

JUTOBOOST

TECHNOLOGY VALUE ASSESSMENT

BY JUTOMATE

JutoBoost Assessment Report

Client Cybersecurity Company (Anonymized)

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Version 1

Prepared by Jutomate

EXECUTIVE SUMMARY

1 EXECUTIVE SUMMARY

The organization requested a focused assessment after cloud costs continued to increase despite multiple optimization efforts and no significant change in workload.

The assessment identified several high-impact opportunities related to Spark configuration, infrastructure settings, and monitoring capabilities. These recommendations can significantly improve operational visibility, stabilize cloud spending, and reduce unnecessary resource consumption without requiring a major technology transformation.

2 ASSESSMENT OBJECTIVE

Identify the root causes of increasing cloud costs, evaluate the current technology environment, and recommend high-impact improvements that maximize business value while minimizing implementation effort.

3 ASSESSMENT OVERVIEW

	ASSESSMENT DURATION	20 Hours
	TECHNOLOGY SCOPE	Cloud Infrastructure, Big Data Platform, Apache Spark, Monitoring
	AREAS REVIEWED	Spark Configuration, Infrastructure Configuration, Monitoring & Observability, Operational Procedures
	OVERALL TECHNOLOGY HEALTH	Needs optimization

4 EXECUTIVE SCORECARD

	COST EFFICIENCY	Immediate attention	
	PERFORMANCE	Needs Optimization	
	RELIABILITY	Good	
	MONITORING	Immediate attention	
	AUTOMATION	Needs Optimization	

GOOD NEEDS OPTIMIZATION IMMEDIATE ATTENTION



OVERALL ASSESSMENT

The environment is operationally stable but requires immediate optimization in monitoring and cloud resource management to improve cost efficiency and long-term operational visibility.

EXECUTIVE RECOMMENDATIONS

5 EXECUTIVE RECOMMENDATIONS (SUMMARY)



RECOMMENDATION SUMMARY

Based on the assessment, we identified several high-impact improvements that can be implemented without major architectural changes. We recommend prioritizing the immediate Quick Wins to stabilize the environment, improve visibility, and maximize technology value before considering larger initiatives.



PRIORITY RECOMMENDATIONS

- 1 Optimize Spark Configuration**
Improve resource allocation and execution parameters to reduce unnecessary compute consumption.
- 2 Strengthen Monitoring & Observability**
Implement monitoring and alerting capabilities to improve visibility into cost drivers and platform performance.
- 3 Review Infrastructure Configuration**
Validate infrastructure settings and operational procedures to ensure efficient resource utilization.



EXPECTED OUTCOME

Lower cloud costs	Better operational visibility	Improved platform stability	Continuous optimization capability



NEXT STEP

Detailed findings, implementation guidance, and supporting evidence are provided in the following sections of this report.

PRIORITIZED OPPORTUNITIES

The following opportunities were identified during the assessment and prioritized based on expected business impact and implementation effort.

#	OPPORTUNITY AREA	EXPECTED BUSINESS IMPACT	IMPLEMENTATION EFFORT	PRIORITY
1	Spark Configuration Optimization	High	Low	Immediate
2	Monitoring & Observability Optimization	High	Low	Immediate
3	Infrastructure Configuration Optimization	Medium	Medium	Planned
4	Operational Process Optimization	Medium	Medium	Planned
5	Cost Governance Improvement	Medium	High	Future Phase



Where appropriate, selected Quick Wins may be implemented within the agreed assessment scope. Remaining opportunities are prioritized for future implementation.

ASSESSMENT SUMMARY



POTENTIAL QUICK WINS

2



SEPARATE IMPLEMENTATION OPPORTUNITIES

3



TOTAL OPPORTUNITIES IDENTIFIED

5

Thank You

We appreciate the opportunity to provide this assessment and look forward to supporting your continued success.



JutoBoost

Technology Value Assessment

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