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| --- | --- | --- | --- | --- | --- |
|  | | Amazon AWS | Google App Engine | Microsoft Azure | IBM Smart Business Dev. |
| focus | | Client side application | Google Infrastructure Applications | Linux Virtual Machines | Fast Cloud Services |
| Infrastructure and virtualization architecture | | Low cost, reliable and also scalable | High traffic management | Hyper-v is used for the virtualization | Open cloud |
| Platforms | | IaaS | PaaS | IaaS, PaaS | IaaS |
| Persistent Storage | | Block level storage | Storage with transaction, queries | Elastic and scalable | Can be attached to cloud |
| Monitoring | | Watch cloud | Google cloud API | Azure management portal | IBM smart cloud monitor |
| Load Balancing | | Automatic with Amazon EC2 instances | Automatic | Automatic based on the traffic | Random hydro dynamic balancing |
| Message Queues | | It has queuing service of SQS | Pull, Task, Push queue services | Azure bus queue | Web sphere message queue |
| Development Tools | | AWS Toolkit for eclipse, AWS management console, Visual Studio. | GAE SDK | SDK with Visual Studio | Web 2.0, Rational software solutions |
| Integration with other services | | Simple DB, SQS, SS, cloudfront | GAE Database, GData | .NET, live, SQL services | IBM cast iron interface |
| Web APIs | | .NET, Java | Translate, Endpoint | Provides RESTful web services | Cast iron live |
| Programming Framework | | Django  Drupal | Django  Wsgi | Drupal  Sumfony | Python |
| Pricing | Machine CPU | $0.085/hour to $3.16/hour | CPU usage of $0.10/hour | CPU usage of $0.12/hour | CPU usage $0.12/hour |
| Storage | Capacity:5GB to 1TB, $0.10/GB/month | $0.15/GB/month | $0.15/GB/month | Monthly $0.15/GB |
| I/O | For 1 million I/O requests, $0.10 | $0.10/hour | $0.10/hour | For 1 million I/O requests, $0.10 |
| Bandwidth | Bandwidth of 15GB | For incoming $0.10/GB,  For outgoing $0.12/GB | For incoming $0.10/GB,  For outgoing $0.15/GB | Bandwidth of 15GB |

Cloud Computing Platforms Comparison