

HOW TO MEASURE THE ROLOF APPLICATION SECURITY TRAINING

Some key stats to consider



210% new vulnerabilities per year in the National Vulnerability Database



92% of developers feel pressure to release code to market faster



Top 50 US university coding programs currently don't require their students to take secure coding courses

The Impact of an Application Security Risk

Almost 95% of data breaches last year were on web apps, and 56% of the biggest incidents in the last 5 years tie back to web app security issues. It often takes more than eight months to find a web app exploit, which means that your business and your customers can be exposed to attackers for an extended period of time.



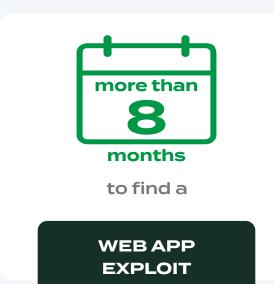
last year were on

WEB APPS



in the last **5 years** tie back to

WEB APP SECURITY ISSUES





Organizations are paying attention to the impact of an application security risk and taking steps to protect themselves and their customers.



Attacks on web apps have cost

over \$7.6 billion, representing

42% of all financial losses from attacks.

training programs, with short overview sessions such as OWASP 10.



Cost to Remediate Vulnerabilities

5,000 vulnerabilities

A team is faced with

of the vulnerabilities

They fix at least 30%

1,450 vulnerabilities to fix

hours each

@ **7**



Let's look at the calculations:













\$757,215



hours of developer work

The total average cost to remediate vulnerabilities is \$757,215 annually.

* This assumes a 150k salary.

AppSec Training Program costs include:

Cost of AppSec Training Programs

• Cost of the education platform license

Cost of the time for developers to complete the training (hourly pay)

Calculations for a team of 100 developers

\$36,000Average cost of the education platform

12 hours per year

@ \$72/hour =

\$86,400

Time to complete training

Calculating The ROI

Taking our calculations for above:

yearly
Total average cost to
train 100 developers on

\$122,400/

application security

The total average cost to remediate vulnerabilities is \$298,932 annually.

oin 100 developers on application of

The total average cost to **train 100 developers** on application security is **\$122,400 annually**.



(757,215 – 122,400) 122,400

This calculation shows that **AppSec Education** is **5x ROI**, assuming you can prevent the same **29-30% of vulnerabilities** you would want to remediate each year. So not only are you preventing vulnerabilities

- = 5x ROI

and reducing exposure – your AppSec Training Program is paying for itself.



We help enterprises reduce vulnerabilities with application security education for developers and all individuals involved in creating software. Development teams are empowered through practical, skill-oriented secure coding training that easily satisfies compliance needs and goes beyond to build a security-first development culture.