COMPARISON OF CLOUD SERVICES :

- LOAD BALANCING
- AUTOSCALING
- SERVERLESS COMPUTING

LOAD BALANCING

	Amazon Web Service	Google Cloud Platform	Microsoft Azure
SERVICE	Elastic Load Balancing	Cloud Load Balancing	Load Balancing for Azure
TYPES	1. Classic Load Balancer (LAYER 4 & LAYER 7) 2. Network Load Balancer (LAYER 4) 3. Application Load Balancer (LAYER 7)	1. Google Cloud Load Balancer (LAYER 4 & LAYER 7) 2. Network Load Balancer (LAYER 4) 3. HTTP(S) Load Balancer (LAYER 7) 4. Internal Load Balancer: Internal load balancing allows internal traffic to be distributed across a set of back-end instances without the need for a public IP address.	1. Azure Laoad Balancer (LAYER 4) 2. Application Gateway (LAYER 7) 3. Traffic Manager : DNS based traffic Routing Solution

AUTO SCALING

	Amazon Web Service	Google Cloud Platform	Microsoft Azure
SERVICE	Auto Scaling	Instance Groups	• Virtual Machine Scale Sets • App Service Scale Capability (PAAS) • Auto Scaling
DESCRIPTION	It is possible to autoscale EC2 instances within a VPC according to a set of performance metric thresholds defined.	allow you to automatically add or remove instances from a managed instance group based on increase or decrease in load.	Virtual Machine Scale Sets allow VM instances to be automatically added or removed from a VNET based on a set of rules
PRICING	No additional fees for Autoscaling	No additional charges	No incremental charges for the virtual machine scale sets

SERVERLESS COMPUTING

	Amazon Web Service	Google Cloud Platform	Microsoft Azure
SERVICE	AWS Lambda	Cloud Functions (Beta)	• Application Service Platform • Azure Functions • Logic Apps • Web Jobs
DESCRIPTION	• AWS Lambda executes code in response to various triggers. • It takes care of provisioning and managing resources needed to run your lambda function.	• A serverless execution environment for building and connecting cloud services.	• Application Service platform provides a fully managed environment for running applications. • Web Jobs for running background worker processes. • Logic Apps provides integration and work flowsolution • Azure functions is similar to AWS Lambda