

Implement On-Premises Network Connectivity



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Overview



Implement and manage the Remote Access role

Implement and manage Network Policy Server role

Implement and manage Azure Network Adapter

Implement and manage Azure Extended Network



Implement and Manage On-Premises and Hybrid Networking Infrastructure

Implement On-Premises and Hybrid Name Resolution

Manage IP Addressing in On-Premises and Hybrid Scenarios

Implement On-Premises Network Connectivity

Implement Hybrid Network Connectivity



Windows Server Hybrid Administrator Associate

Take two exams



CERTIFICATION EXAM **AZ-800**
**Administering Windows Server
Hybrid Core Infrastructure**

AND



CERTIFICATION EXAM **AZ-801**
**Configuring Windows Server
Hybrid Advanced Services**

Earn the certification



ASSOCIATE CERTIFICATION
**Microsoft Certified:
Windows Server Hybrid
Administrator Associate**



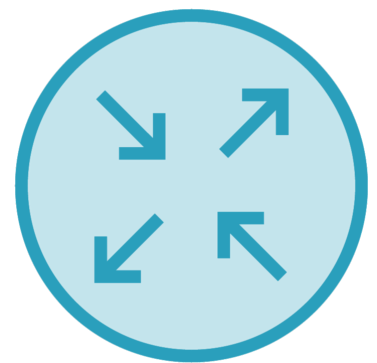
Remote Access and Network Policy Server



Windows Server Remote Access Role



Remote Access Service (RAS): VPN; DirectAccess



Routing: BGP



Web Application Proxy: AD FS

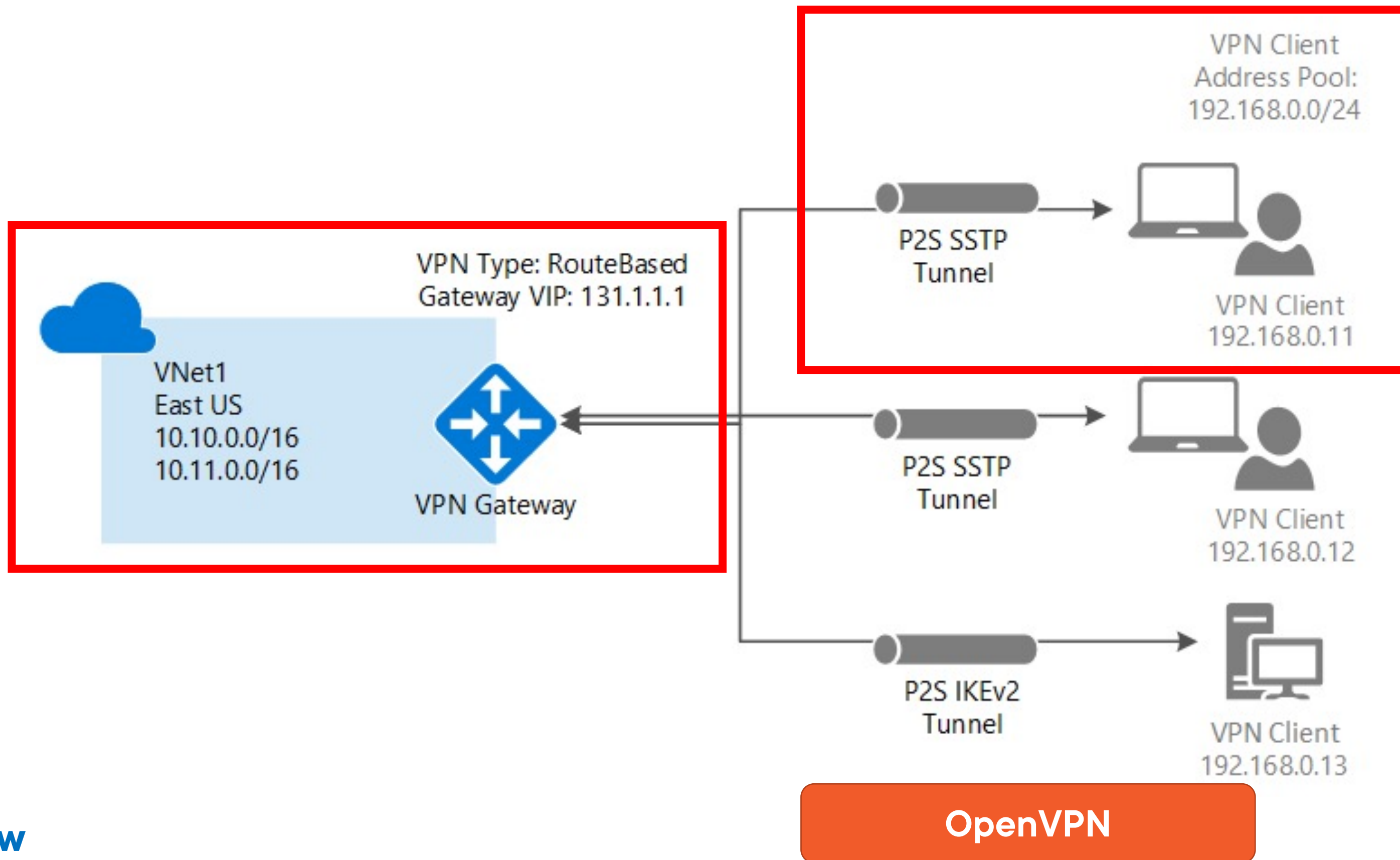


RADIUS

Remote Authentication Dial-In User Service. Industry standard network protocol that provides centralized authentication, authorization, and accounting (AAA)



Azure Point-to-Site (P2S) VPN



Azure P2S VPN Authentication Options

Client certificate

Upload root cert

Azure AD

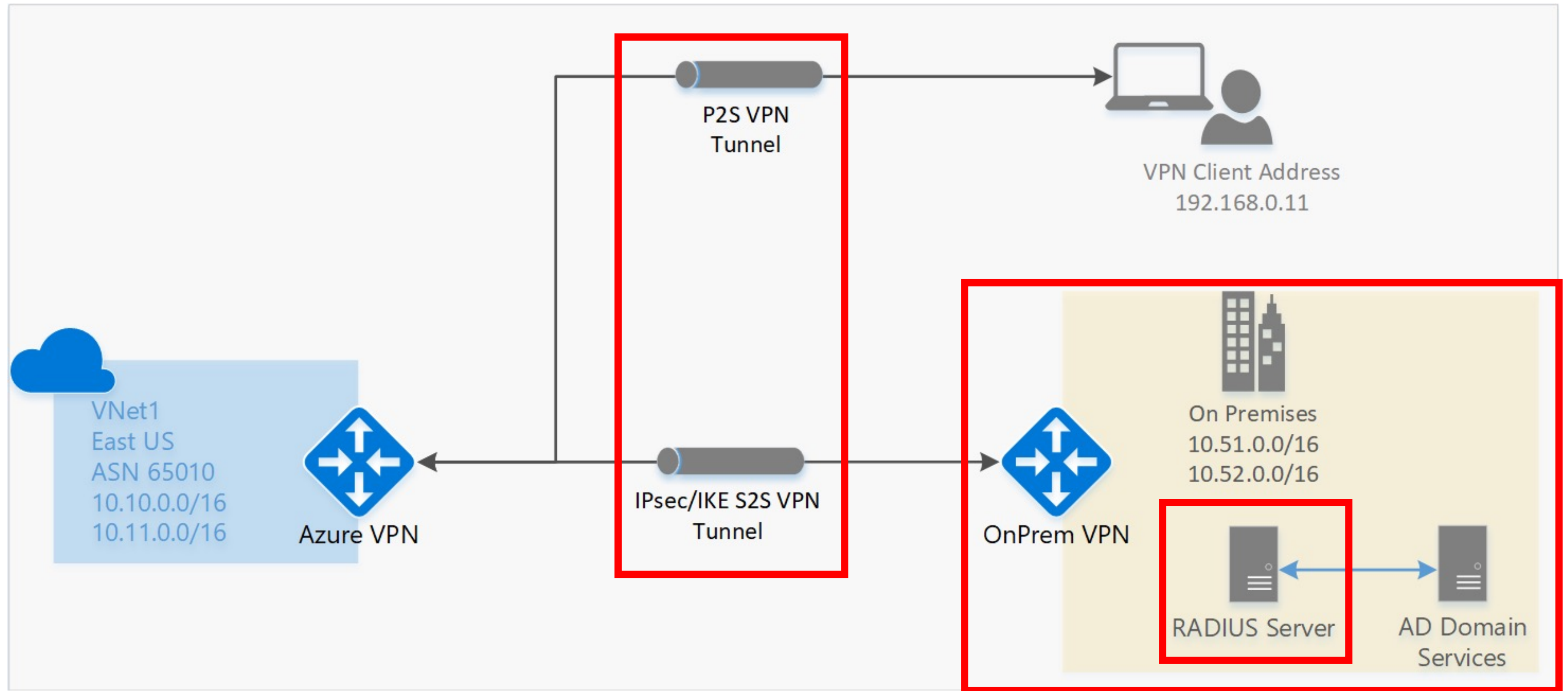
**OpenVPN
Conditional Access
Azure MFA**

AD Domain

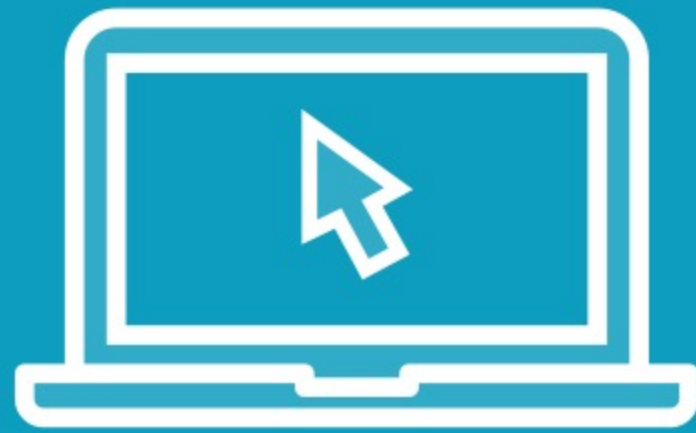
RADIUS



Network Policy Server (NPS)



Demo



1

Azure P2S VPN setup

RADIUS authentication



Azure Hybrid Networking



Azure Network Adapter



Convenient way to create a P2S VPN for standalone servers

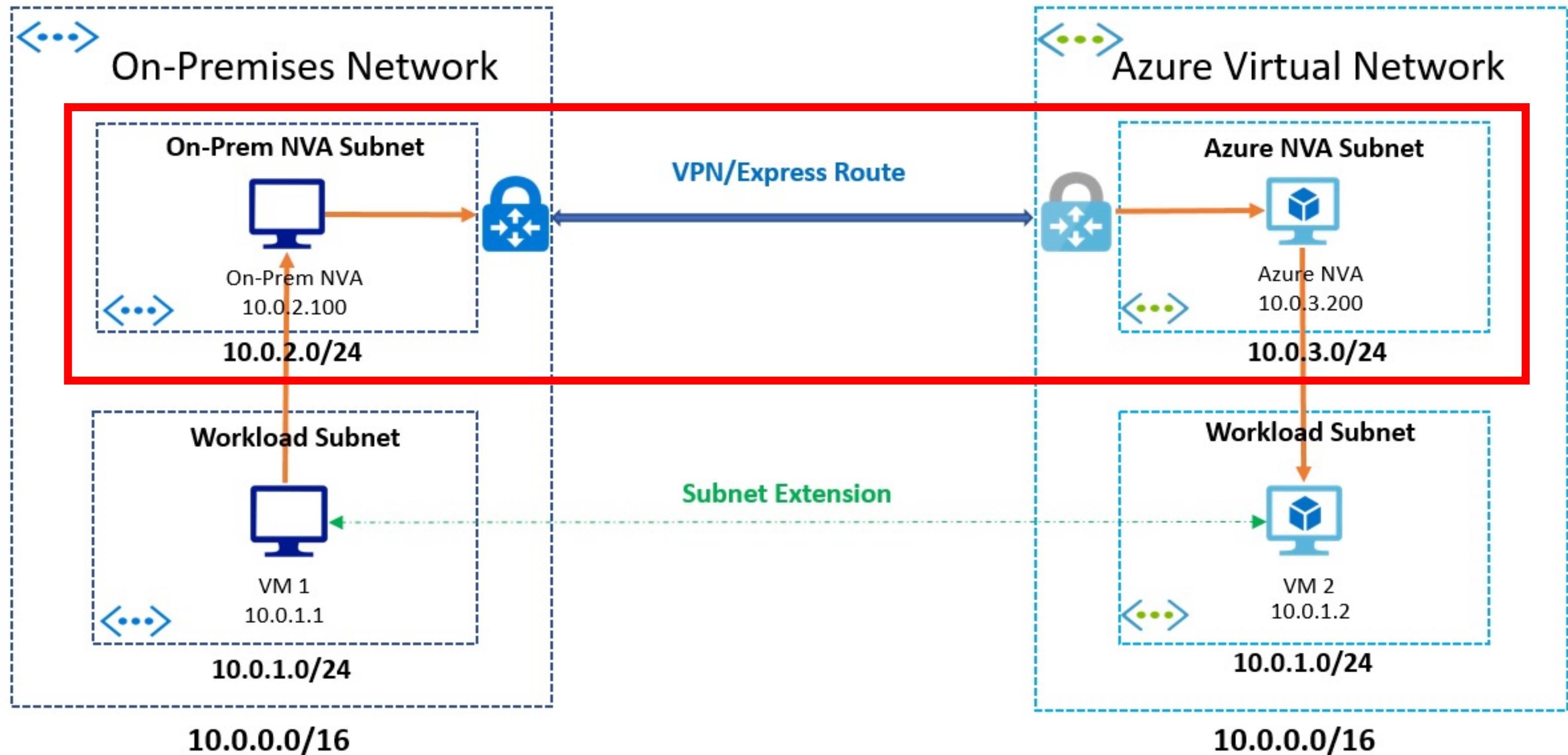
Configure through Windows Admin Center

- Register your WAC server with Azure
- Sign into your account

WAC will create the virtual network gateway for you



Azure Extended Network



Demo



2

WAC registration process

Azure Network Adapter

Azure Extended Network



Summary



Azure P2S VPN is compelling given today's emphasis on the remote workforce

You can terminate a S2S VPN with a Windows Server RRAS host

Certification success:

- Theoretical understanding
- Hands-on application
- Practice exam review



Up Next:
Implement Hybrid Network Connectivity

