

Technical Risk Assessment

grafana

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Overall Technical Risk Rating

CRITICAL

Key Findings

4 confirmed credentials in source — immediate rotation required.

2 critical CVEs in dependencies — known exploit paths may exist.

Project released under copyleft licence (AGPL-3.0) — acquirer should assess obligations.

23 circular dependencies — increases refactoring cost and integration risk.

2 critical supply chain incidents matched against project dependencies.

Transaction Implications

The codebase presents material technical risk that should be factored into transaction pricing and post-acquisition planning. Security exposure (credentials and/or vulnerable dependencies) represents the primary risk vector and should be remediated pre- or immediately post-close. Targeted remediation (estimated timeline in the table below) should be budgeted as a post-acquisition cost.

Engineering Stabilisation Estimate

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

Overall: 9 critical areas requiring immediate action; 15 high-severity areas for short-term remediation; 57 medium-severity items for the integration roadmap.

Estimates assume a senior developer familiar with the technology stack.

Tech Stack Summary

| METRIC | VALUE |
|------------------|------------|
| Primary language | TypeScript |
| Total lines | 4,062,754 |
| Dependencies | 1337 |
| Test file ratio | 26.0% |

Polaris Conclusion

This codebase carries critical-level technical risk. The combination of 9 credential findings and 46 known vulnerabilities requires immediate attention. Remediation costs should be factored into transaction pricing and a stabilisation sprint planned for post-close.

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