

Cloud Administration

Description

Infrastructure Support & Cloud Administration & AWS

- ATMECS & Content Team

Challenges:

- Lack of Governance in the new environment
- Lack of proper cloud formation templates
- Requirements for a hybrid cloud model for different applications
- Lack of proper thresholds for alerting

Solution Approach:

- Make sure the operations run smoothly and resolve any production issues at the earliest without downtime
- In case of an outage, follow it up with an RCA, at the earliest
- Make sure that we can continuously monitor our application's behavior and optimize alert thresholds based on historical data
- Make sure that every change to the infra is recorded and documented in CloudFormation Templates (Infrastructure as a code)
- Come up with new suggestions/recommendations as per the industry's best practices
- Try to use fully managed AWS service to have minimal operations overhead

ATMECS Contribution:

- Implemented the best practices of DevOps as well as of Agile methodology across multiple environments in AWS
- Implemented CI/CD pipelines involving Packer, Salt Stack, Jenkins and AWS for web app environments so that the client is confident about the changes in code and its deployment across server
- Created several Jenkins jobs which run across multiple AWS environments to find AWS resources (IPs | ELBs | NameTags | ENICs etc.)
- Created custom dashboards and configured SNS notifications for proactive alerting of any potential outages

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1. Atmecs-Casestudy

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Author

admin

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