Cloud Automation

Situation

- Client is a leader in delivering voice solutions to the leading Telco.
- They have leading solution in voice to text conversion & it is running on Amazon Cloud Infrastructure.
- They need frequent deployment and resource release of AWS instances running on Amazon cloud across the globe.
- They are paying on per hour basis and saving cost by keeping all instances shut down on every week off. This do it manually by U.S. employee and any slip result with huge loss for the client and end-user.
- Support and management of VTT product line over AWS is a challenges due to resource incompatibility

Solution

- We have gathered the instances requirement on per hourly basis and made a database.
- Utilized this database to make an application for instance automatic provisioning and resource management on AWS.
- The developed application has capability for managing automatic instances provisioning and compute release. The key activity are
- Automatic Cloud instance enablement on the AWS infrastructure as per requirement database
  - 24*7 availability monitoring

Cloud Automation Cont..

Solution

- Resource Monitoring and Management
- User Management , log management , Configuration and Security Management
- Patch Management processes, which allow us to keep track of what changes were made to systems and rapidly move to a consistent state.

- Team manages the support of Client's IaaS and developed cloud application
- Team manages the operations of Client's IaaS in 24x7 mode and provides deployment and maintenance of VTT
- The key services that were deployed on Amazon are - Amazon Elastic Compute Cloud (Amazon EC2)

AWS Services Used

AWS Services Used

- Elastic Cloud Compute (Amazon EC2)
- Elastic Load Balancing
- Amazon Simple Queue Service (Amazon SQS)
- Amazon Simple Storage Service (Amazon S3) and
- Amazon Elastic Block Store (EBS)