

	AWS	GCP	Azure	Generic	Description
Networking	Virtual Private Cloud (VPC)	Virtual Private Cloud (VPC)	Virtual Network (VNet)	Virtual Private Cloud (VPC)	Logically isolated section of the cloud where you can launch resources
	Region	Region	Region	Region	Worldwide locations where resources are hosted
	Availability Zone	Availability Zone	Availability Zone	Availability Zone	Distinct locations (within regions) where resources are housed - designed to be isolated from failures in other AZs
	Subnet	Subnet	Subnet	Subnet	Logical subdivision of an IP network. Can be private or public
	Cloudfront	Cloud CDN and/or CDN Interconnect	Azure CDN	Content Delivery Network (CDN)	Global network that delivers content based on the geographic locations of the user
	Route 53	Cloud DNS	Azure DNS and/or Traffic Manager	Domain Name System (DNS)	Naming database in which internet domain names are located and translated into IP addresses
	IGW	-	-	Internet Gateway	VPC component that allows communication between instances in VPCs and the internet
	Route Tables	Routes	Azure Virtual Network Routing	Network Routes/Routing	A set of rules that are used to determine where network traffic from subnets and/or gateways are directed
	NAT Gateways	Cloud NAT	NAT Gateways	Netwrok Address Translation (NAT)	Enable outbound internet traffic from instances in a private subnet
	Virtual Private Gateway	Cloud VPN	Azure VPN Gateway	VPN Gateway	Private connection to VPCs
	VPC Peering Connections	VPC Network Peering	Virtual Network Peering	Network Peering	A networking connection between two VPCs that enables the routing traffic between them using private IP addresses
	VPC Endpoints	Private services, Private Google Access, and/or Shared VPC	Virtual Network Service Endpoint	VPC Endpoints	Privately connects VPC to other cloud and endpoint services
Security	Security Group	Compute Engine firewall rules	Network Security Group	Security Groups	Contains a list of security rules that allow or deny network traffic to resources
	Identity Access Management (IAM)	Cloud IAM	Azure Role-Based ACL (RBAC) and/or Azure AD	Identity and Access Management (IAM)	Manage access to cloud services and resources securely
	Cross-account Roles	Cloud IAM - Service Account	RBAC - Guests	Third Party and/or Guest Access	Grant access to resources in your cloud account, another cloud account you own, or a third-party account
	Auto-scaling group	Compute Engine Autoscaler	VM Scale Sets	Autoscaling	Scales resources (of a group) up or down based on usage and rules
Load Balance	ELB	Cloud Load Balancing	Load Balancer and/or Application Gateway	Load Balancing	Pushes traffic (in a balanced way) across multiple targets in multiple AZs
Compute	Elastic Compute Cloud (EC2)	Compute Engine	Azure VM	Compute Instances	Scalable compute compute instances (servers)
	Elastic Kubernetes Service (EKS)	Google Kubernetes Engine (GKE)	Azure Kubernetes Service (AKS)	Managed Kubernetes (K8s) Service	Allows you to run K8s without needing to install and operate your own K8s cluster
	Fargate	Cloud Run (+GKE)	Azure Container Instances (ACI)	Serverless Container Service	Run containers without managing servers
	Lambda Functions	Cloud Functions	Azure Functions	Serverless Functions	Event-driven, serverless computing service that runs code in response to events and automatically manages the computing resources required by that code
Data	S3 Buckets	Cloud Storage	Blob Storage	Object Storage	Scalable, highly available storage for objects
	Relational Database Service (RDS)	Cloud SQL	SQL Database, Azure Database for MySQL/PostgreSQL	Managed SQL Database Service	Distributed relational database service capable of running multiple sql engines
	Aurora	Cloud Spanner	Azure SQL Database (Managed Instance)	Managed SQL Database Engine	High performance managed sql engine that runs on a cloud's managed sql service
	DynamoDB	Cloud Firestore, Cloud Bigtable, and/or Cloud Datastore	Cosmos DB	Managed NoSQL Database Service	Distributed non-relational database service
	Redshift	BigQuery	SQL Data Warehouse	Data Warehouse	Central repositories of integrated data from one or more disparate sources
	Kinesis	Dataflow (processing) and/or Pub/Sub (ingest)	Stream and/or Data Lake Analytics	Managed Data Stream Processing Service	
Misc	SNS Topics	Cloud Pub/Sub	Event Grid	Pub/Sub Messaging	Fully managed pub/sub messaging service that enables you to decouple microservices, distributed systems, and serverless applications
	SQS Queues	Cloud Pub/Sub	Azure Queue Storage and/or Service Bus	Messaging Queue Service	Fully managed message queuing service that enables you to decouple and scale microservices, distributed systems, and serverless applications.
	Step Functions	-	Logic Apps	Serverless Orchestration	Task, processes, and workflow orchestration
	API Gateway	Cloud Endpoints	API Management	API Endpoints	Single entryway that allows multiple APIs or microservices to act cohesively