

	Amazon AWS	Google AppEngine	Microsoft Azure	IBM Smart Business Dev.
focus	Infrastructure as a Service	Platform as a Service	Infrastructure as a Service and Platform as a Service	Infrastructure as a Service
Infrastructure and virtualization architecture	Amazon EC2 - Elastic Compute Cloud (32 and 64 bit)  XEN Virtualization	Google Specified Architecture.	Microsoft Azure virtual machines with windows server for backend servers. Hyper-V Virtualization.	virtual machine instances (32 and 64 bit)
Platforms	Different flavors of Windows and Linux operating systems and different versions	Not supported as it is a PaaS	Microsoft Server operating system	Redhat Linux, SUSE Linux and Windows operating systems.
Persistent Storage	Amazon S3, RDS and SimpleDB	App Engine Datastore	Azure Import/Export, Azure File Service, Azure SQL Database, Tables and Blobs	IBM smart business storage cloud with Hadoop based storage and Nirvanix
Monitoring	Amazon Cloud Watch	Google Cloud Monitoring	Azure Management Portal	IBM Smart Cloud Monitoring
Load Balancing	Elastic Load Balancing	Google Compute Engine Load Balancing	Azure Traffic Manager Azure Internal Load Balancing	Not Available
Message Queues	Simple Queue Service, Simple Message Service	PUSH Queues PULL Queues	Azure DataQueues	Not Available
Development Tools	AWS Management Console, AWS Toolkit for Eclipse, AWS Toolkit for Microsoft Visual Studio	Google App Engine SDKs for Java, PHP, Python and Go. Plugin for Eclipse.	<ol style="list-style-type: none"> <li>1. Microsoft Azure SDKs for Java, .NET, Node.js, PHP, Python, Ruby, Mobile and Media.</li> <li>2. Command Line Tools – Windows Power Shell, Azure command-line interface and AzCopy Command-Line Tool for Azure Storage</li> </ol> <p><b>Migration Tools:</b></p> <ol style="list-style-type: none"> <li>1. Virtual Machine Assessment Tools</li> <li>2. Azure Websites Migration Assistant</li> </ol>	Plugin for Eclipse
Integration with other services	Integration is allowed among AWS services.	Google APIs, Task Queue REST APIs.	Only .NET services including live services	Not Available
Web APIs	Supported	Supported	Supported	Supported
Programming Framework	.NET, Java, PHP, Python and Ruby	Go, Java, PHP and Python	.NET, Java, Node.js, PHP, Python and Ruby	Java, Node.js and Ruby
Pricing	Machine CPU	\$ 0.14/Hour	\$ 0.1/Hour	\$ 0.12/Hour
	Storage	\$ 0.25/GB (per Month)	\$ 0.18/GB(per Month)	\$ 0.15/GB(per Month)
	I/O	\$0.01/1000 requests	\$0.02/1000 requests	\$0.02/1000 requests

	Bandwidth	\$0.10/GB	\$0.10/GB	\$0.10/GB	\$0.10/GB
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