

Definitions

VPC	Private network within AWS
Subnet	Private/Public sub network within VPC

Security

Network Firewall	Security of VPC
Network Access Control List	Security of Subnet (<i>Stateless. Allow + Deny rules</i>)
Security Groups	Security of EC2 (<i>Stateful. Allow rules only</i>)
Shield	Security of Application (<i>Layer 3/4</i>)
Web Application Firewall	Security of Application (<i>Layer 7</i>)

Internet Connectivity

Internet Gateway	Connect VPC to Internet
NAT Gateway	Connect Private Subnet to Internet (<i>AWS Managed</i>)
NAT Instance	Connect Private Subnet to Internet (<i>Self Managed</i>)

Private Connectivity

VPC Peering	Connect VPC to VPC privately
Transit Gateway	Connect multiple VPCs
PrivateLink	Connect VPC to AWS services privately
VPC Endpoint Gateway	S3, DynamoDB
VPC Endpoint Interface	Rest of AWS services

Hybrid Connectivity

Direct Connect	Connect on-premises to VPC privately
VPN	
Site-to-Site VPN	Connect on-premises to VPC publicly
Customer Gateway	Within on-premises
Virtual Private Gateway	Within VPC
Client VPN	Connect users to VPC publicly



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