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| --- | --- | --- | --- | --- | --- |
|  | | Amazon AWS | Google AppEngine | Microsoft Azure | IBM Smart Business Dev. |
| focus | | Sharpens focus on Public sector, online services client-side | Develop rapidly and execute without administration | [Disaster Recovery and High Availability](http://blogs.technet.com/b/msuspartner/archive/2014/10/14/microsoft-azure-partner-community-focus-on-disaster-recovery-and-high-availability-building-resilient-cloud-applications.aspx) | Private and hybrid cloud |
| Infrastructure and virtualization architecture | | Flexible, reliable, scalable | search engine infrastructure and high traffic infrastructure | Hyper-v vitualization | It can have public, private, open or hybrid clouds |
| Platforms | | IAAS | PAAS | IAAS and PAAS | IAAS |
| Persistent Storage | | Offers persistent block level storage volumes for use with EC2 instances | MySQL using cloud SQL | Azure SQL database in virtual machines, SSD backed storage | Virtual disk drives |
| Monitoring | | Amazon cloud watch | Google cloud uses the monitoring APIs | Azure management portal and Azure diagnostics are used for monitoring. | IBM smart cloud monitoring, what-if-capacity analysis |
| Load Balancing | | Elastic Load Balancing | Automatic load balance | DNS level uses round robin and traffic manager methods, Azure internal load balancing | Elastic load balancing, hydrodynamic load balancing |
| Message Queues | | Amazon simple Queue Service | Push queues, Task queues and pull queues | Azure queues and service Bus queues | IBM Web sphere queues, SoftLayer message queues |
| Development Tools | | Visual studio, eclipse | PyCharm, Eclipse, appstats | Visual studio, Azure SDKs. | Web 2.0 solution tools, IBM Domino Designer Expeditor, Workflow |
| Integration with other services | | DynamoDB, cloudfront | Google cloud services and APIs, GData | Cloud storage, Cloud SQL, Microsofts BizTalk service | Redis,CRM, Memcache, teampoint |
| Web APIs | | Yes(ECS, A2S) | Yes(memcache, XMPP) | Yes(ASP.NET) | Yes(Cast iron) |
| Programming Framework | | Java  PHP  Django | Wsgi  Python | Java  Drupal  PHP  Python | python  Java  Node |
| Pricing | Machine CPU | $0.14 – $0.154/hour | $0.10 / hour | $0.12 / hour | $0.10 / hour |
| Storage | $0.25 -0.275 per GB / month | $0.15 per GB / month | $0.15 per GB / month | $0.15 per GB / month |
| I/O | $0.01 per 1000 IO requests | $0.10/hour | $0.01 per 1000 IO requests | $0.01 per 1000 IO requests |
| Bandwidth | $0.10 per GB | $0.10 per GB | $0.10 per GB | $0.10 per GB |

Cloud Computing Platforms Comparison