Coinbase Infrastructure Security Audit

Client: Coinbase
Status: In Progress
Created: 10/16/2025

Findings

1. Coinbase Report
Severity: Medium
Status: Closed
Found a memory leak in function Y, line 14. The function repeatedly allocates new objects on each API call without proper garbage collection. Over time, this causes the system to slow down significantly and consume increasing memory resources.

Steps to reproduce:
1. Initiate a sequence of 1,000 consecutive API calls using the /getUser endpoint.
2. Monitor heap usage via Node.js inspector.
3. Observe that heap size does not return to baseline after each request.

Recommendation:
Refactor function Y to use scoped variables and ensure objects are released from memory. Implement heap snapshot analysis as part of CI/CD testing to prevent regression.

Impact:
Potential performance degradation and increased operational costs for high-volume workloads. The issue is currently isolated to the analytics service, but could spread to related microservices if left unresolved.

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2. Coinbase secocnd
Severity: Low
Status: In Progress
testing this is a test desc.

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3. Coinbase second
Severity: Critical
Status: In Progress
testing this is a test desc. testing once again using the same json

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4. test
Severity: Low
Status: Open
testign

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5. testing again
Severity: High
Status: In Progress
hello

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6. testing once again

Severity: Low
Status: Open
hello

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7. please TEST

Severity: High
Status: Open
please