

Annual benchmark report

State of Dependency Governance 2026

Findings from 100 JavaScript and TypeScript repositories

70.7% of the median dependency footprint is inherited.

100

Repositories
analyzed

83%

Crossed the deep-
graph threshold

41%

Showed a
concentration
hotspot

94%

Produced nontrivial
review work

BENCHMARK
COHORT: 100
REPOSITORIES

FOCUS: DEPENDENCY GOVERNANCE,
TRANSITIVE COMPLEXITY, AND
REVIEWABILITY

PREPARED FOR
PUBLIC RELEASE

Key Findings

SCALE

The median repository in the cohort contained 1,570.5 dependency nodes, with a long tail of substantially larger graphs.

TRANSITIVE RELIANCE

The median transitive share was 70.7%, which means inherited complexity dominates many real projects.

DEPTH

Eighty-three percent of repositories crossed the current deep-graph threshold, making traceability and review harder.

CONCENTRATION

Forty-one percent of repositories showed a concentration hotspot where one package influenced at least 10 percent of the graph.

Why this report exists

Open source dependency review is often framed as a vulnerability problem. That framing is too narrow for organizations that need to explain decisions, retain evidence, and revisit dependency posture over time.

This benchmark is intended to give compliance teams, security practitioners, and engineering leaders a common baseline for discussing dependency governance as an operating problem, not just a scanning problem.

Who This Report Helps

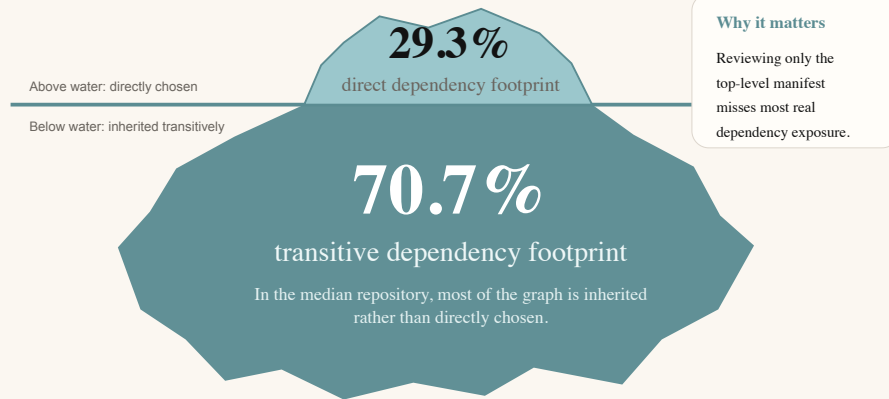
- Compliance and GRC teams that need durable dependency review evidence
- Security and AppSec teams that need structural risk context beyond CVEs
- Engineering leaders and technical stakeholders responsible for dependency debt, reviewability, and maintenance posture

At a Glance

Direct vs Transitive Dependency Iceberg

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What teams explicitly choose versus what they inherit transitively.



Typical Repository Snapshot

Typical Repository Snapshot

A shareable snapshot of the median project in the 100-repository cohort.

1,570 Dependencies	766 Transitive dependencies	17 Levels deep
83% Chance of deep graph	41% Chance of concentration hotspot	94% Chance of review work

Preview Note

This sample includes the cover, key findings, and lead visuals from the full report.

The complete benchmark continues with opening analysis, methodology, category comparisons, governance implications, recommendations by audience, future expectations, and appendix tables.