Course: IT485

Project: HawkinCloud

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REPORT #1

Management Guidance:

Our "Hawkincloud" first group meeting was scheduled for 31st January during normal class time. We discussed researching each group member's project details, as well as collaborating weekly on the information. We will make it before the due date from the day of the reports until the last day. We created a discord channel bi-weekly summary of the steps project, and it will help more with each member's reports and presentations.

Team Member participant:

Develop a roadmap for the project based on group members' experience and knowledge. This might be a more beneficial way of understanding the concept and how it works. AWS cloud trial project uses the same methodology as the competition company. Our original idea for the project was to make use of AWS CloudTrail and its available metadata and features we can use for the website to point out potential security concerns as a layout in the form of data analytics. We are building more information and a structure base to create a sufficient way to do this. According to members' sources and articles, each member's suggestions emphasize the pros and cons of the proposal. Our plan is to have deliverables assigned to each member by the next meeting such that we can all have particular jobs in mind, as we work together in developing this software.

Output Deliverables:

Now that we have decisively chosen what project we would like to execute, we have some ideas and objectives in mind. Process deliverables side-by-side integrate services related to the complete process and additional add-up based on the below list:

- Full stack project dividing two-part Backend and Frontend, the method can be handled it integrating HTML, Python flask, combining up dashboard and login page easily and productively.
- AWS CloudTrail logs use its new account based on the free tier plan based on and use data logs into an assignable S3 bucket in real-time. That configuration will create IAM

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configuration to the web application's fastest method. Boto3 for Python to create, configure and manage AWS services.

- We are forwarding to democratize data using it same AWS environment to add up more realistic and readable charts in AWS Quick Sight. That will be a beneficial way to do CloudTrail to S3 bucket logs operated by Athena to configure visual data charts which allows logging of Quick Sight events across an AWS account. Fully managed cloud-native process to help 1-click public embedding.

Sources:

https://aws.amazon.com/blogs/big-data/amazon-quicksight-1-click-public-embedding/

https://dev.classmethod.jp/articles/analysis-of-cloudtrail-data-using-aws-quicksight-to-know-about-count-of-accessdenied/

Current Status:

• The way out of each report & presentation will be called by us Beta version (I, II, III, IV, V, VI).

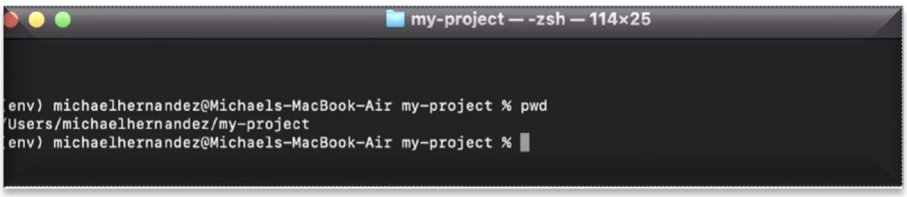
• GitHub page pulled into the "Hawkincloud" website and established each step in there. The definition of the collaboration we had to be done it software continuous integration private GitLab repository until final release.

• Flask development of the project will use it in the GitLab repository and deploy it automatically in a python environment to see errors in all different group members' pulls.

Sources:

https://github.com/Hawkincloud

http://hawkincloud.github.io/dev/



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