

		Amazon AWS	Google AppEngin	Microsoft Azure	IBM Smart Business Dev.
Focus		Public	Rapid development & deployment.	Public, fast and easy application development	Private, fast and easy integration with other services.
Infrastructure and virtualization architecture		Available with low cost and uses Direct Connect	Available with limited range(high enough) and low cost	Available with comparatively high cost but easy integration, high <b>scaling</b> , uses MS Azure Express Route	Available with low cost, easy integration and deployment & uses IBM WebSphere
Platforms		IAAS	PAAS	IAAS PAAS	IAAS
Persistent Storage		Dynamo, S3(EC2)	Cloud MySQL, NoSQL	Azure SQL Database	Independent of services, can be bind to any service or application. PS: Some of them have their limitations
Monitoring		Amazon Cloud Watch	Google Cloud Monitoring	Verbose, Uses Ops with Load Balancing techniques in the cloud itself which makes it fast.	IBM Smart Cloud
Load Balancing		Elastic Load Balancing	Through Google Compute Engine, fast and reliable	Azure Load Balancer does Passive replica based on Geolocations which provides 2-level balancing which is good for traffic management	Dynamic Load Balancing; Elastic
Message Queues		Single Queue, fast and scalable	Shares information b/w threads using Push Queue	Azure Data Service Queue using Azure Services	Through IBM WebSphere
Development Tools		Amazon Management Console with SDKS, Toolkits	Google App Engine Platform: PyCharm, Jenkins, Eclipse, IntelliJ J(Scala)	.NET SDK, Azure Powershell SDK	Almost all tools are supported.
Integration with other services		Can be integrated easily with <b>other</b> services	Highly supported, for instance, Maps API v2, Android API, etc	Highly supported	Highly supported with all the services they have within the cloud
Web APIs		Available	Available	Available	Available
Programming Framework		Java, .Net, Ruby	Python, Scala, PHP, Java, Beans, Impala	Node JS, .NET, PHP, Ruby and more runtime frameworks available in the cloud itself	Node JS, Java, .NET, PHP, Ruby, Scala, etc. (almost everything)
Pricing	Machine CPU	\$0.14/hour	\$0.10/hour	\$0.12/hour	\$0.10/hour
	Storage	\$0.25/GB/month	\$0.16/GB/month	\$0.15/GB/month	\$0.15/GB/month
	I/O	\$0.1/1000	\$0.12/1000	\$0.1/1000	\$0.1/1000
	Bandwidth	\$0.10/GB	\$0.10/GB	\$0.10/GB	\$0.10/GB

## Cloud Computing Platforms Comparison

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Class ID: 6