

When Making a Build vs. Buy Decision About IAM and Dynamic Authorization, Remember **DIY'S HIDDEN COSTS**



Human Costs



Cost of Risk



Cost of Technical Debt



Competitive Losses



Opportunity Costs

Human Costs:

Building and Maintaining Effective Authorization Takes Specialized Expertise



\$104,463

ANNUAL SALARY
Typical Software Engineer¹



\$165,732

ANNUAL SALARY
Senior Security Engineer²

SOURCES:

¹glassdoor.com/Salaries/software-engineer-salary-SRCH_KO0,17.htm; ²glassdoor.com/Salaries/senior-security-engineer-salary-SRCH_KO0,24.htm

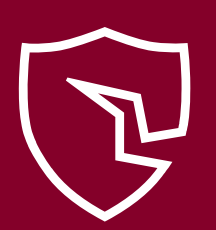
Cost of Risk: Mistakes are Expensive

\$3.6
MILLION



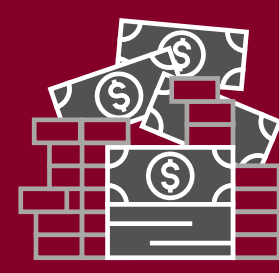
Average Cost of Data Breach³

Organizations Without a Mature Approach to Identity and Access Management see



2X
MORE BREACHES⁴

\$5+
MILLION

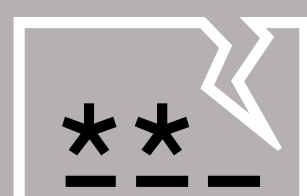


more per breach in costs than those that do IAM right⁵

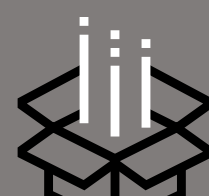
LIKELIHOOD OF MAKING A MISTAKE



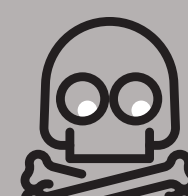
Not a security company + security dev is not your core business = easy to leave out key features



Broken access control is one of the Top 10 security mistakes developers make



Open source components many DIY builds depend on are highly insecure

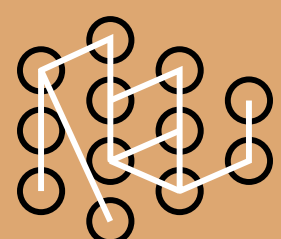


67% of applications using an open source component have vulnerabilities in those components⁶

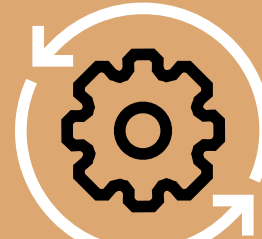
SOURCES: ³www-01.ibm.com/common/ssi/cgi-bin/ssialias?htmlfid=SELO3130WWEN; ⁴infosecurity-magazine.com/news/iam-maturity-means-half-the-; ⁵owasp.org/images/7/72/OWASP_Top_10-2017_%28en%29.pdf.pdf; ⁶blackducksoftware.com/sites/default/files/images/Downloads/Reports/USA/OSSRA17_Rpt_UL.pdf

Cost of Technical Debt: DIY Authorization won't scale with you

The cost of hard-coding security rules into APIs or microservices of applications translates into higher technical debt for two big reasons:



HIGHER CODE COMPLEXITY



PACE OF POLICY CHANGES
creating a constant need to change the code itself

Higher technical debt inevitably leads to higher cost of maintenance. This could be a huge iceberg waiting to sink the project.

90%

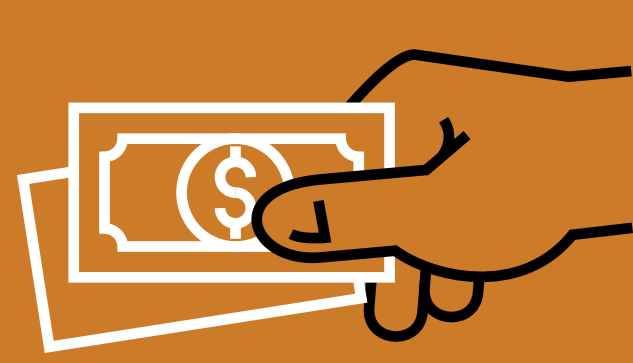
of the software's TCO will be hidden in the maintenance phase⁷



Expect to pay

15-20%

annually to keep your DIY Software running⁸



SOURCES: ⁷90% of the software's TCO will be hidden in the maintenance phase; ⁸fiercewireless.com/developer/maintaining-app-critical-to-its-overall-success

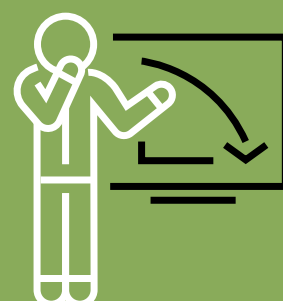
Competitive Losses:

DIY Projects are a Speedbump in Time to Market



45%

of Large IT projects run over budget⁹



56%

of Large IT projects deliver less value than planned⁹



17%

go so poorly they "threaten the very existence of the company"⁹



68%

of CEOs demand DevOps teams not do anything that slows the business down¹⁰

SOURCES: ⁹McKinsey Consulting; ¹⁰helpnetsecurity.com/2018/03/02/secops-reality-gap/

Opportunity Costs:

All for a component that doesn't deliver value to business

"Taking a DIY approach ultimately monopolizes resources you could otherwise devote to application development. Devoting efforts to the core transaction is where the business can differentiate itself from its competition."
— Capgemini Consulting

Use **Developer resources wisely!**



Visit www.axiomatics.com for more information. Or, for questions on our dynamic authorization suite, email webinfo@axiomatics.com and we'll be in touch immediately.

