

A Cloud Comparison: Microsoft Azure, Amazon Web Services & Google Cloud

Windows Azure



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Problem Statement

- A recruiting software company, whose goal is to help businesses source the best talent available has become wildly popular.
- As a result of the rapid growth, they look to exceed their ability to rely wholly on Excel as it provides multiple versions of the data, making it unreliable.
- They need a solution that would improve both accuracy and efficiency.
- Our target is to make the company a cloud-based recruiting software company by recommending the best cloud for their business based on the requirements.
- A cloud comparison of Microsoft Azure, Amazon Web Services and Google Cloud is thus performed.

Project Goals

- Requirements Gathering
- Feature Comparison Matrix of AWS, Microsoft Azure and Google Cloud
- Recommend a more suitable cloud platform to our target enterprise

Feature Comparison Matrix

Pricing - Costs related to the installation and maintenance of the cloud.

1. Pricing Model
2. Licensing cost
3. Total Cost of Ownership (TCO) (estimates the cost savings)
4. Education and training cost(cost of training the staff)
5. Support plans
6. Price protection

Feature Comparison Matrix

Compliance - Terms and conditions that the customers need to observe

1. Unique compliance requirements
2. Log and Audit Trail
3. Recovery (restoring the backup data)
4. Disaster Recovery (restoring the data, in case of loss of data center)
5. Business Continuity (ability to maintain the essential function, even after disaster)

Feature Comparison Matrix

Security - how secure is your data

1. Transparency
2. Confidentiality
3. Integrity
4. Access Controllability
5. Loss of Data protection (whether there is any data leakage)

Feature Comparison Matrix

Storage - How well is the storage capability provided by cloud service to its customer

1. Compute
2. Memory
3. Type of Storage

Feature Comparison Matrix

Customer Support - How well the vendor supports its customers

1. Availability of online training, documents and tutorials
2. Learning effort (Time spent for any trainings)
3. Free trainings/ learning tools
4. External faculty requirement
5. Ease of learning/self explanatory tool

Feature Comparison Matrix

Others- Some additional features which we will be considering

1. Analytics
2. Resources
3. Configuring Solutions to meet needs
4. Robust Integration
5. SLA
6. Deployment

Project Deliverables

- 10 User stories in Rally
- Identify the requirements of the enterprise
- Present a feature comparison matrix of AWS, Azure and Google Cloud
- Recommendation to the enterprise

References

Microsoft Azure AWS Guide

<https://www.redpixie.com/blog/microsoft-azure-aws-guide>

Azure vs AWS Cloud Comparison

<http://www.tomsitpro.com/articles/azure-vs-aws-cloud-comparison,2-870.html>

Side by Side Comparison of AWS, Google Cloud and Azure

<https://www.sitepoint.com/a-side-by-side-comparison-of-aws-google-cloud-and-azure/>



THANK YOU!