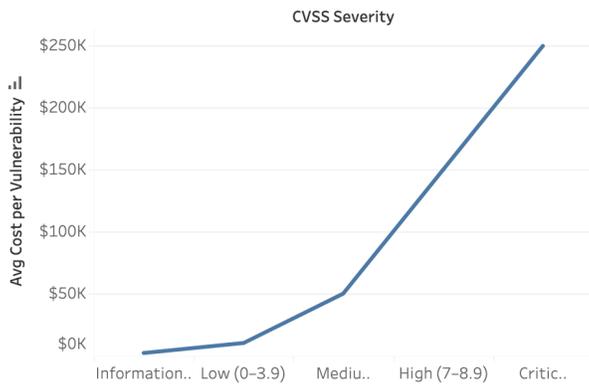


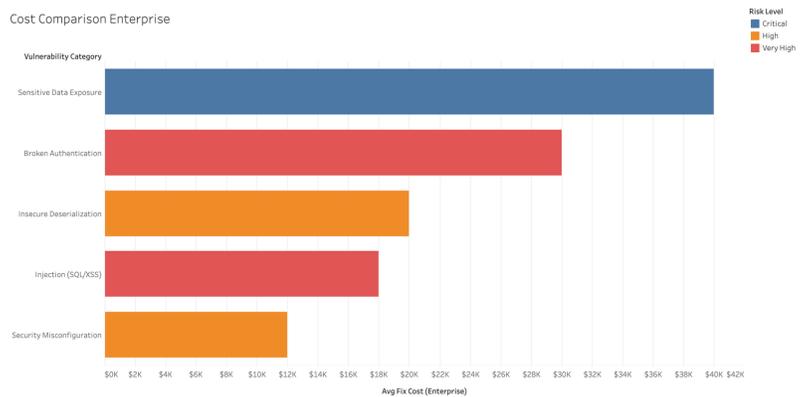
Financial Impact of Software Security Risk

White Paper

Cost v. Severity



Cost Comparison Enterprise

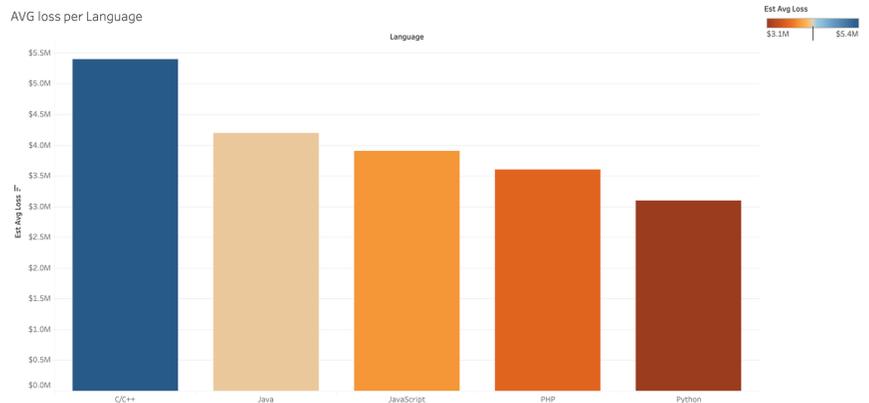


Breach cost by Industry

Industry	Avg Time to..	Data Sensitivity	Avg Breach Cost
Healthcare	329 days	Very High	\$7.4M
Finance	256 days	High	\$5.9M
Technology	234 days	Medium	\$4.7M
Retail	210 days	Medium	\$3.3M
Education	241 days	Low-Medium	\$3.0M

Avg Breach Cost: \$3.0M to \$7.4M

AVG loss per Language



Pervaziv AI

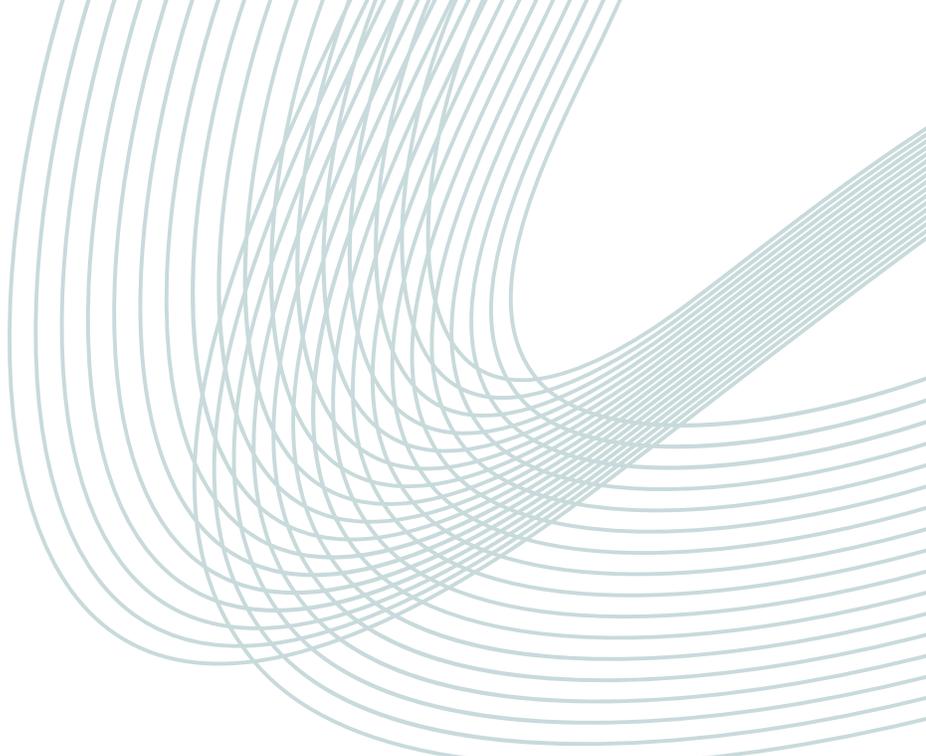


TABLE OF CONTENTS

Executive Summary	3
Background and Landscape	4
Vulnerability Metrics	5
Enterprise Software Ecosystem	6
Remediation and Breach costs	7
Our Solution	9
Conclusion: Impact of Pervaziv AI	12

EXECUTIVE SUMMARY



Software security risk is a material and growing financial exposure for organizations of all sizes as reliance on complex software continues to increase. Modern applications contain extensive custom code and third-party components, driving higher defect rates and a steady presence of known vulnerabilities. Industry data shows that most security incidents stem from software quality issues such as insecure design, coding flaws, and delayed patching, with typical enterprise applications carrying dozens or more vulnerabilities at any time.

At Pervaziv AI, we quantified the financial impact of Software Security Risk and in this detailed white paper, we can show you why proactive security is the most cost-effective strategy for your organization in the long term.

BACKGROUND AND LANDSCAPE

Software Quality:

- Poor software quality alone drives ~\$2.41 trillion annually in global economic impact.
- Proactive remediation costs are several orders of magnitude lower than breach costs

Breach Costs:

- Industries handling sensitive personal or financial data experience both higher breach costs and longer containment times, compounding total impacts

Fixing vulnerabilities early:

- Spending \$10K-\$25K proactively avoids multi-million-dollar losses later

High Severity Issues

- High-frequency CWEs combined with high severity create compounding financial risk, especially when vulnerabilities are both common and exploitable.

Supply Chain Risks

- Supply chain risks demonstrate a strong positive correlation between incident frequency and breach cost, particularly in high-complexity environments.
-



Pervaziv AI

QUESTIONS? CONTACT US.



<https://pervaziv.com>



contact@pervaziv.com

This document and its contents are proprietary to Pervaziv AI. All rights to the content, design, and materials presented herein are reserved. No part of this whitepaper may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without prior written permission from Pervaziv AI.