Task 3 Cloud Readiness Assessment

Thanks again for putting together those benefits, risks and considerations. The second round of presentations with the University IT Leadership team went well.

Whilst remaining aware of the risks you identified, they feel like the benefits and uplift to their environment is well justified. As a result, the team have decided to run a Proof of Concept or POC. A POC is a typical activity that our clients engage us for to test if their applications could run successfully in the Cloud and prove the art of what's possible.

The team is unsure of which 5 applications to select for their POC and have asked us for assistance in conducting a Cloud readiness assessment. Could you help to develop a slide with criteria that indicates whether an application would be suitable for Cloud or not? Heya has already put together a few criteria to help get you started. You can find these in the template provided.

Once you have the criteria developed, could you apply these against the list of applications the University has provided to identify and prioritise the applications you would recommend for the POC?

Criteria that makes an application suitable for Cloud

1. Highly Volatile or Unpredictable Usage Patterns – As we have seen, the applications of the University have erratic usage patterns. Migrating to the Cloud is the better option.
2. Overprovisioned Applications- Applications using 40% or less compute power allotted to them are over provisioned. They can run on lower needs, and if needs increase in future, scaling can be done.
3. Test Environments- Environments having test requirements have be migrated to the cloud.
4. High Compute power requirements- Applications having high compute power requirements can be migrated to the cloud. AI Applications having requirements for GPU etc can run comfortably on the cloud.
5. High Support Requirements- Applications having high support requirements can be migrated to the cloud. The cloud provider often provides support, which might help solve problems in times of need.

Prioritised list of applications

Application	Reason for Usage
Enrolments Plus	The enrolments application would be highly volatile in its usage, with a lot of activity at the start of a term, followed by minimal use throughout. It is not heavily integrated and does not contain sensitive data making it simpler to move to Cloud. Furthermore, the application has Dev/Test environments which could be moved first as part of the transition and is not heavily customised, meaning it will not need significant refactoring to be moved to Cloud.
Echo360	Echo360 is used to stream video and audio content from lectures to students. It has highly volatile use which is well suited to the scalability and elasticity of Cloud infrastructure. In addition, the application is not highly customised and has a lot of data that is not sensitive. Furthermore, the Development and Test environments for this application could be migrated to Cloud first, allowing the developers to sandbox new ideas in the Cloud and get ideas to market faster.
SharePoint	SharePoint has existing SaaS offerings which would accelerate its transition to Cloud. It is somewhat volatile but does not have much in the ways of integration or sensitive data.
Confluence	It is typically used for document storage, which would make it simple to transfer files and does not have any sensitive data or an immense volume of it. Furthermore, the application has minimal customisation meaning it would not require refactoring or changes to the code to move to Cloud.
Student Feedback Survey	The student feedback survey is a simpler application with a low degree of integration, minimal data and only moderate customisation. The application has some development and test environments and does not contain sensitive information making it a low risk option for Cloud transition.

Submitted by-
Sunny Chaudhary sunnychaudharyvlsi@gmail.com