

A Comparison of Cloud Vendors: Google, Microsoft Azure and Amazon Web Services (AWS)



If you have made the jump to the cloud, you are probably familiar with three of the largest cloud vendors: Google Cloud Services, Microsoft Azure and Amazon Web Services (AWS). These cloud vendors occupy a majority in the cloud computing space, so you'll likely find yourself dealing with one or the other at some point. On a large scale, these three major cloud vendors offer similar services, but they call them by different names. This table can help you decipher the services offered by these three major cloud vendors.

GOOGLE CLOUD SERVICES	MICROSOFT AZURE	AMAZON WEB SERVICES (AWS)	WHAT IT DOES
Google Compute Engine	Azure Virtual Machines	Elastic Compute Cloud (EC2)	Infrastructure as a Service (IaaS)
Google App Engine	Azure Cloud Services	AWS Elastic Beanstalk	Platform as a Service (PaaS)
Google Cloud SQL	Azure SQL Database	Amazon Relational Database Service	Database as a Service (DaaS)
Google Cloud Bigtable	Azure Table Storage	Amazon Dynamo DB	Scalable SQL database services
Google BigQuery	Azure SQL Database	Amazon Redshift	Relational Databases
Google Cloud Functions	Azure Functions	AWS Lambda	Serverless Applications
Google Cloud Datastore	Azure Cosmos DB	Amazon Simple DB	Highly Scalable NoSQL Database Services
Google Storage	Azure Storage	Amazon Simple Storage Service (S3)	Storage of object, blocks and files. Also for cool and cold storage of data.

Don't pigeonhole yourself! Get a good grasp on what it's like to work with multiple cloud vendors. Check out the vendor-neutral CompTIA Cloud+ certification to get a handle on different cloud vendors and their services.