

Azure Regions

EastUS  
*Primary*

WestUS  
*Region Pair for DR*

Naming Convention

bsteph27 team to update before implementation approval.

(Resource Type)

(Environment)

(Azure Region)

(Workload/Applicaiton)

(Instance ###)

The components are applied as applicable to the resource type.

Examples:

Resource Group – rg-prod-wus-net

Virtual Machine – vm-prod-app-001

Storage Account – saprodwusdiag

Resources follow the recommended abbreviation for Azure resource types.

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/ready/azure-best-practices/resource-abbreviations>

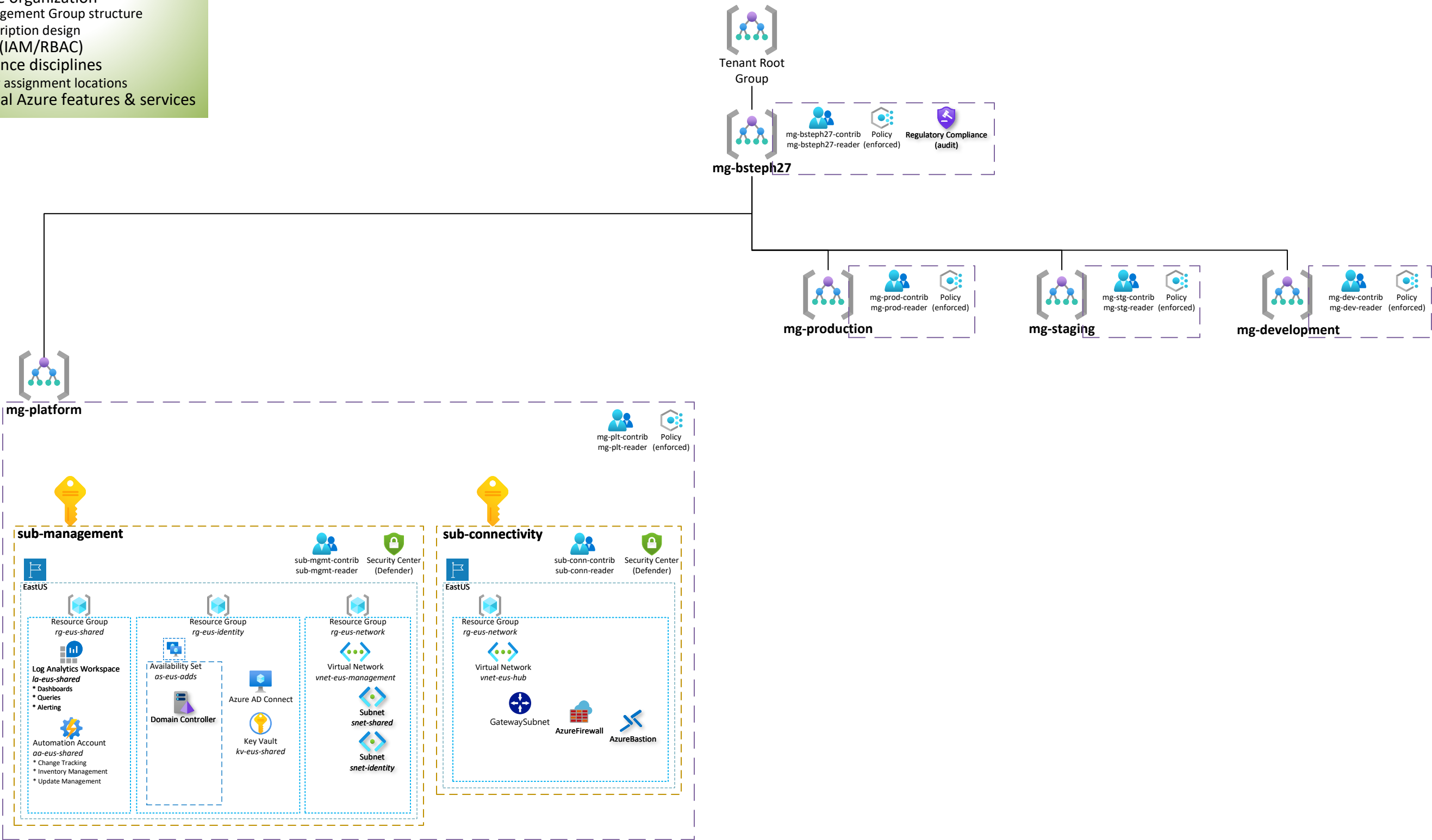
Tagging

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Tag Name	Value	Description	Required	Inheritance
BuildDate	YYYY-MM-DD	Date the resource is provisioned	Yes	
EnviTier	Production	Environmental identifier		Sub
AppName	WebApp01	Name of the project or product line		Rg
Owner	user@<Client>	Email address or distribution list	Yes	
Department	Accounting	Departmental Identifier	Yes	

Management Hierarchy

- Resource organization
  - Management Group structure
  - Subscription design
- Identity (IAM/RBAC)
- Governance disciplines
  - Policy assignment locations
- Additional Azure features & services

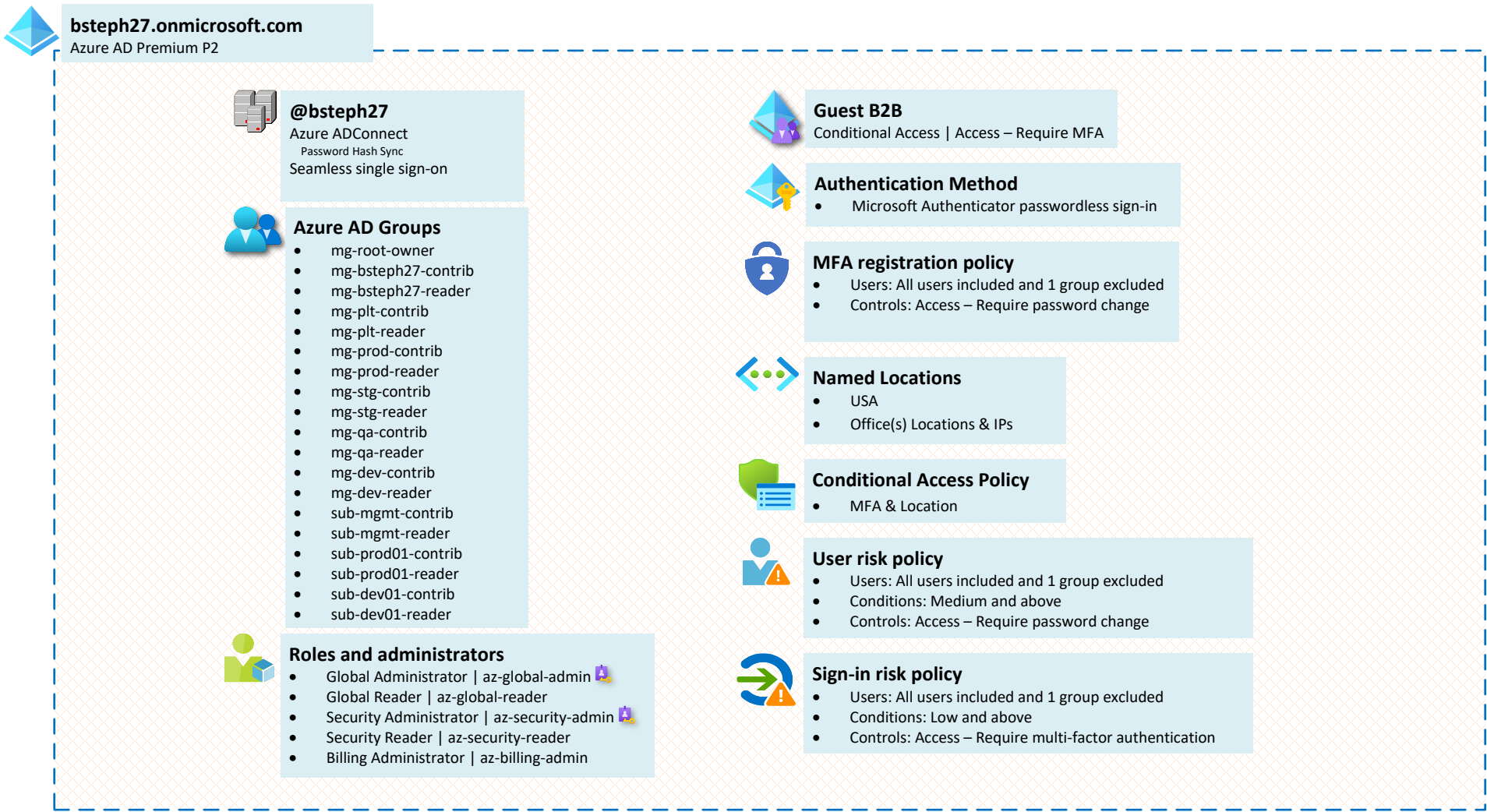


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- Resource Group structure for Landing Zone

Azure AD

- Identity (IAM/RBAC)

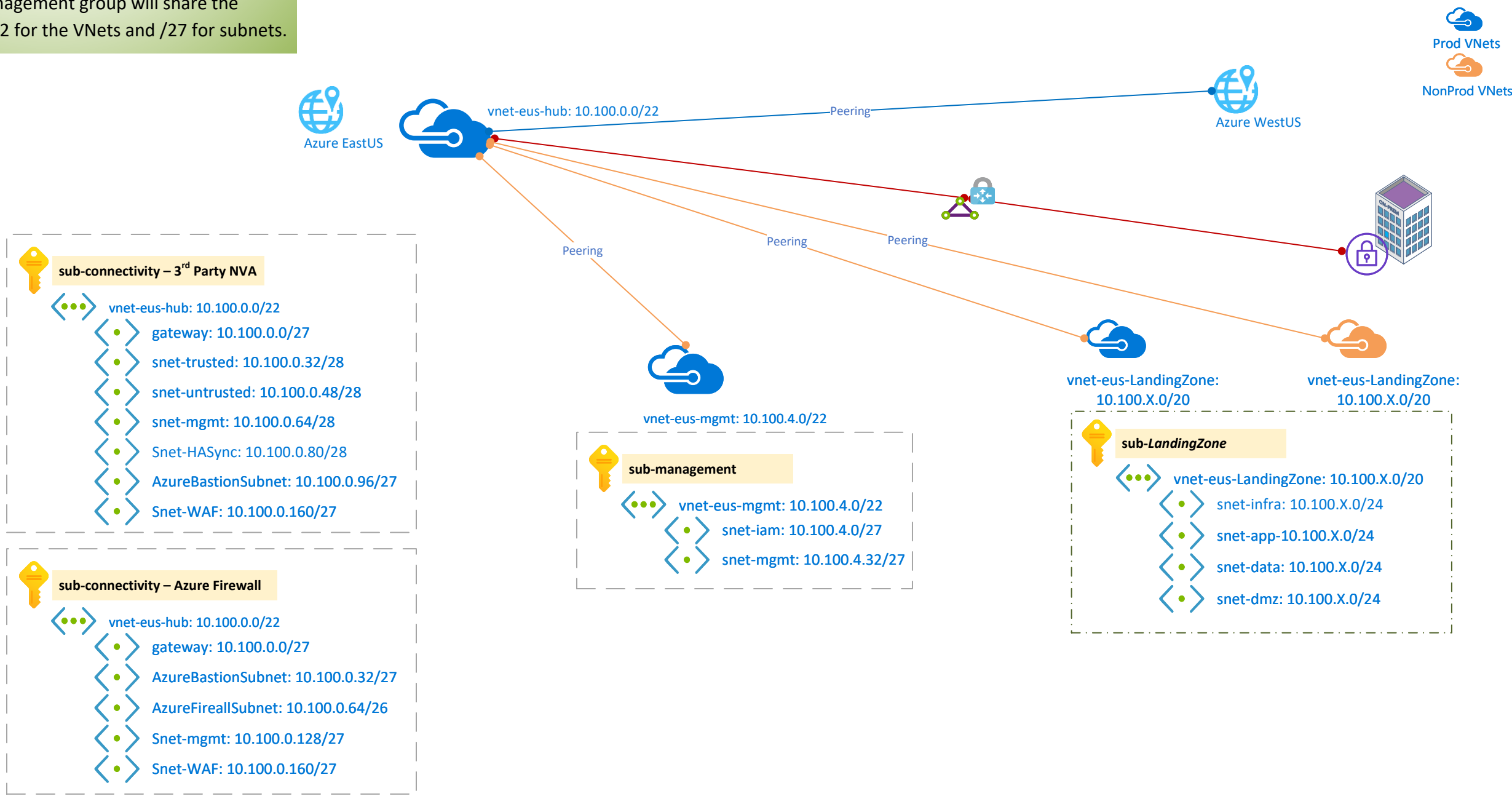


VNet & Subnet Ip Address Breakdown

Each region will be contained in a /16  
VNets - /20 (4094 available IPs)  
Subnets - /24 (250 available IPs)

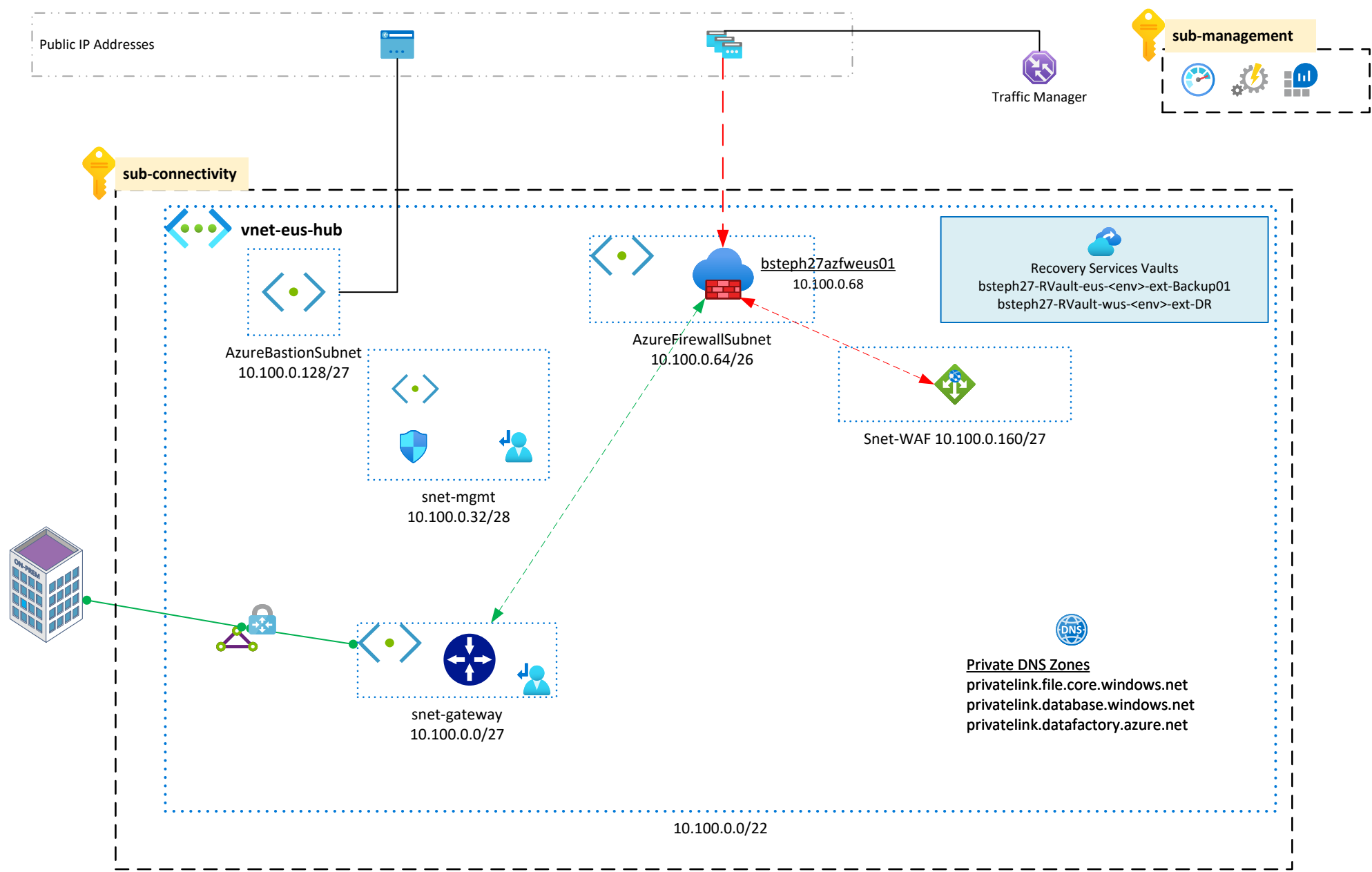
10.<region>.<VNet>.<app/svc>

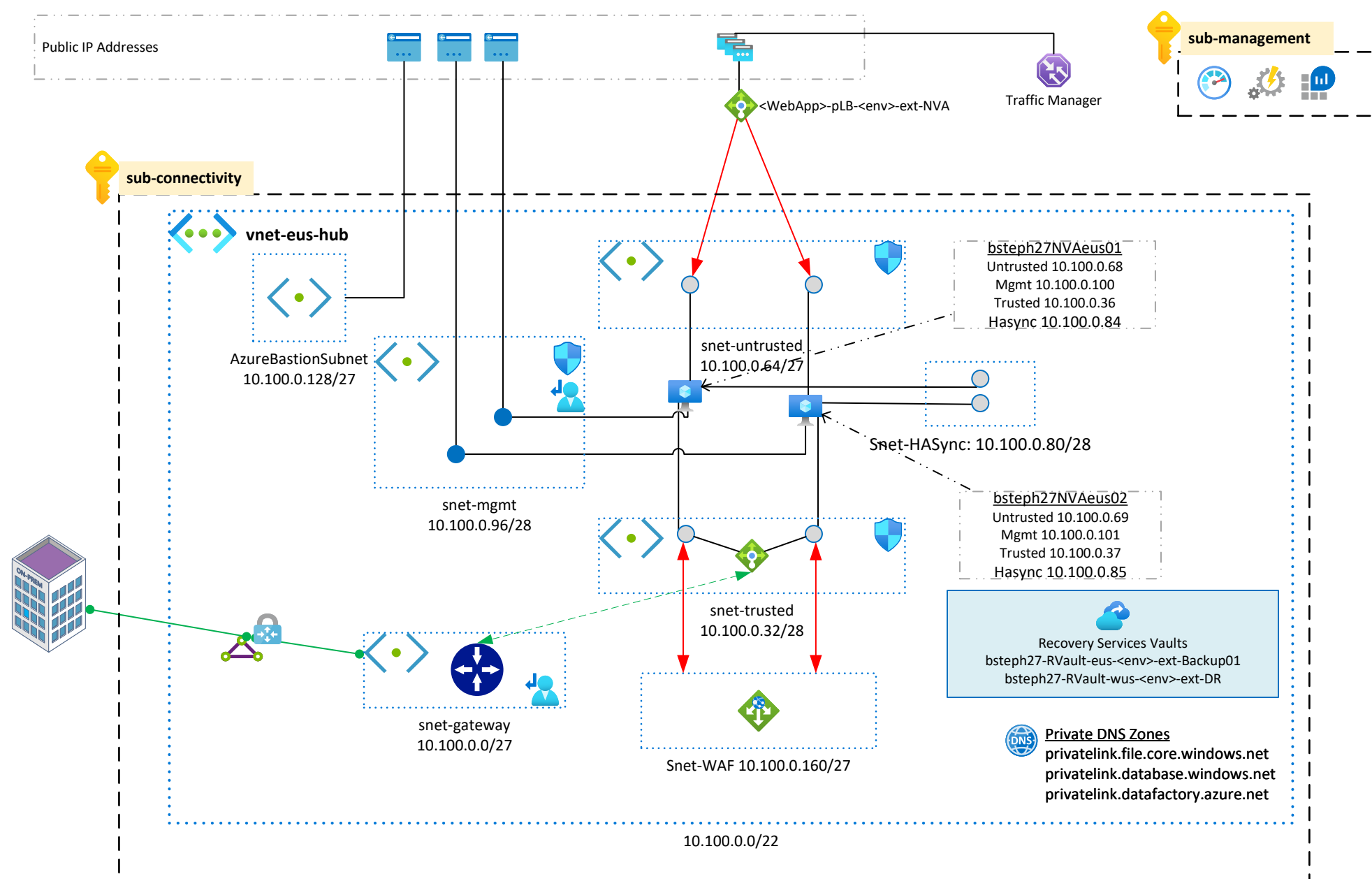
Note: The platform management group will share the same /20 space using /22 for the VNets and /27 for subnets.

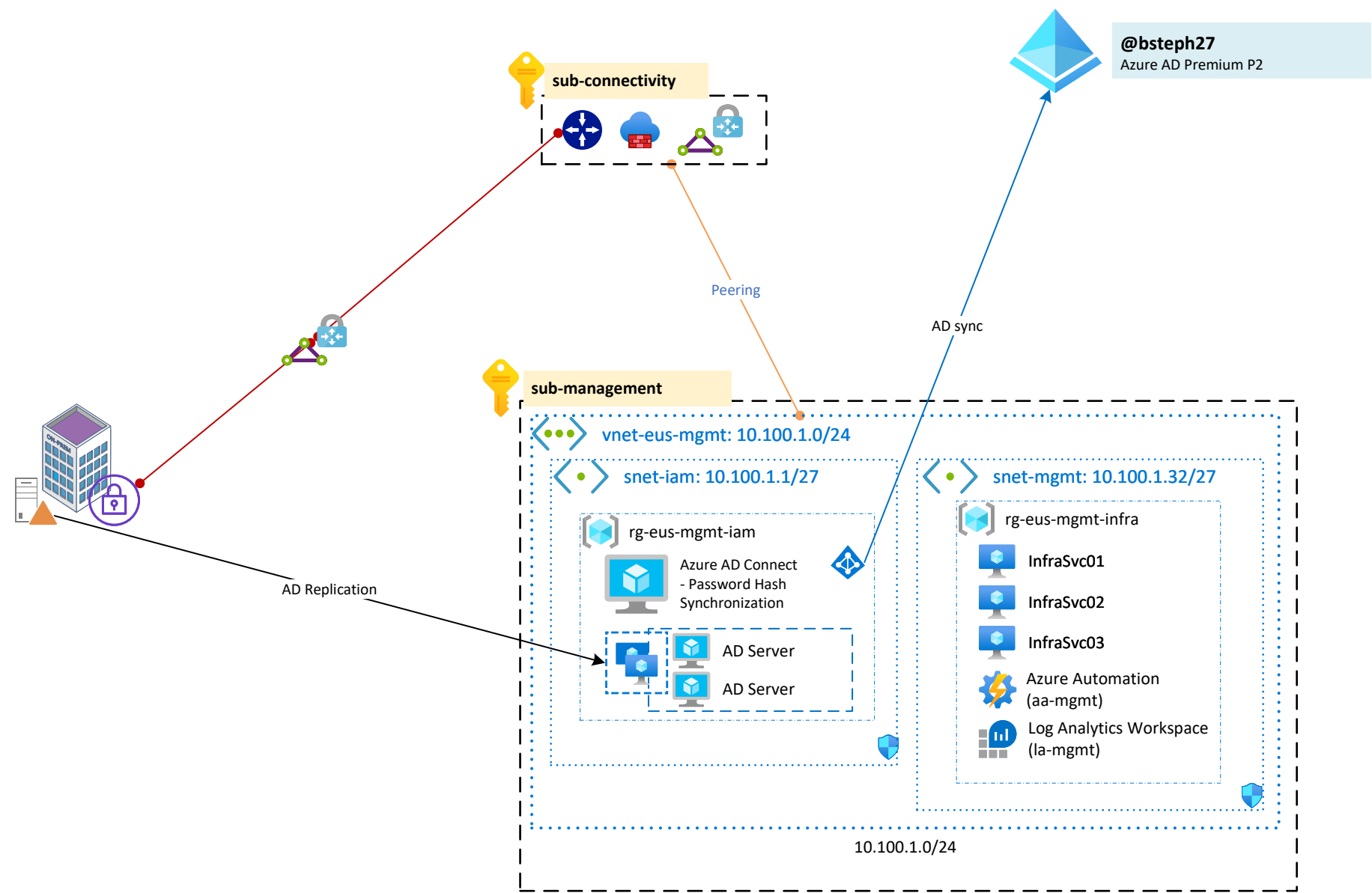


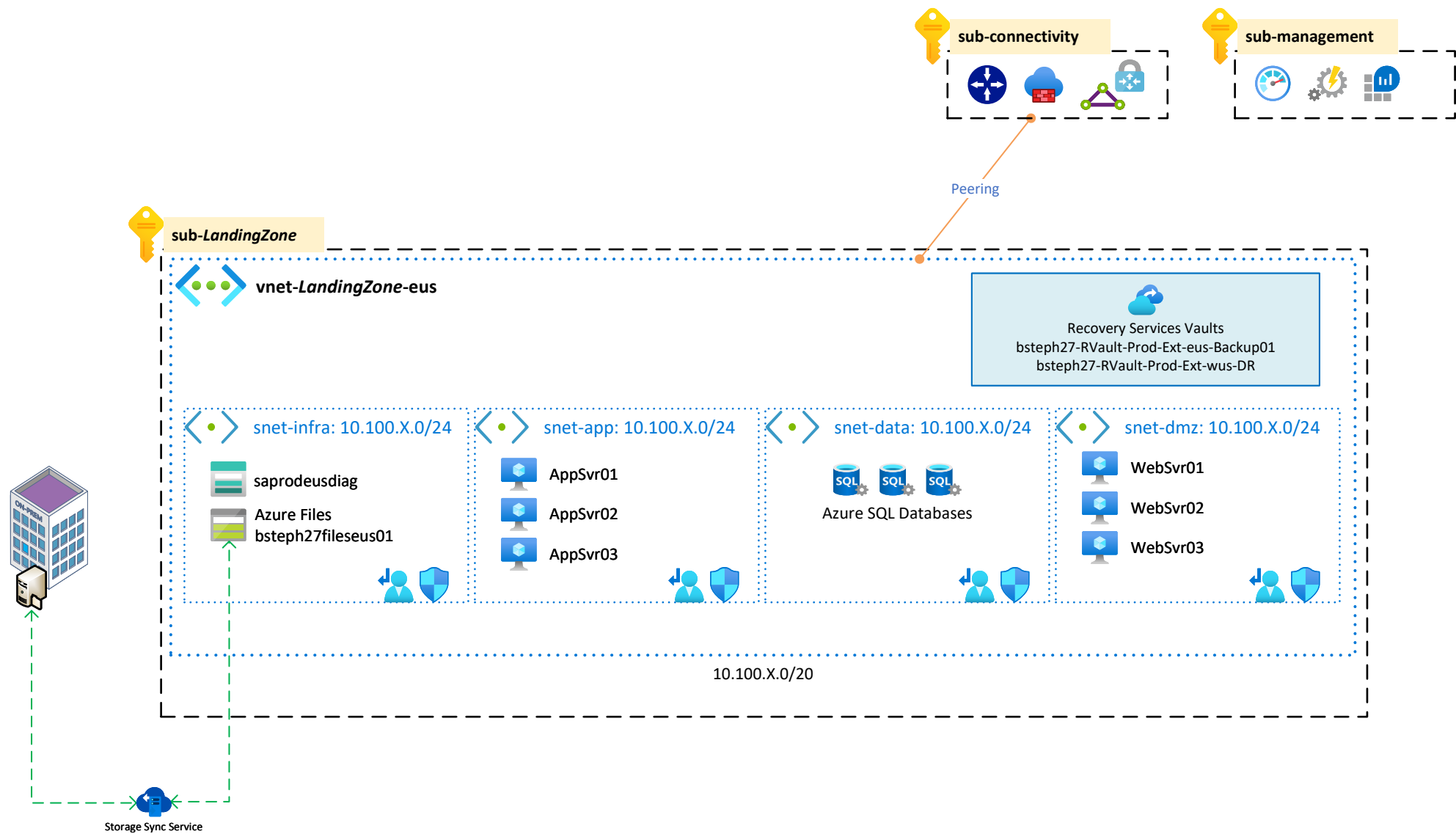
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- Subnet structure
- Subnet IP Addressing











Business continuity and disaster recovery (BCDR)

- Operations baseline



Azure Backup

- Azure Virtual Machine
- SQL in Azure VM
- Azure Storage (Azure Files)

Policies

DefaultPolicy

- Frequency - Daily @ 23:00
- Retention - Daily – 7 | Weekly – 4



Recovery Services vaults

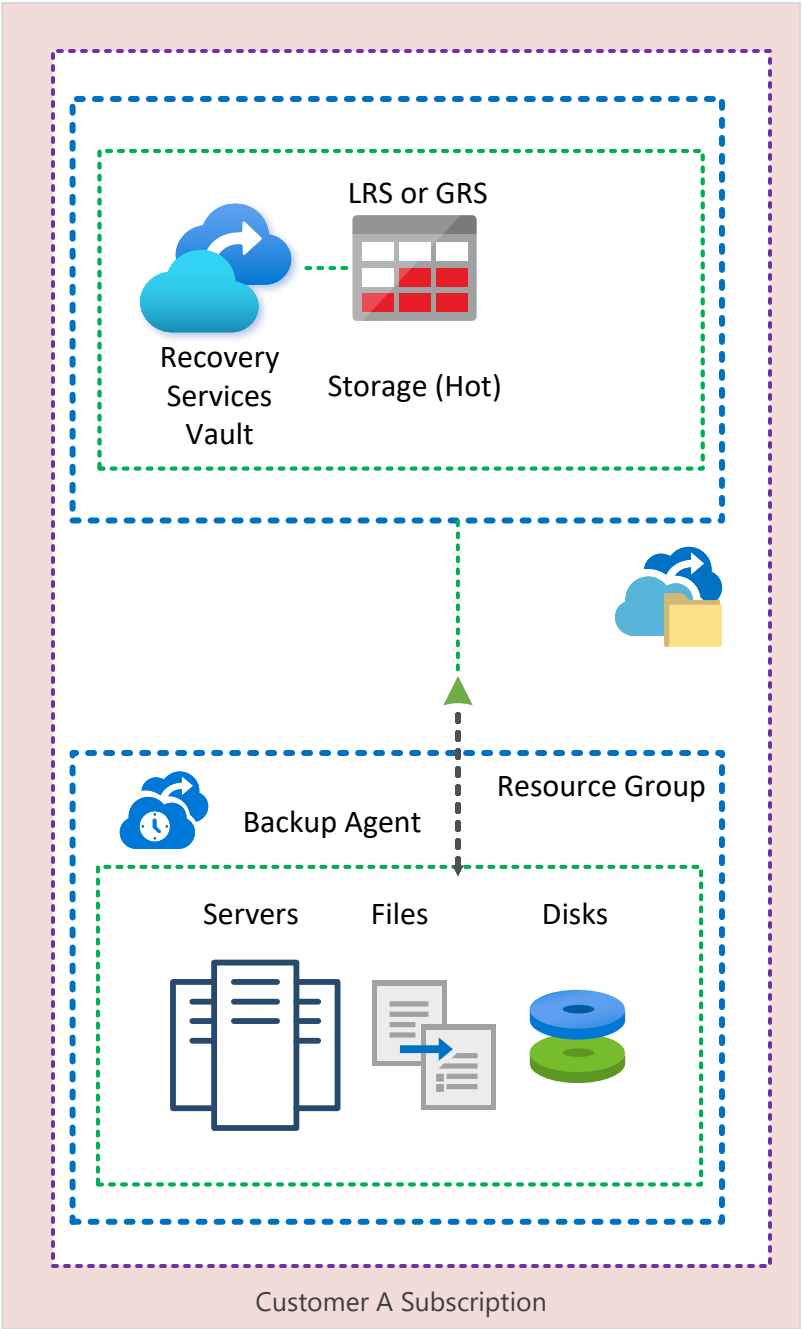
- Replication
- Recovery Plan

Recovery Point Objective (RPO)

- 1 - 24 hours (via ASR)
- May change per Customer

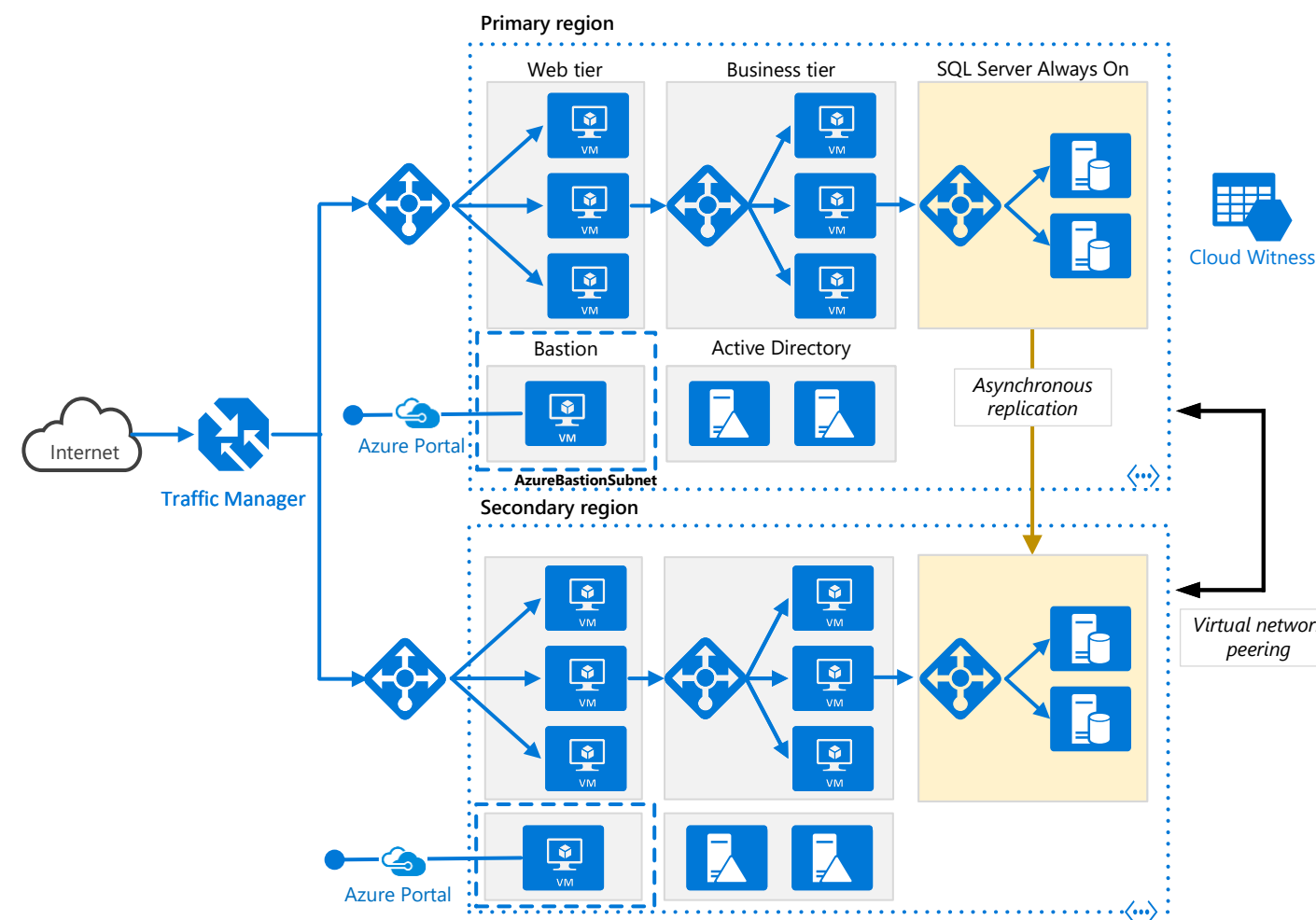
Recovery Time Objective (RTO)

- 1 – 24 hours
- May change per Customer



# Application High Availability

- Example diagram of available configurations in Azure to support high availability of an application across Azure regions.



Azure Windows Virtual Desktop

- Topology and connectivity

