**Cloud Computing Services Comparison (Sandesh,Puppala-class id-42)**

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|  | | Amazon AWS | Google AppEngine | Microsoft Azure | IBM Smart Business Dev. |
| Focus | | Infrastructure | Platform | Public available cloud | Available as Hybrid and private cloud |
| Infrastructure and virtualization architecture | | Launching application is flexible and uploading images is easy | Search various documents based on search criteria it is specification provided by google | Deploy open source software solutions and OS | Dedicated server that have specialized CPU and RAM. |
| Platforms | | IAAS | PAAS | IAAS,PAAS | IAAS |
| Persistent Storage | | ELASTIC BLOCK STORAGE AND SIMPLE STORAGE SERVICE | CLOUD STORAGE AND STANDARD APPLICATION STORAGE | AZURE STORAGE | BULK STORAGE |
| Monitoring | | Cloud watch | Monitoring API in the console of developer | DNS level which uses round robin and network traffic management methods | Smart cloud monitoring tool |
| Load Balancing | | It uses the mechanism of Elastic load balancing | Scale out capabilities in google computer Engine | Azure load balancer | Elastic load balancer |
| Message Queues | | Simple Queue Service, which is a fast, reliable service | Push Queues are used to move the messages | Azure Data Queues. Service Bus Queues | Web sphere and Soft Layer Message Queues |
| Development Tools | | Primary SDKs | The development tools are Eclipse, IntellIJ, Maven, GitHub | Azure SDKs, Azure PowerShell. | It has IBM Domino Designer, Connector for SAP solutions |
| Integration with other services | | All Services work with other Azure Services | Services like Google Maps, Calendar are provided | .NET services like line services. Microsoft Azures Biz Talk Services. | Services of Sandbox, Open clove ,CRM |
| Web APIS | | available | available | available | available |
| Programming Framework | | Python Ruby  PHP | Python | .NET  JAVA  Ruby | Node  Java  Ruby |
| 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 / 1000 requests | $0.01 / 1000 requests | $0.01 / 1000 requests |
| Bandwidth | $0.10 / GB | $0.10 / GB | $0.10 / GB | $0.10 / GB |

Cloud Computing Platforms Comparison