

TICKET DESCRIPTION

ENG - 34

### Sanitize Firebase Credentials

DEVELOPMENT TASK SUMMARY

Sanitizing Firebase credentials that are being logged in the ARCHPay Smith Edition payment gateway and forwarded to Datadog for monitoring and analysis, posing a security risk. The goal is to identify all the locations where credentials are being logged and implement robust log sanitization to ensure the credentials are properly masked or removed before being sent to Datadog or other monitoring system.



Status **IN-PROGRESS**

Assignee

### Task classification

Risk Severity

**INTERVENE**

Confidence

**HIGH**

Risk Categories

**HIGH**  
CONFIDENTIALITY

**MEDIUM**  
INTEGRITY

**MEDIUM**  
AVAILABILITY

### Identified concerns

1. **INEFFECTIVE OR INADEQUATE LOG SANITIZATION**

2. **LACK OF COMPREHENSIVE TESTING AND VALIDATION OF THE LOG SANITIZATION FUNCTIONALITY**

### Sample recommended security requirements

#### IMPLEMENT ROBUST LOG SANITIZATION MECHANISMS



Develop and implement comprehensive log sanitization mechanisms to ensure that all Firebase credentials are properly masked or removed from the logs before they are sent to Datadog or any other monitoring/logging system.

##### Implementation Guidance

1. Identify all locations in the codebase where Firebase credentials are being logged, including AWS Lambda functions, API Gateway endpoints, DynamoDB tables, and S3 buckets.

Code example generated by AI



```
def identify_firebase_credential_logging_locations (codebase_path):
    firebase_credential_locations = []
    for root, dirs, files in os.walk(codebase_path):
```

2. Configure Amazon API Gateway to sanitize logs before forwarding them to Datadog, removing any Firebase credentials.

#### MAINTAIN DETAILED DOCUMENTATION AND RUNBOOKS



Update the relevant documentation and runbooks to reflect the changes made to the log sanitization process, ensuring that all team members are aware of the new procedures and can easily reference them. This will help maintain the integrity of the log sanitization process and facilitate knowledge sharing across the organization.

##### Implementation Guidance



#### IMPLEMENT A COMPREHENSIVE CODE REVIEW PROCESS



Establish a thorough code review process to ensure that all potential locations where Firebase credentials are being logged are identified. This will involve reviewing the codebase, including any third-party libraries or frameworks, to detect any instances where sensitive information may be inadvertently logged.

##### Implementation Guidance



Want to learn more?



[Book a demo here](#)