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| --- | --- | --- | --- | --- | --- |
|  | | Amazon AWS | Google AppEngin | Microsoft Azure | IBM Smart Business Dev. |
| focus | | Iaas | Paas | Paas | Iaas |
| Infrastructure and virtualization architecture | | OS level running on a Xen hypervisor | Application container | OS level through fabric controller | IBM Websphere |
| Platforms | | Linux, Windows, Cent OS. | Linux | Linux, Windows, Cent OS, Debian | Linux, Windows |
| Persistent Storage | | Amazon Elastic Block Store | Google Cloud Storage | Azure Blobs | IBM Persistent Storage |
| Monitoring | | Using Amazon CloudWatch | System Status Dashboard | Management Pack | IBM SmartCloud Monitoring |
| Load Balancing | | Elastic Load Balancing | Compute Engine Load Balancing | Windows Azure Load Balancer | Hadoop Map-Reduce Framework |
| Message Queues | | Amazon Simple Queue Service | Push Queues | Azure Queues, Service Bus Queues | Websphere MQ |
| Development Tools | | Development toolkits for Java, Php, Rails etc | SDKs | Azure SDKs, .NET, Sharepoint, Java, PHP, Python, Ruby. | Rational Tools |
| Integration with other services | | yes | Yes | Yes |  |
| Web APIs | | Yes | Yes | Yes | Yes |
| Programming Framework | | Linux-based Amazon Machine Image (AMI) | Python, Php, .Net | Microsoft .NET, C#,Php, Perl | Java, Node.js, Ruby, C# |
| Pricing | Machine CPU | $0.14 / hour | $0.10 / hour | $0.12 / hour | $0.10 / hour |
| Storage | $0.25 / GB / month | $0.15 / GB / month | $0.15 / GB / month | $0.15 / GB / month |
| I/O | $0.01 / 1000 requests | $0.12 / GB / month | $0.01 / 1000 requests | $0.01 / 1000 requests |
| Bandwidth | $0.10 / GB | $0.10 / GB | $0.10 / GB | $0.10 / GB |

Comparison of Cloud Computing Platforms Comparison

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