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| --- | --- | --- | --- | --- | --- |
|  | | Amazon AWS | Google AppEngin | Microsoft Azure | IBM Smart Business Dev. |
| focus | | Rapidlyy developing what  Customers want to continue | Build and run apps on google infrastructure | Spin up new windows servers and linux virtual machines in minutes | Innovate and realize the benefits of cloudfast |
| Infrastructure and virtualization architecture | | It uses AWS infrastructure | It uses google app engine as infrastructure | Microsoft Azure Express Route is used | IBM cloud computing infrastucture is used |
| Platforms | | Infrastructure as a service | Platform as a service | Infrastructure as a service, platform service service | Infrastructure as a service |
| Persistent Storage | | Instant store disk, EBS volume | My sql, object storage | SQL azure database | It is independent and can be binded to any service |
| Monitoring | | Amazon cloud watch monitoring | Google cloud monitoring | Azure management portal | IBM smart cloud monitoring |
| Load Balancing | | Elastic load balancing | Google compute engine load balancing | Azure load balancer | Uses virtual load balancing to improve the performance of both single and multiple node styles. |
| Message Queues | | Fast, reliable, scalable, fully managed | Push queues, task queue, pull queue | Azure queues and service bus queues | Robust messaging |
| Development Tools | | Amazon SDK with management console | Eclipse,Jenkins, Maven. PyCharm | Azure powershell SDK | IBM domino designer, IBM connector |
| Integration with other services | | 24/7, forums, online/self-service resources | Forums, phones | 24/7 forums, livechat, phone | Livechat, phone |
| Web APIs | | Yes | Yes | Yes | Yes |
| Programming Framework | | .NET, Java, PHP, Python, Ruby | Python | .NET, Java, Node, PHP, Python | Java, node, ruby |
| Pricing | Machine CPU | $0.11/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 | $0.12/1000 | $0.01/1000 | $0.01/1000 |
| Bandwidth | $0.10/GB | $0.10/GB | $0.10/GB | $0.10/GB |

Cloud Computing Platforms Comparison

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