AWS vs GCP vs Azure







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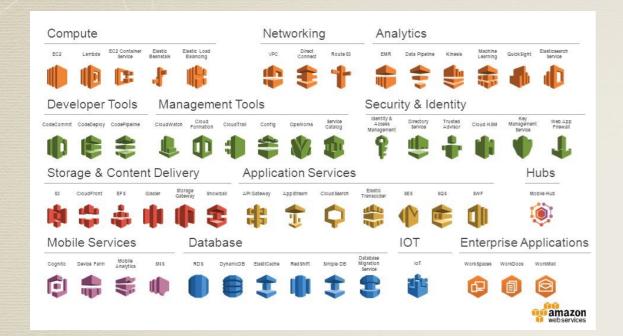
Introduction

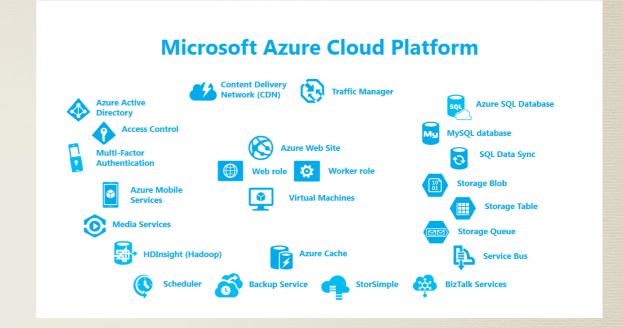
- Why to use Cloud?
 - Security
 - Flexibility
 - Scalability
 - Reduce infrastructure cost
 - Availability

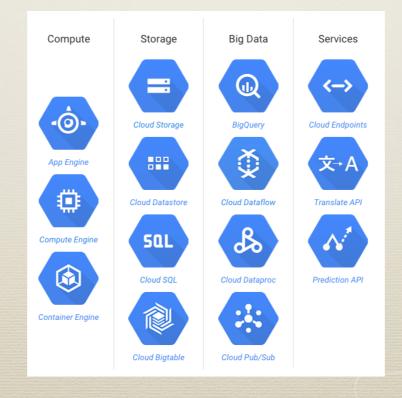
Services

Vendor	Compute Services
AWS	 EC2 Elastic Container Service Elastic Container Service for Kubernetes Elastic Container Registry Lightsail Batch Elastic Beanstalk Fargate Auto Scaling Elastic Load Balancing VMware Cloud on AWS
Microsoft Azure	 Virtual Machines Virtual Machine Scale Sets Azure Container Service (AKS) Container Instances Batch Service Fabric Cloud Services
Google Cloud	Compute EngineKubernetes

Services







Cost

Type of Charges	AWS	Azure	GCP
Cost/Time Granularity	Charges on hourly basis	Charges on minute basis(pre-paid or monthly)	Charges on minute base, minimum 10 minutes
Discounts	Reserved Instances purchased with upfront commitment of 1 year or 3years receives discount(upto 75%)	Reserved Instances purchased with upfront commitment of 1 year or 3years receives discount (upto 72%)	Usage discount on monthly basis (25%-100% of the month receives a discount)
Scaled Compute Service	\$0.336/hr for running Google Compute Engine with 4 vCPU and 15 Gb RAM	\$0.20/hr for running Google Compute Engine with 4 vCPU and 15 Gb RAM	\$0.20/hr for running Google Compute Engine with 4 vCPU and 15 Gb RAM

Compute

Category	AWS	Azure	GCP
Instance Families	7	4	4
Instance Types	38	33	18
Zones	Yes	Yes	Yes
Regions	Yes		Yes

Networking

Category	AWS	Azure	GCP
Virtual Network	VPC	Vnet	Subnet
Public IP	Yes	Yes	Yes
Hybrid Cloud	Yes		
Firewall/ACL	Yes	Yes	Yes
DNS	Route53		

Storage

Vendor	Storage Services	Database Services	Backup Services
AWS	 Simple Storage Service (S3) Elastic Block Storage (EBS) Elastic File System (EFS) Storage Gateway Snowball Snowball Edge Snowmobile 	 Aurora RDS DynamoDB ElastiCache Redshift Neptune Database migration service 	• Glacier
Azure	 Blob Storage Queue Storage File Storage Disk Storage Data Lake Store 	 SQL Database Database for MySQL Database for PostgreSQL Data Warehouse Server Stretch Database Cosmos DB Table Storage Redis Cache Data Factory 	 Archive Storage Backup Site Recovery
GCP	 Cloud Storage Persistent Disk Transfer Appliance Transfer Service 	Cloud SQLCloud BigtableCloud SpannerCloud Datastore	• None

Thank You!