

Technical Risk Assessment

XZ

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Overall Technical Risk Rating

CRITICAL

Key Findings

Copyright (GPL/AGPL) licence contamination detected — may impose open-source obligations.

96.4% of core files have high single-developer concentration — critical bus factor risk.

1 known supply chain incident involving this package directly.

Transaction Implications

The codebase presents material technical risk that should be factored into transaction pricing and post-acquisition planning. Targeted remediation (estimated timeline in the table below) should be budgeted as a post-acquisition cost.

Engineering Stabilisation Estimate

CATEGORY	SEVERITY	ESTIMATED EFFORT
Licence Resolution	CRITICAL RISK	Legal review + 1-5 days engineering
Knowledge Transfer	MEDIUM RISK	Ongoing (2-4 weeks structured program)
Supply Chain Review	CRITICAL RISK	1-3 days

Overall: 1 critical area requiring immediate action; 3 high-severity areas for short-term remediation; 2 medium-severity items for the integration roadmap; operational concerns in governance requiring ongoing practice change.

Estimates assume a senior developer familiar with the technology stack.

Tech Stack Summary

METRIC	VALUE
Primary language	C
Total lines	71,787
Dependencies	0
Test file ratio	8.5%

Polaris Conclusion

This codebase carries critical-level technical risk. Operational and structural risks are the primary concern. Remediation costs should be factored into transaction pricing and a stabilisation sprint planned for post-close.

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