Microsoft

AZ-300T03 Module 02: Hybrid Networking

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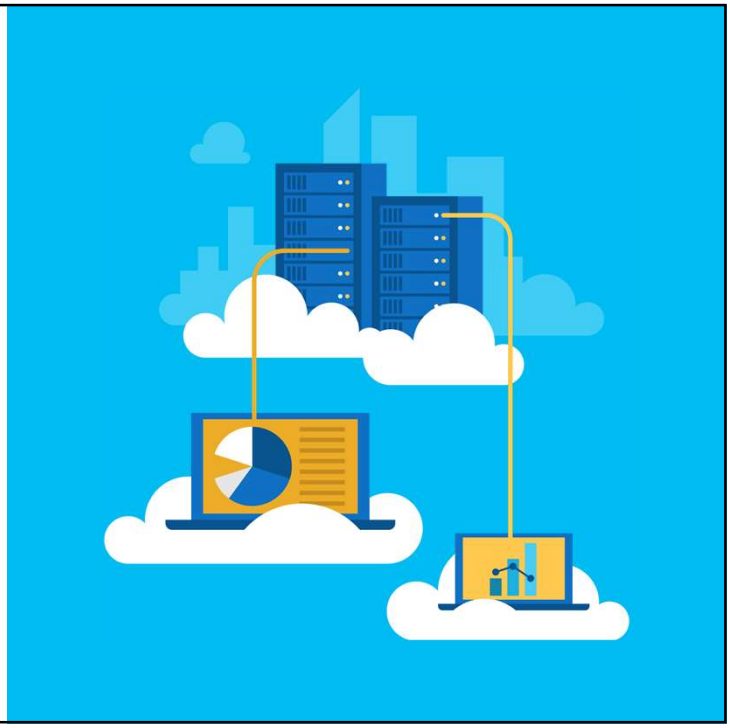

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Module 02: Hybrid Networking

Lesson 01: Hybrid Networking

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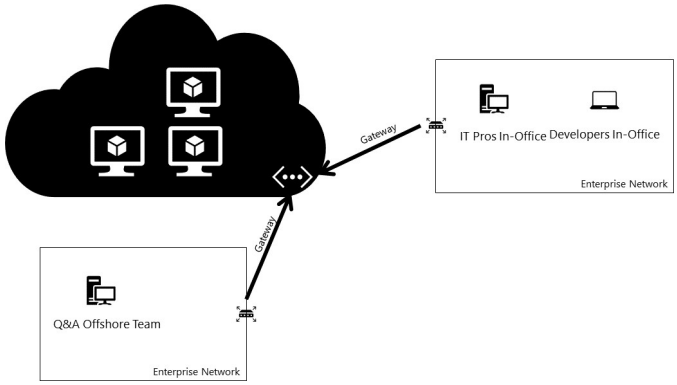
Site-to-site Connectivity

Site-to-site VPN:

- Offers security enhanced connection between on-premises site and an Azure virtual network
- Provides direct, network-wide connectivity
- Requires an on-premises VPN device



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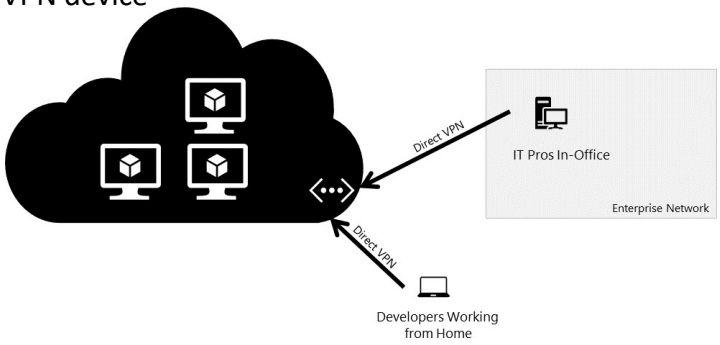
Point-to-site Connectivity

Point-to-site VPN:

- Offers security enhanced connections between individual computers and an Azure virtual network
- Configures individual computers as nodes on an Azure virtual network
- Relies on the client VPN software
- Does not requires a VPN device



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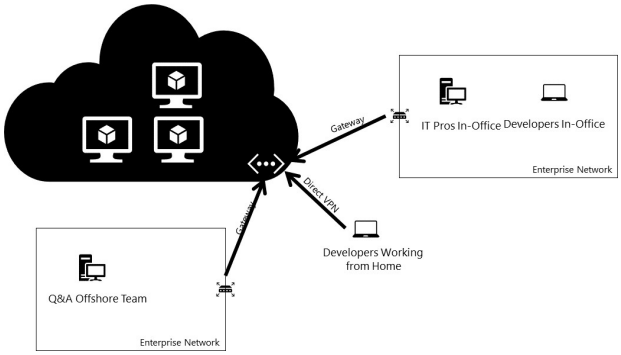
Combining site-to-site and point-to-site connectivity

Site-to-site VPN and point-to-site VPN:

- Combines requirements of both solutions
- Combines benefits of both solutions



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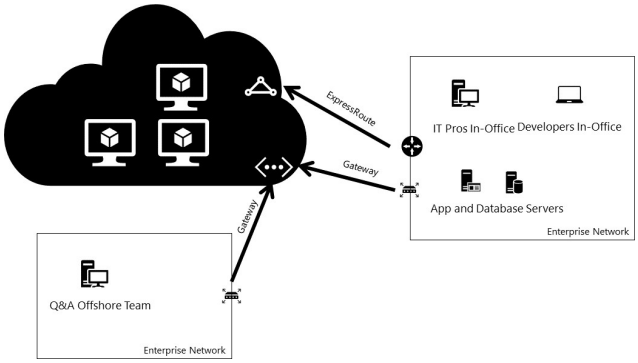
Combining ExpressRoute and site-to-site connectivity

Offers a number of benefits:

- Minimizes cost required to connect multiple branch offices.
- Extends the scope of network connectivity.
- Provides failover capabilities.



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Module 02: Hybrid Networking

Lesson 02: Virtual Network-to-Network

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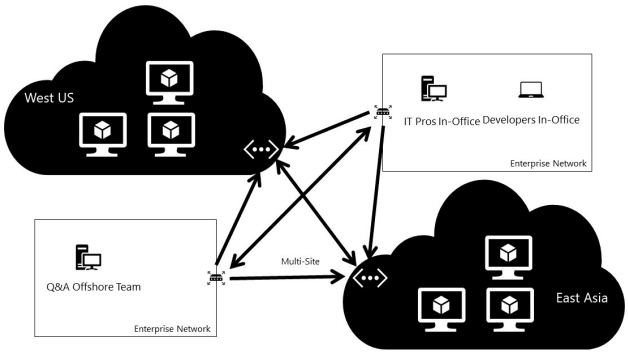
Virtual network-to-virtual network Connectivity

Utilizes Azure VPN gateways to connect Azure virtual networks:

- Facilitates multi-site VPNs, including connectivity to on-premises sites
- Enhances security by encapsulating traffic into IPSec tunnels



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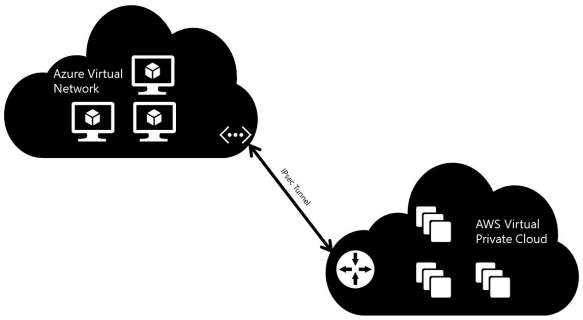
Connecting across cloud providers

Utilizes IPSec VPN to connect virtual networks across cloud providers:

- Relies on AWS VPC capabilities, which are equivalent to those of Azure virtual networks
- Facilitates failover, backup, and migration scenarios



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