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| --- | --- | --- | --- | --- | --- |
|  | | Amazon AWS | Google AppEngine | Microsoft Azure | IBM Smart Business Dev. |
| focus | | Public Cloud | Public Cloud | Public Cloud | Hybrid, Private cloud |
| Infrastructure and virtualization architecture | | Uses AWS infrastructure. It provides servers using XEN virtualization. | It uses google app engine as infrastructure for virtualization. | Hyper visor uses the virtualization support | IBM cloud computing infrastructure is used. |
| Platforms | | IAAS | PAAS | IAAS  PAAS | IAAS |
| Persistent Storage | | EBS and EC2 | MySQL using google cloud. | Azure SQL | It is Separated from particular instances |
| Monitoring | | Amazon Cloud Watch | Google Cloud | Azure Management | IBM itself provides Cloud Monitoring |
| Load Balancing | | Elastic Load Balancer | Google cloud Engine | Azure Load Balancer | Elastic Load Balancer |
| Message Queues | | Simple Queue Service | Push , Pull Queue | Azure Data Queues  Service Bus Queues | Web Sphere and Soft layer message queue |
| Development Tools | | AWS management Console, AWS tool kit for Eclipse and for Microsoft Visual studio | Eclipse, IntellIJ, Git, Maven, Net beans, Google Web Kit | .NET, JAVA, Node.js, PHP, Python, Ruby and Azure command line interface | IBM Domino Designer, Connector for SAP Solutions and Integrator for domino |
| Integration with other services | | Dynamo DB, S3(Simple Storage Service) | No.of API’s Available like contacts, Calendar etc. | Microsoft Biz Talk and also with many Saas applications | Sand Box, CRM, intelecom |
| Web APIs | | Available | Available | Available | Available |
| Programming Framework | | .NET  JAVA  PHP  RUBY | Go  Java  PHP | .NET  Java  PHP  PYTHON, RUBY | Java  Node  Ruby |
| Pricing | Machine CPU | 0.14 / hour | $0.10 / hour | $0.12 / hour | $0.10 / hour |
| Storage | $0.25 / GB / month | $0.18 / GB / month | $0.15 / GB / month | $0.15 / GB / month |
| I/O | $0.01 / 1000 requests | $0.02 / 1000 requests | $0.02 / 1000 requests | $0.01 / 1000 requests |
| Bandwidth | $0.10/ GB | $0.10/ GB | $0.10/ GB | $0.10/ GB |

Cloud Computing Platforms Comparison