On-Premises

On-premises datacenter

Express Route

**Region A
West Europe**

PIP & SNAT

ER GW 1

VM1

VM2

NO FEE

VPN GW 1

VM3

NO FEE

VPN GW 2

NO FEE

NO FEE

Storage Account xxy

mystoragexxy.blob.core.windows.net

Azure SQL DB 1

**Region B
North Europe**

VPN GW 2

Zone A

Zone B

VM4

VM4

*Don't forget that some Azure services like VPN GWs, Internet Gateway, etc have a monthly cost

Cross-Region Services
For PaaS services hosted in different regions, then "Azure Bandwidth" costs apply. All inbound traffic is free but All outbound traffic is charged.

Internet Traffic
By default All the inbound traffic is free but All the outbound traffic is charged.

ExpressRoute Traffic
Metered Data Plan: All inbound data transfer is free of charge, and all outbound data transfer is charged based on a pre-determined rate. Users are also charged a fixed monthly port fee
Unlimited Data Plan: All inbound and outbound data transfer is free of charge. Users are charged a single fixed monthly port fee

Pricing - ExpressRoute | Microsoft Azure

Intra Region VPN Traffic (S2S)
Traffic between two VNET's within one region has no charges. Consider that the VPN GW has a recurrent cost depending on the SKU.

https://azure.microsoft.com/en-us/pricing/details/vpn-gateway/

Inter-Regions VPN Traffic (S2S)
When two VNETs are located accross one regions, then "Inter-VNET data transfers" apply. All the inbound traffic is free but All the outbound traffic is charged.

Intra Region VPN Traffic (S2S)
Peering is a a low latency link between two VNETs without the use of a VPN Gateway. This can be done within the same region, and between regions ("Global VNET Peering"). The pricing model differs here from the others, where there is a charge for both the inbound and outbound traffic.

Virtual Network Pricing | Microsoft Azure

Inner-VNET-Traffic
All traffic that occurs into a VNET is free.
No charges for communication between VM1 to VM2

Inner-VNET-between AZ's
All traffic that occurs between Availability Zones is charged at peering rates.
Charges for communication between VM4 and VM5

Inter-Region Services
All traffic that occurs into the same Region has no charges (i.e. PaaS). Traffic flow using the Azure Backbone (excl for Public Endpoints [IP])

Private Link
Allow to bridge PaaS services into your virtual network. Traffic flow using the Azure Backbone.
Service costes based on:
-Private Endpoint cost
-Inbound and Outbound data transferred

Pricing - Azure Private Link | Microsoft Azure