# Sprint 8

### CloudTrail & Audit Logs

CloudTrail access status: access

Purpose: Audit log for user log-in attempts & password changes <a href="https://docs.amazonaws.cn/en-us/cognito/latest/developerguide/amazon-cognito-info-in-cloudtrail.html">https://docs.amazonaws.cn/en-us/cognito/latest/developerguide/amazon-cognito-info-in-cloudtrail.html</a>

#### **Configuration Info:**

- Encryption is enabled to encrypt log files containing user information

- S3 Bucket: aws-cloudtrail-logs-274815321855-025e3960

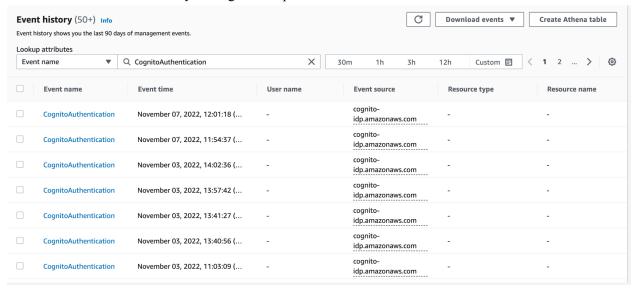
- Trail: Team21-CognitoTrail

- AWS KMS Alias: Team21-cognitokey

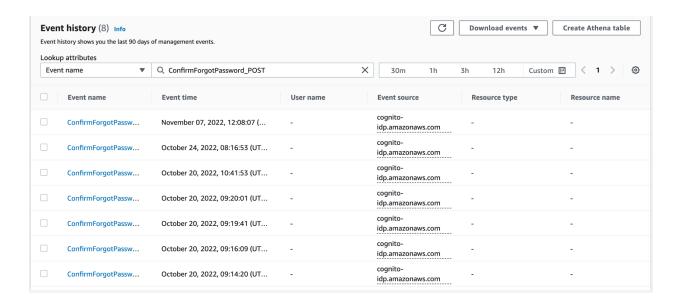
#### How to access the logs:

- CognitoAuthentication -> login attempts

- Cloudtrail event history for login attempts:



- Can download as CSV or JSON
- <u>ConfirmForgotPassword</u>, forgotPassword, confirmgetpassword\_post -> Cognito Password changes
  - New password: \$amTest123



- Management events for API activity
  - <a href="https://docs.amazonaws.cn/en\_us/awscloudtrail/latest/userguide/cloudtrail-create-a-trail-using-the-console-first-time.html">https://docs.amazonaws.cn/en\_us/awscloudtrail/latest/userguide/cloudtrail-create-a-trail-using-the-console-first-time.html</a>

#### Links:

https://docs.aws.amazon.com/cognito/latest/developerguide/cognito-user-pool-settings-adaptive-authentication.html

https://docs.aws.amazon.com/cognito/latest/developerguide/user-pool-settings-viewing-advanced-security-metrics.html

### Load Balancer & WAF

- ALB Info:
  - Target Group: Team21-TargetGroup
  - Http protocol port 80
    - Port that apache listens to

- LB sends traffic to that
- Team21 VPC

#### **Target Group:**

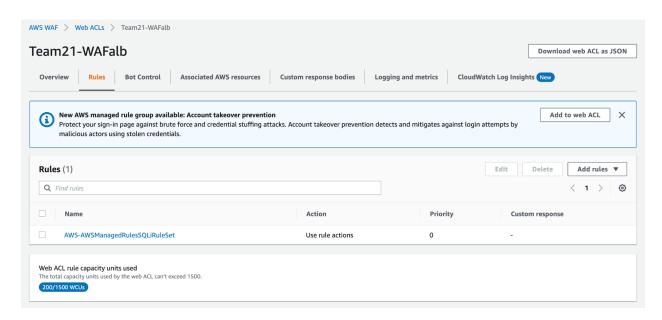


#### Load Balancer:



#### WAF ACL:

- Team21WAF-alb
- SQL Database managed rule



## Ideas:

- SNS "notification delivery" for other audit logs to also configure messages?

### Notes:

- Next Sprint:
  - Fix the scalability issue
  - Grey out buttons if profile has not been completed
  - Welcome username will become first and last name
  - Make it say "please complete your profile" if they have not entered a name
  - View as a driver
  - Driver information, listing all sponsors
  - Sponsor information, listing all drivers