

training - Bug #2745

Review and Optimize Application Logging Across All Services

06/17/2026 09:23 AM - Piyush Vijay

Status:	New	Start date:	06/17/2026
Priority:	Normal	Due date:	
Assignee:	Yashaditya Singh	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	9.00 hours
Description			
Module Platform Services / Logging Framework / Performance Optimization			
Background			
Several application services generate a large volume of logs, resulting in increased database storage consumption, archive costs, and operational overhead. A comprehensive review is required to identify unnecessary, duplicate, verbose, and low-value logs across all services.			
Objective			
Review all microservices and applications to ensure only meaningful, actionable, and audit-required logs are retained while eliminating excessive logging that does not provide operational or business value.			
Scope			
Service Review			
Review logging implementation across all services.			
Identify:			
Duplicate log entries			
Debug logs enabled in production			
Repeated heartbeat/status logs			
Excessive request/response payload logging			
Unused informational logs			
High-frequency logs with low business value			
Redundant exception logging			
Log Classification			
Categorize logs into:			
Critical			
Error			
Warning			
Audit			
Information			
Debug			
Review whether each log category is required in production.			
Optimization Activities			
Remove unnecessary logs.			
Convert verbose logs to debug level where applicable.			
Reduce repeated logs generated in loops, schedulers, and polling operations.			
Ensure sensitive information is not logged.			
Standardize logging format across services.			
Impact Assessment			
Estimate reduction in:			
Log volume			
MongoDB storage usage			
Archive storage usage			
Log processing overhead			
Deliverables			
Service-wise logging review report.			

List of logs removed or downgraded.
Recommended logging standards document.
Estimated storage savings after implementation.
Acceptance Criteria
All services reviewed for logging efficiency.
Unnecessary and duplicate logs identified and removed.
Production logging levels validated.
Critical audit and error logs remain unaffected.
Logging standards documented and shared with the team.
Storage and performance impact assessment completed.
No impact on troubleshooting, monitoring, or audit requirements.
Expected Outcome

Reduced log storage growth, lower archive costs, improved application performance, and a standardized logging strategy across all services.

History

#1 - 06/17/2026 09:23 AM - Piyush Vijay

- Assignee set to Yashaditya Singh

#2 - 06/17/2026 09:26 AM - Yashaditya Singh

I Worked on validating and testing all logger information across the EVCSMS project. I thoroughly reviewed logging across different modules and workflows to ensure that all critical events, actions, and system activities were being captured correctly. I verified log accuracy, checked for missing or incorrect log entries, and confirmed that the logging behavior aligned with application requirements. Additionally, I cleaned up the EVCSMS project by removing unnecessary, redundant, and debug logs that were no longer required. This effort improves log readability, reduces noise in log files, and enhances overall monitoring and troubleshooting efficiency across the system.