IBM Migration to Cloud - Workload Analysis

Service Definition
MIGRATION TO CLOUD - WORKLOAD ANALYSIS SERVICE

Summary
IBM Workload Transformation Analysis for Cloud uses our IBM Research-developed analytical tool and methodology to produce a detailed, quantitative analysis of both business applications and infrastructure components. This service addresses these key questions:

- Will the workload run in the target cloud environment, e.g. compatible infrastructure, middleware and operating system image?
- Will the target cloud environment satisfy performance, availability and other non-functional requirements?
- Will the target cloud environment comply with applicable security, privacy and regulatory requirements?
- Will benefits be realized from migration, e.g. lower ongoing operating costs, improved service levels or increased flexibility and responsiveness?

From this, we can deliver a prioritised list of suitable workloads for migration to the cloud as well as an analysis showing the potential costs and migration impacts.

Description of Work
a) Helping accelerate adoption of your cloud strategy with better decisions
Using our methodology and analytics tool, we can provide you with the information you need to make decisions about the workloads to migrate to a cloud environment. We can start with structured workshops to review and analyse data based on your current environment, non-functional requirements and your cloud strategy. Our solution feeds the data through our analytics tool to help develop a list of workloads. We then further refine the list, leveraging our knowledge based on many cloud implementations and your non-functional requirements.

b) Providing a prioritised view of workloads for successful migration to cloud
We can leverage our tools and methodology to provide a granular, quantitative analysis of both business applications and infrastructure components to determine your cloud fit. The workloads are examined and filtered based on the agreed-upon criteria and the workloads’ affinity to the target cloud environment defined in your cloud strategy.

c) Delivering a cost analysis for workload migration to cloud
We use your data to develop a cost analysis that can help you understand the operating costs of a given workload on a target cloud.
Optional Capabilities
Whilst the scope of this service is to assess the suitability of groups and individual applications and workloads for deployment in a cloud, IBM consultants can also bring their expertise and IBM assets to assist with and accelerate:

- The detailed planning for application remediation and migration of workload into a cloud infrastructure – this includes consideration of the transfer of data, maintaining availability of production services during the migration, and mitigation of risks
- The selection of additional technologies to address gaps in capability – specification, through vendor and product selection
- The ongoing technical governance of inflight migration projects