An American Insurance company embarked on multi-year AWS cloud migration journey

Challenges

- The client wanted to down their on-prem data center. As a part of this muti-year program, they desired to migrate their non-mainframe applications to the cloud (AWS)
- The client had identified approximately 500 non-mainframe applications, and their associated databases which must be migrated to the cloud within 36 months to accommodate the data center shut down
- The applications included a combination of re-host, Replatform, and refactor dispositions, as well as databases including SQL/Server and Oracle
- Many applications were poorly documented, and owners had limited visibility and knowledge of infrastructure requirements.

Solution

After being awarded the contract to migrate the applications to the cloud, Virtusa:

- Performed a rapid assessment to verify the application inventory, assess the client's readiness to migrate their applications to the cloud, and determine the optimal migration approach.
- To accelerate the migration timelines, Virtusa recommended leveraging AWS's MGN tool and employed a Re-Host First strategy, with Replatforming limited to absolute necessity situations
- To address the limited application knowledge of the resident support teams, Virtusa employed a 'Start Right' team, to perform a detailed application analysis, and prepare the complete descriptive information, to enable the migration team to efficiently move the application to AWS.

Value delivered

Virtusa's depth of knowledge in cloud migrations, has enabled the customer to:

- Reduce the migration timeline from 36 month to 18-24 months, thereby accelerating Data center exit timeline
- Build an accurate and up to date Configuration Management Database, which served as an invaluable tool helping the client to rationalize and further optimize their application footprint
- Pilot and deploy Infrastructure as code tool (Terraform) to define cloud resources in a predictable and repeatable way.

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