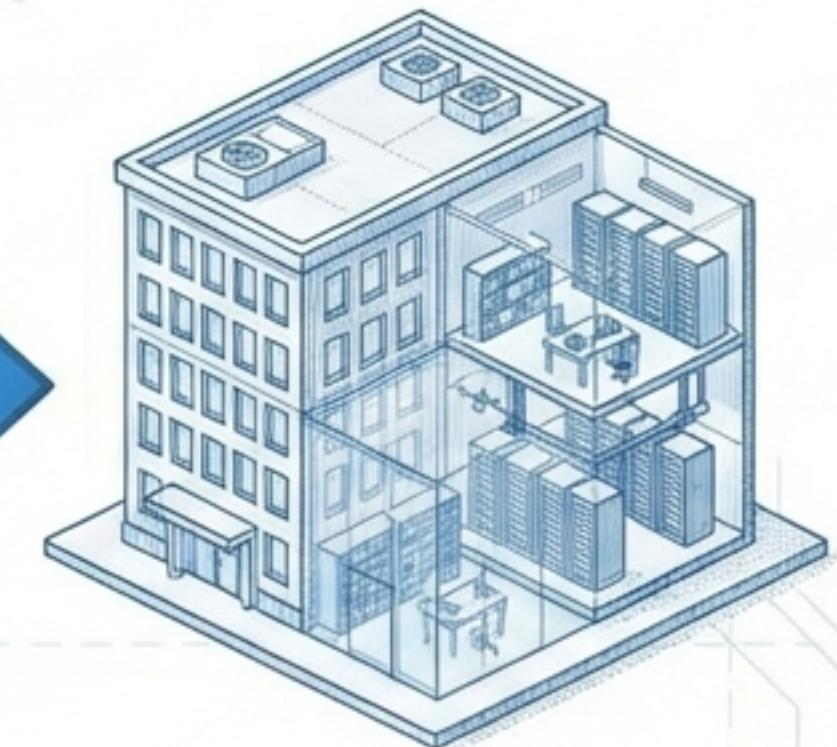
Establishing the Tunnel: Site-to-Site Connectivity



Protocol: IKEv2 / IPsec

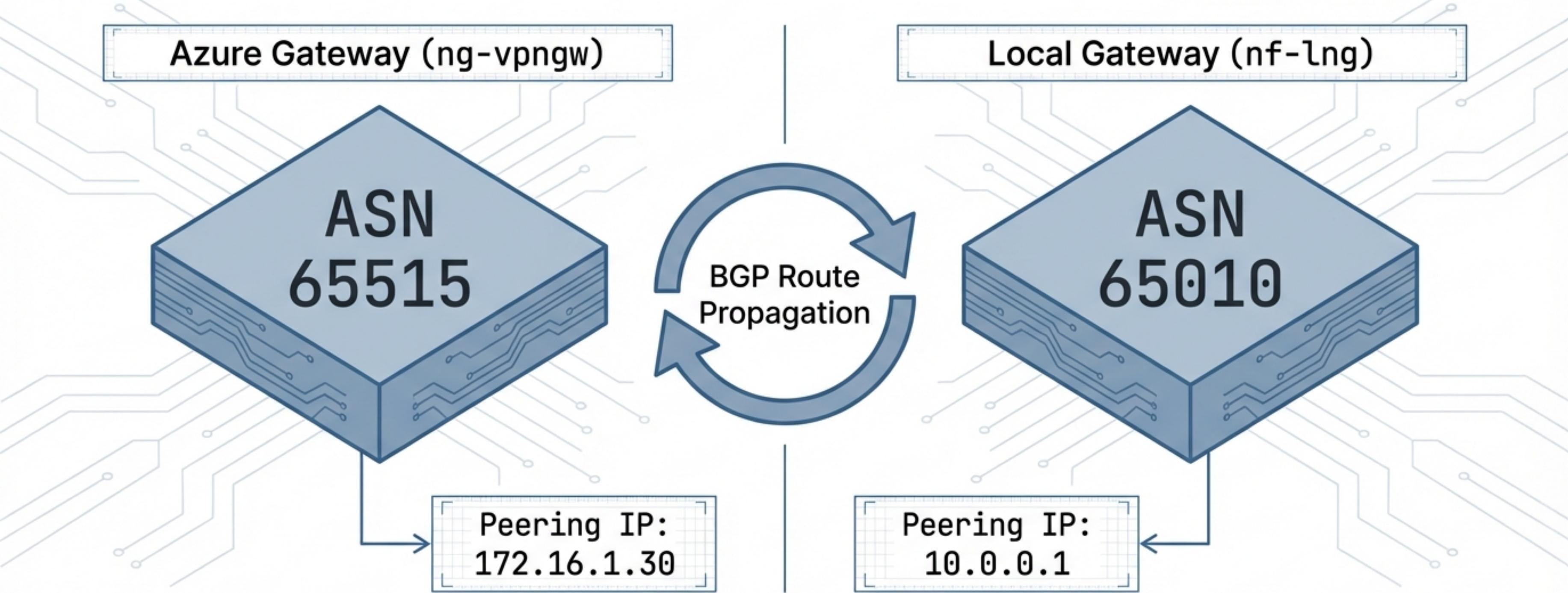
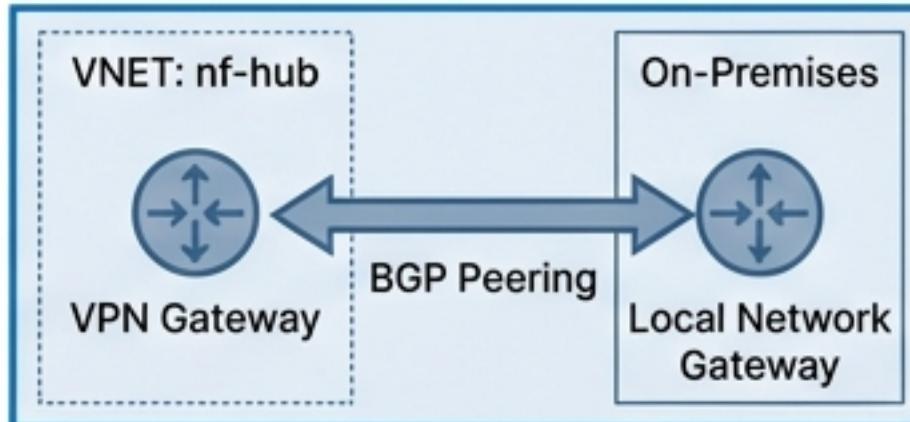
Connection Resource: s2s

- DPD Timeout: 45 Seconds
- Policy-Based Traffic Selectors: Disabled
- Connection Mode: Default



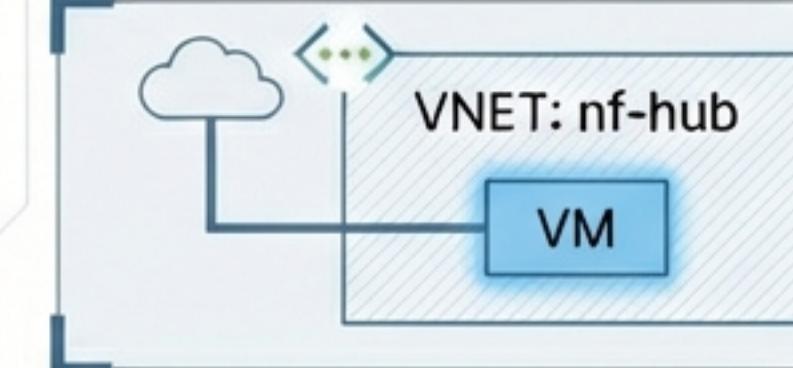
CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.

Dynamic Routing: BGP Configuration



CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.

The Workload: Aruba CPPM Virtual Machine



Resource: nf-cppm

Hardware

- Size: Standard_DS1_v2
- vCPU: 1
- Memory: 3.5 GiB

Storage

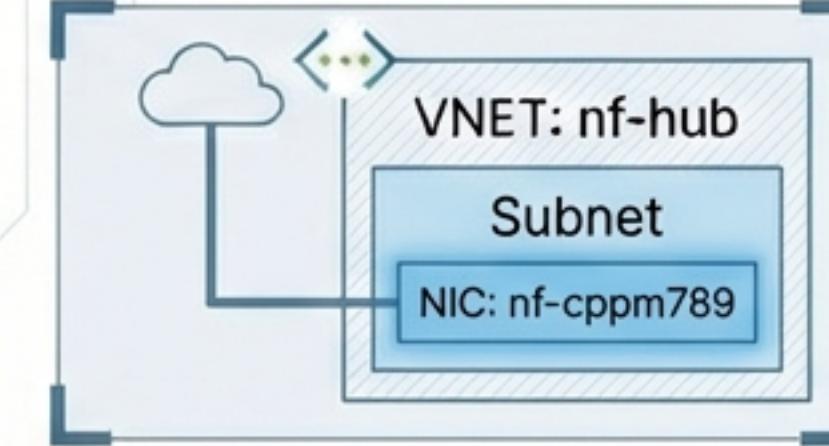
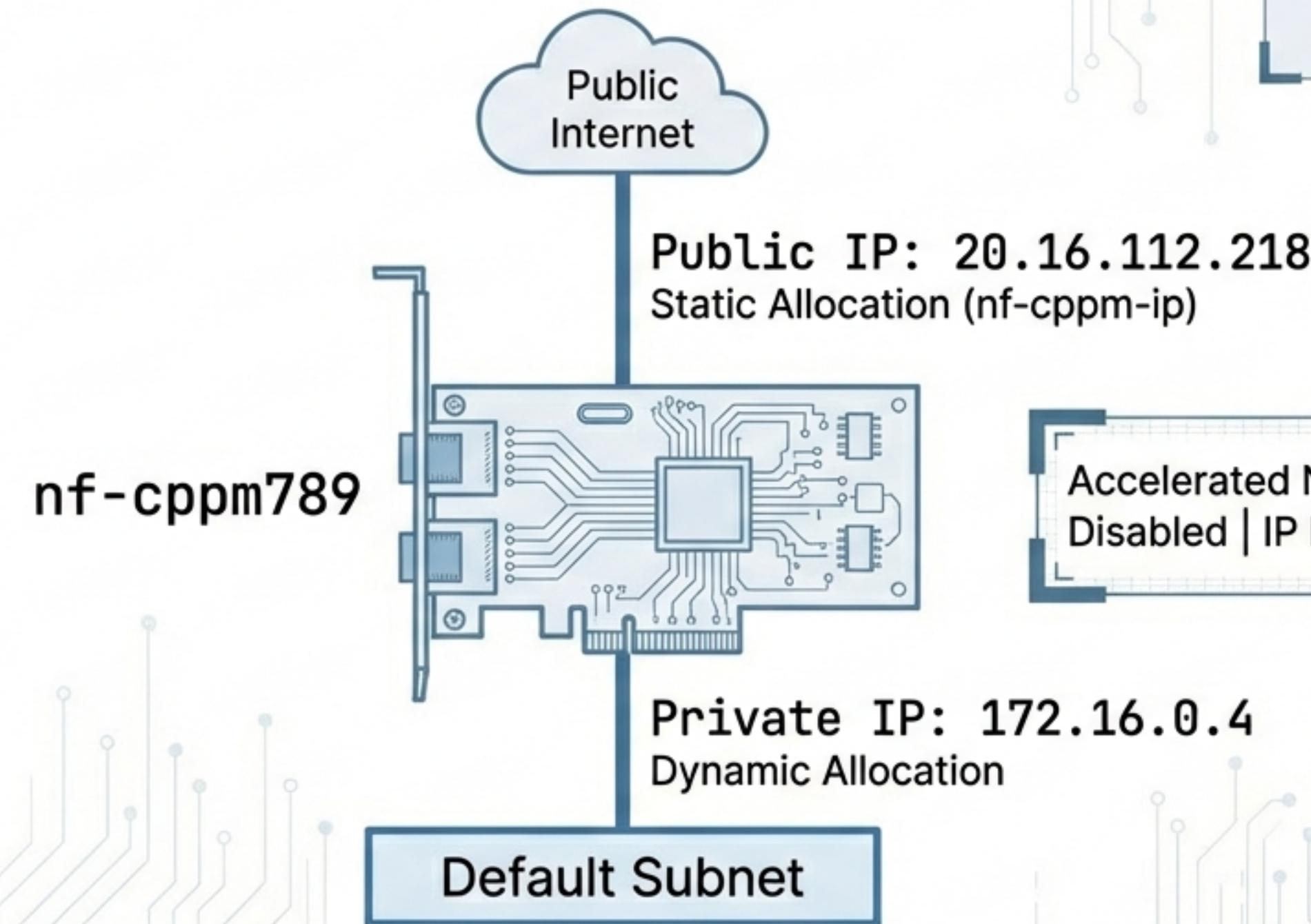
- OS Disk: 40GB Managed (Standard_LRS)
- OS Type: Linux

Image Source

- Publisher: arubanetworks-4922182
- Offer: aruba_cppm_6_11_1
- Version: latest

CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.

Network Interface and Identity



CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.

Technical Blueprint Modernism

Security Posture: Network Security Groups



Inbound Rules

Name	Priority	Port	Source	Action
AllowAnyCustomAnyInbound	100	*	*	ALLOW

Outbound Rules

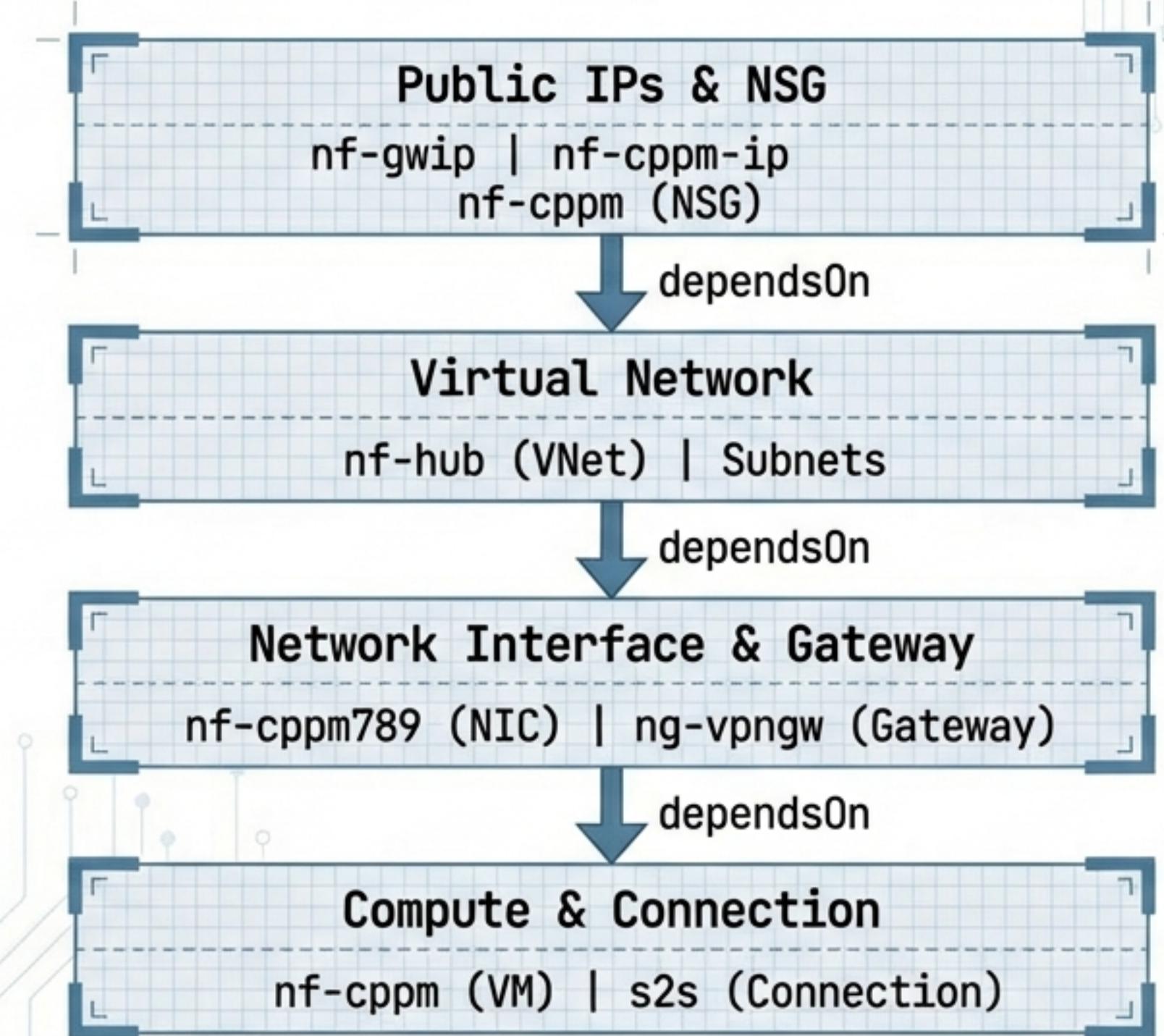
Name	Priority	Port	Source	Action
AllowAnyCustomAnyOutbound	100	*	*	ALLOW



OPERATIONAL NOTE:
Configuration is in
Day-0 Permissive
Permissive State.
Immediate hardening
required.

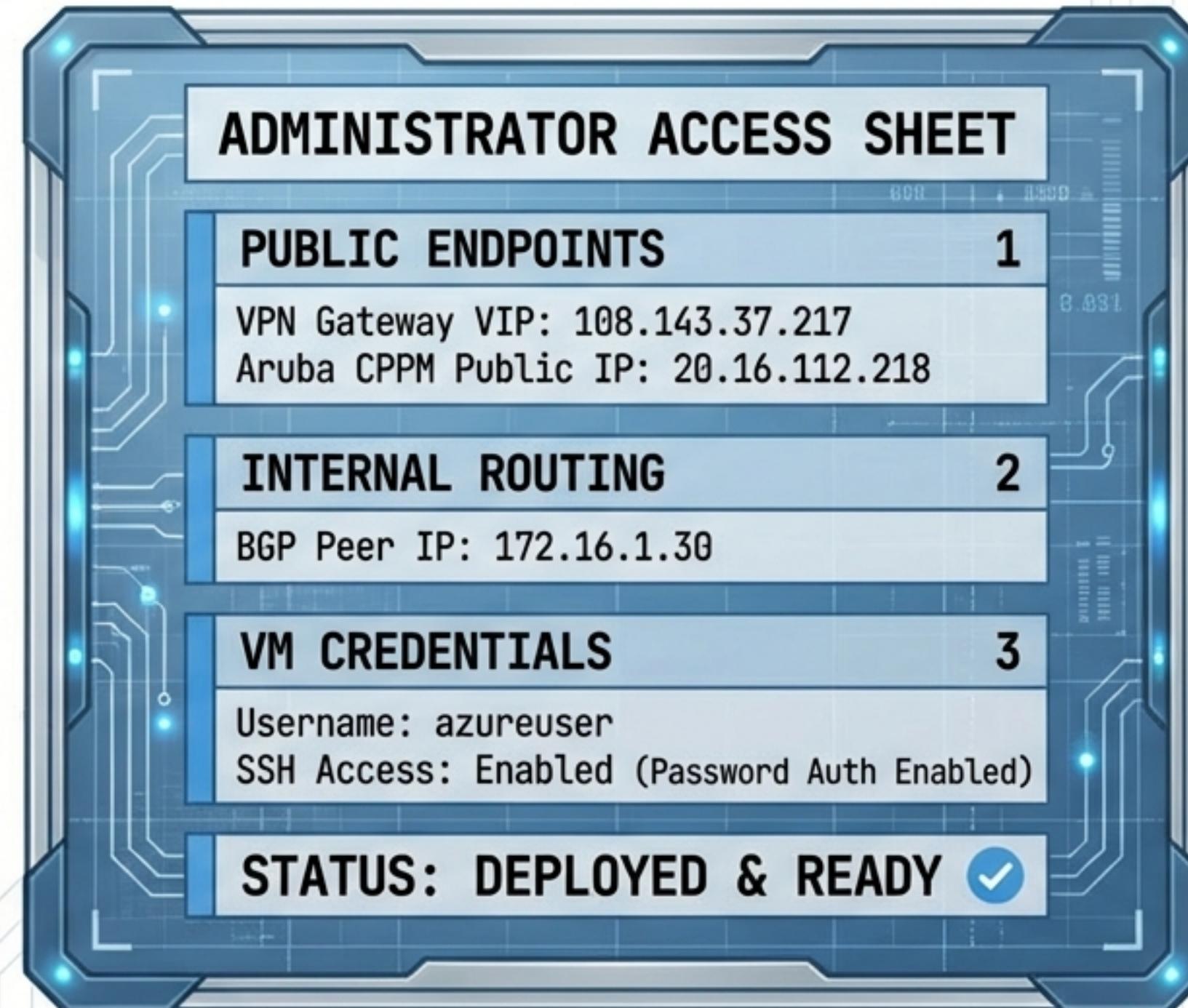
CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.

Deployment Dependency Chain



CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.

Operational Readiness & Access Data



CONTEXT NOTE: All resources act as the 'nf' (Network Function) naming generation within the westeurope region.