Helping Developers Do Security The Right Way

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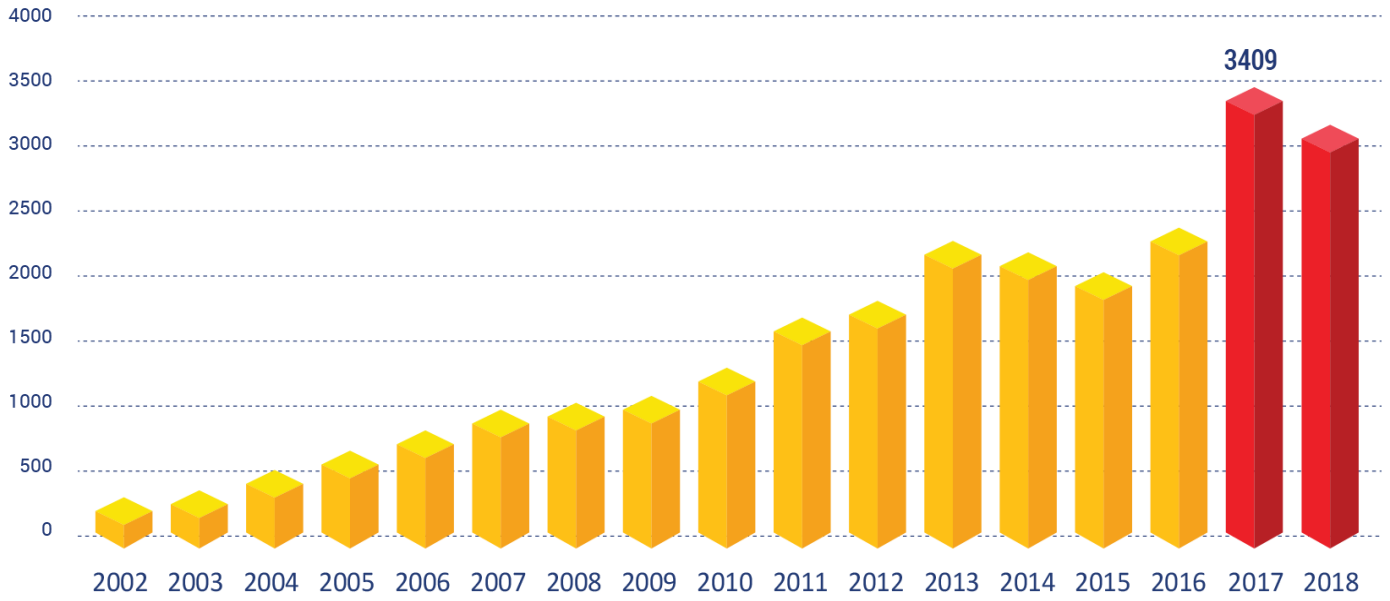
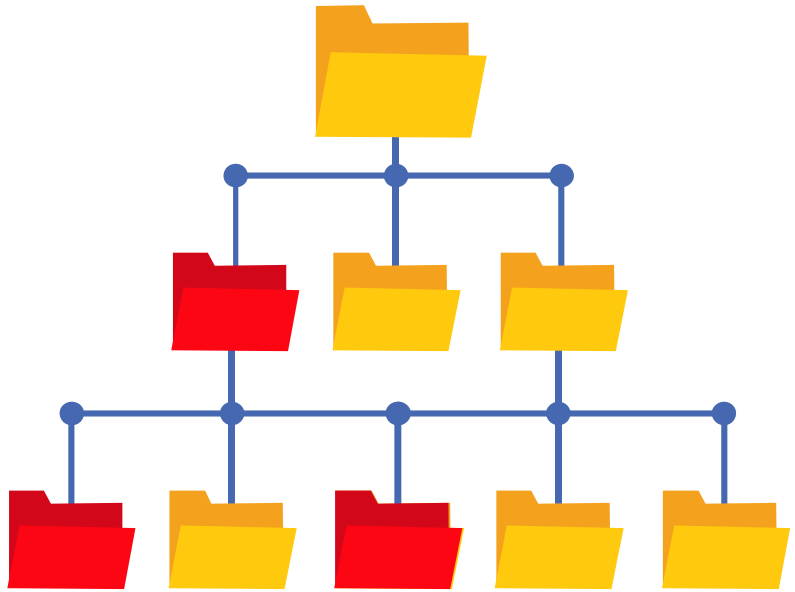
THE CHALLENGE

Reported Vulnerabilities Are Rising



Transitive Dependencies



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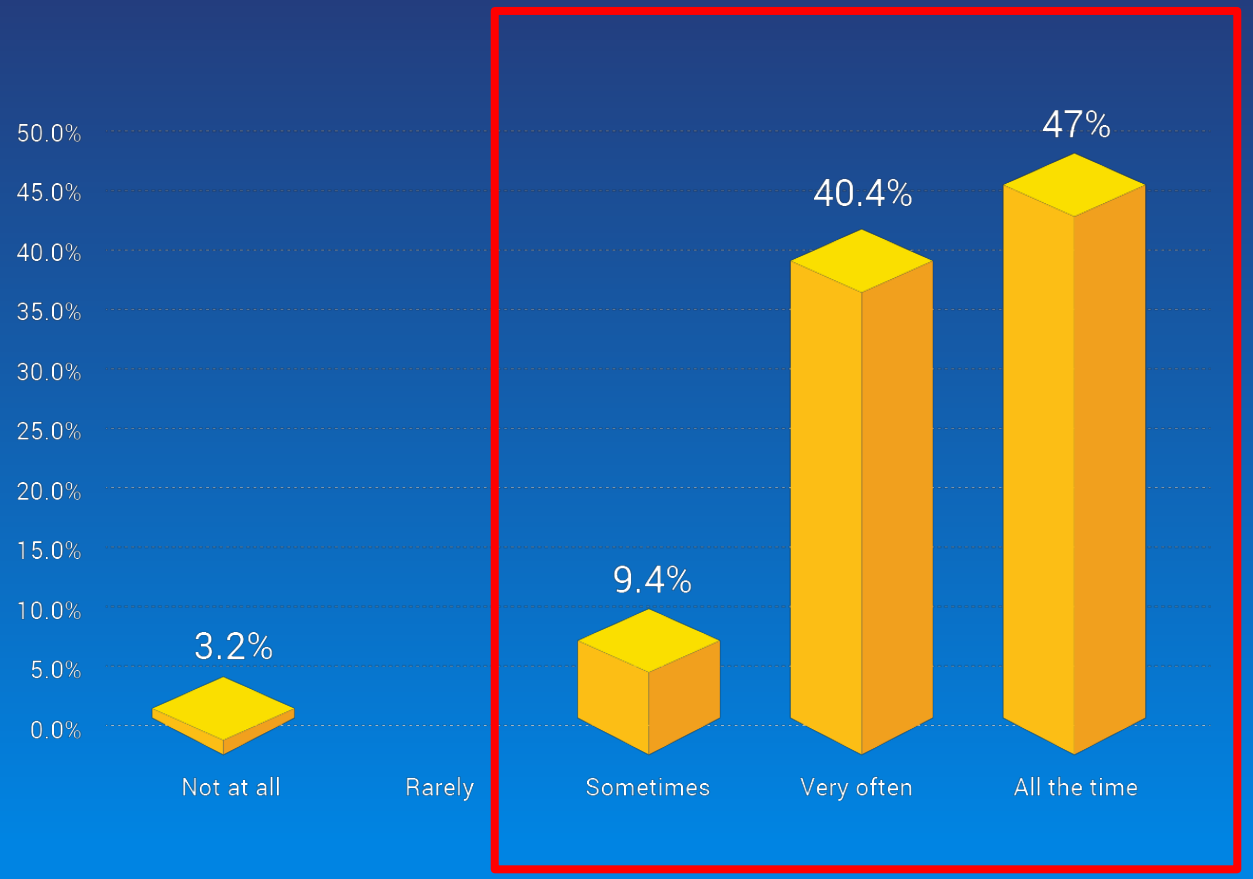
OPEN SOURCE SECURITY VULNERABILITIES ARE ON THE RISE

A substantial number of developers are affected

>96%

of the developers are relying on open source components



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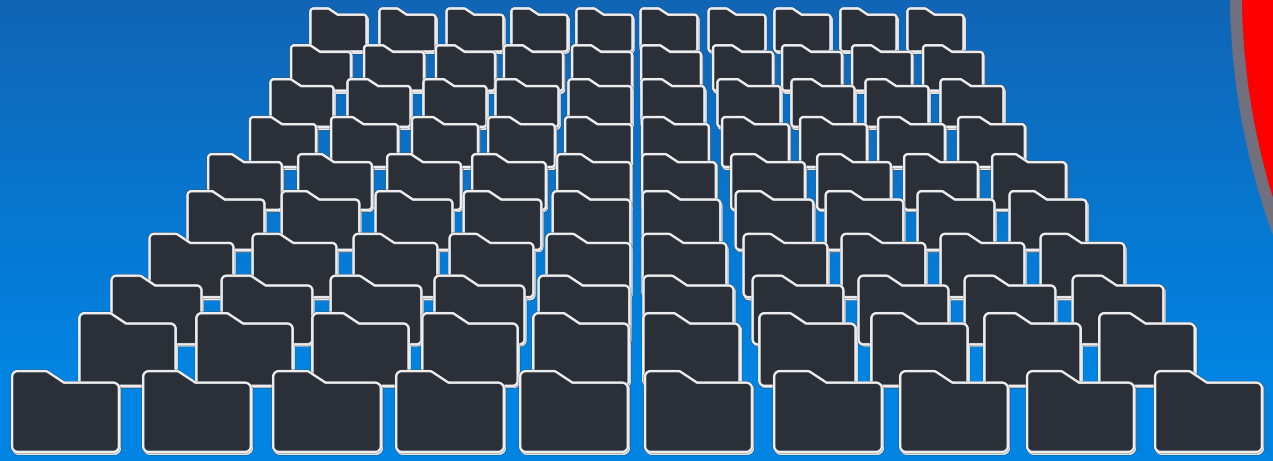
OPEN SOURCE SECURITY VULNERABILITIES ARE ON THE RISE

Project prevalence is alarming



32%

of the top 100 open source projects have a vulnerability

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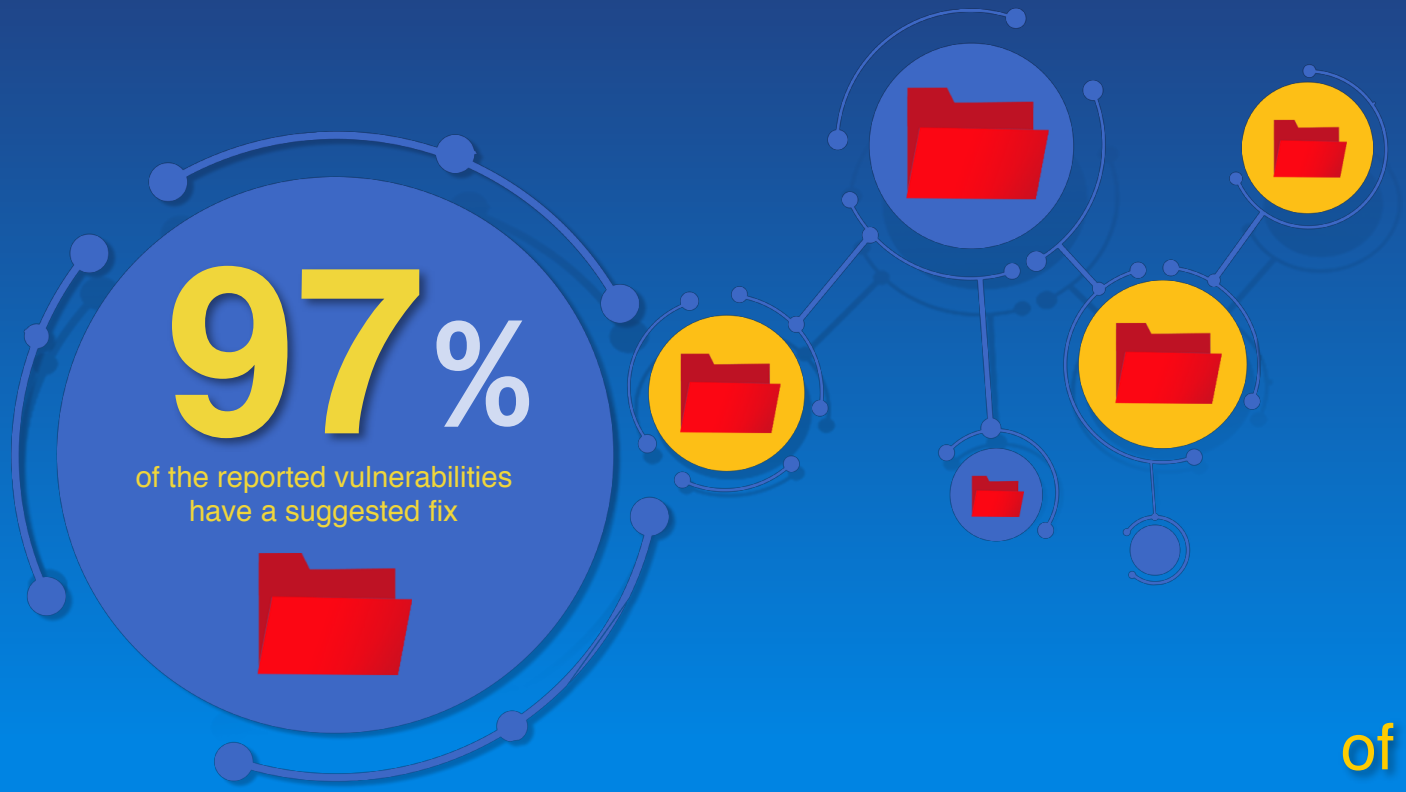
OPEN SOURCE SECURITY VULNERABILITIES ARE ON THE RISE

Ignorance is [not] bliss



Just

86%

of the reported open source vulnerabilities are in the CVE DB

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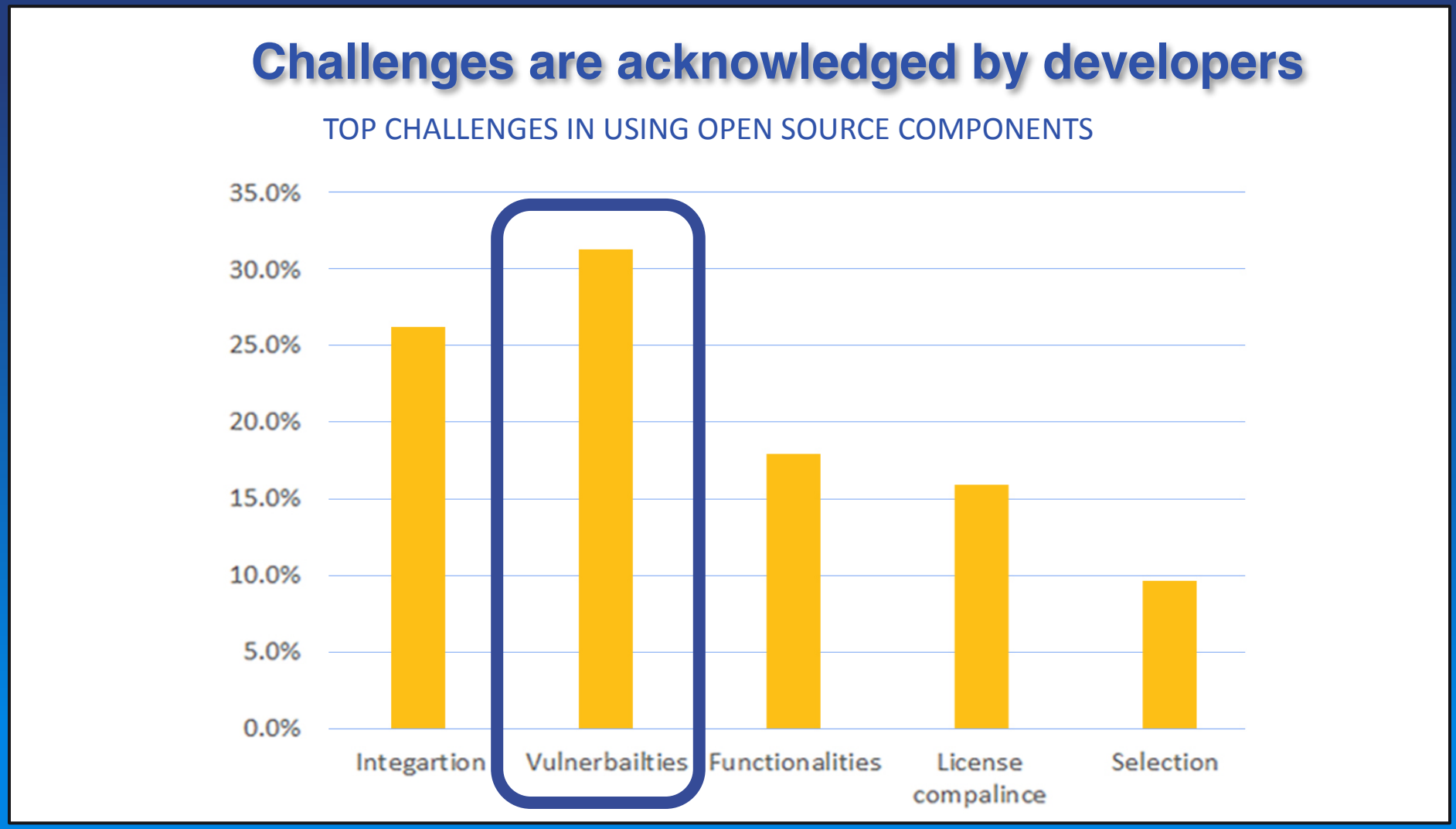
DEVELOPERS ARE NOT EFFICIENTLY MANAGING OPEN SOURCE VULNERABILITIES



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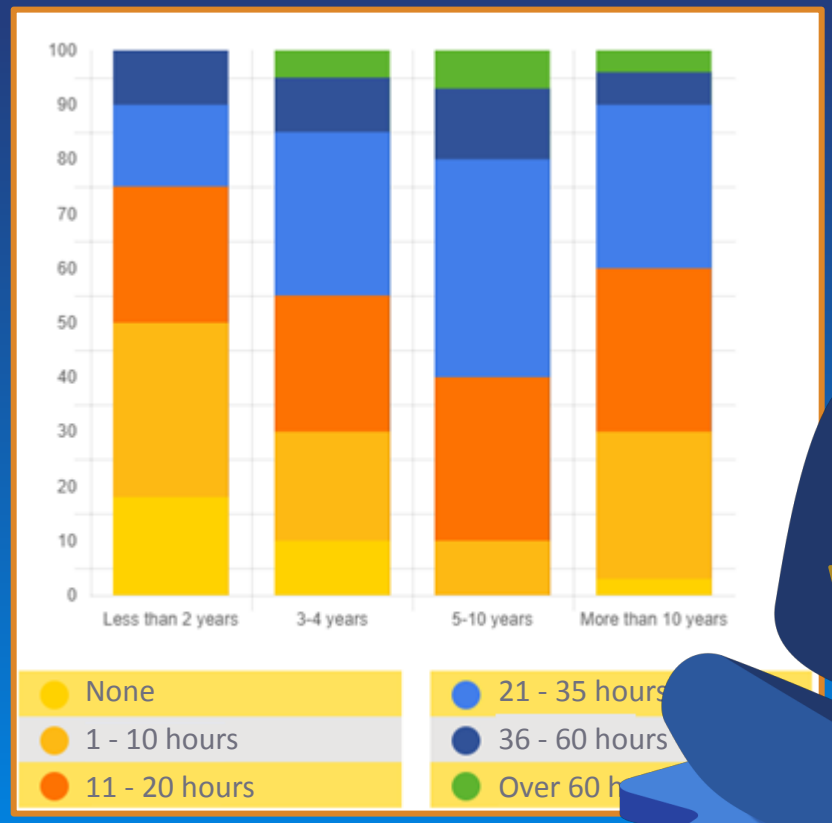
DEVELOPERS ARE NOT EFFICIENTLY MANAGING OPEN SOURCE VULNERABILITIES

How much time is spent?

15 hours/month

spent on average by every developer on security vulnerabilities



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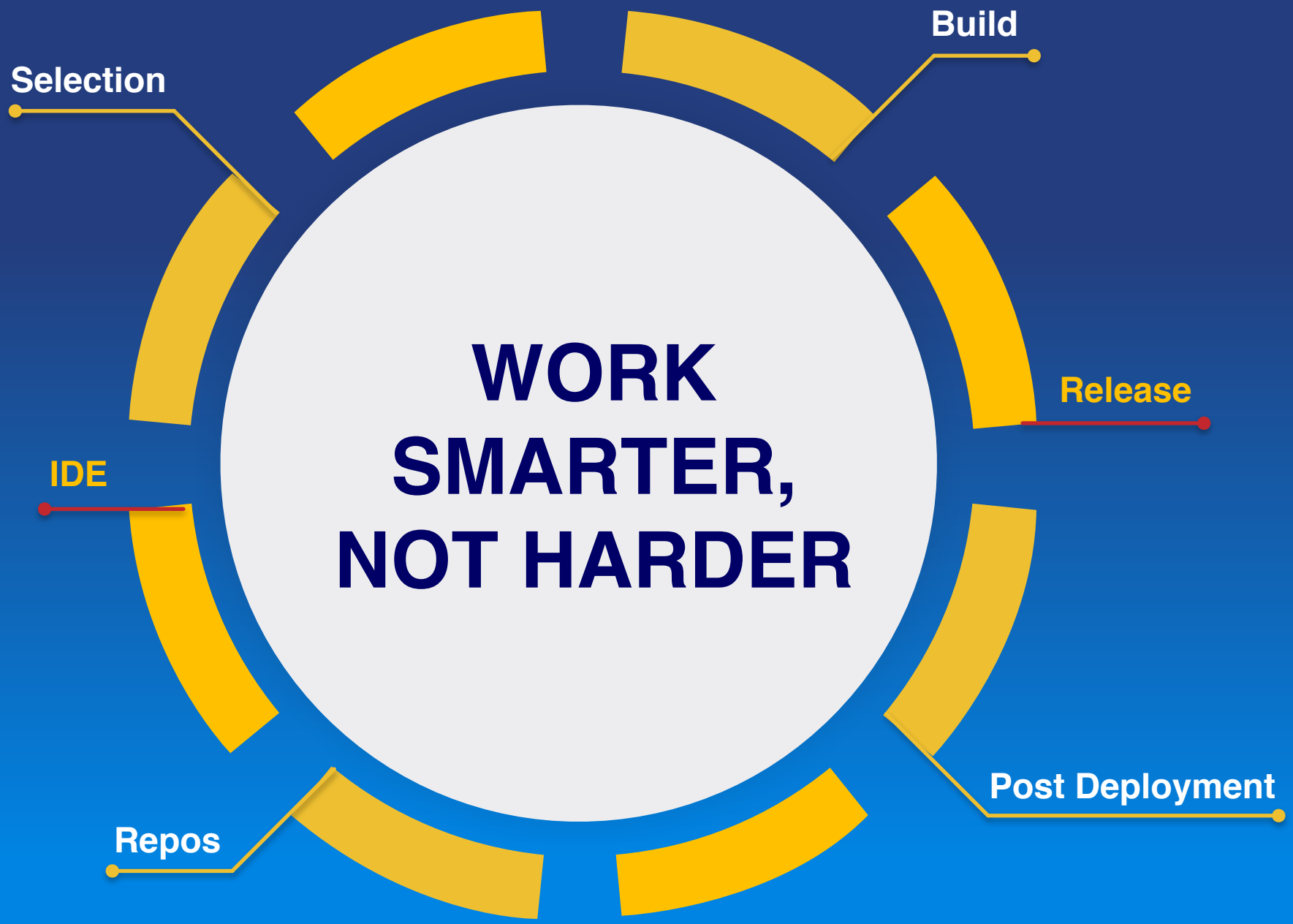

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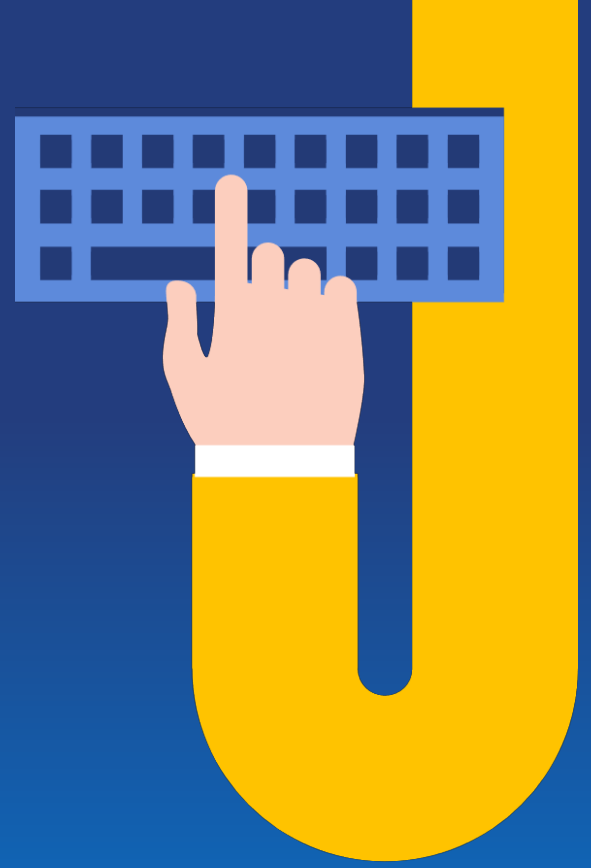
Handling Security Vulnerabilities

The Common Way



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THE COMMON WAY OF HANDLING SECURITY VULNERABILITIES

Security teams analyze and prioritize vulnerabilities

Sending emails or opening issues/tickets

Closing the loop on resolution is hard

BRIDGING THE GAP IS A MUST

How to Bake Security Into Existing Workflows

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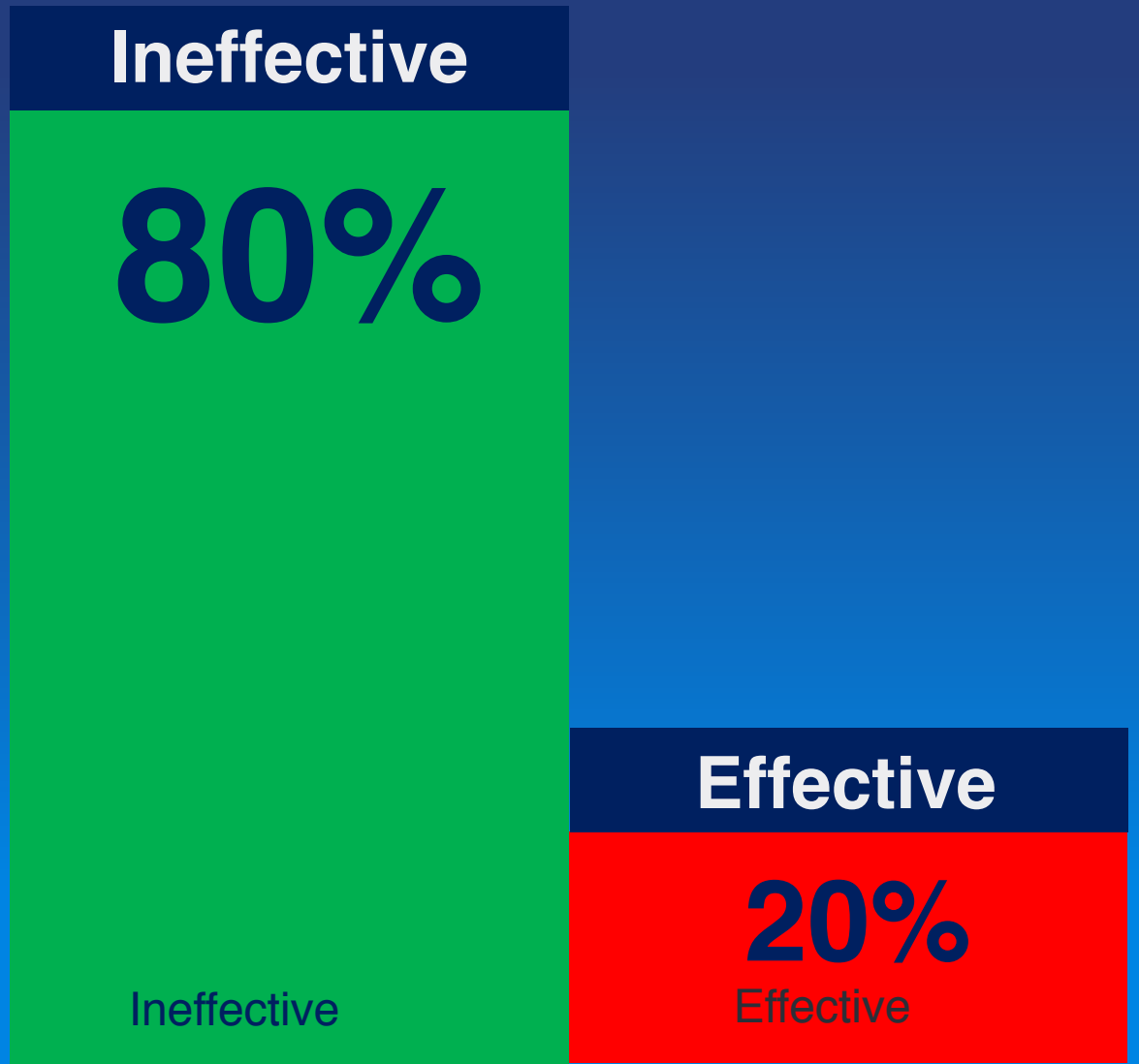
Prioritization of effective vulnerabilities

Transparent integration with existing environment

INEFFECTIVE VS. EFFECTIVE VULNERABILITIES

Only some of the reported security vulnerabilities in open source libraries are referenced by the developers' code



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How Do You Prioritize?

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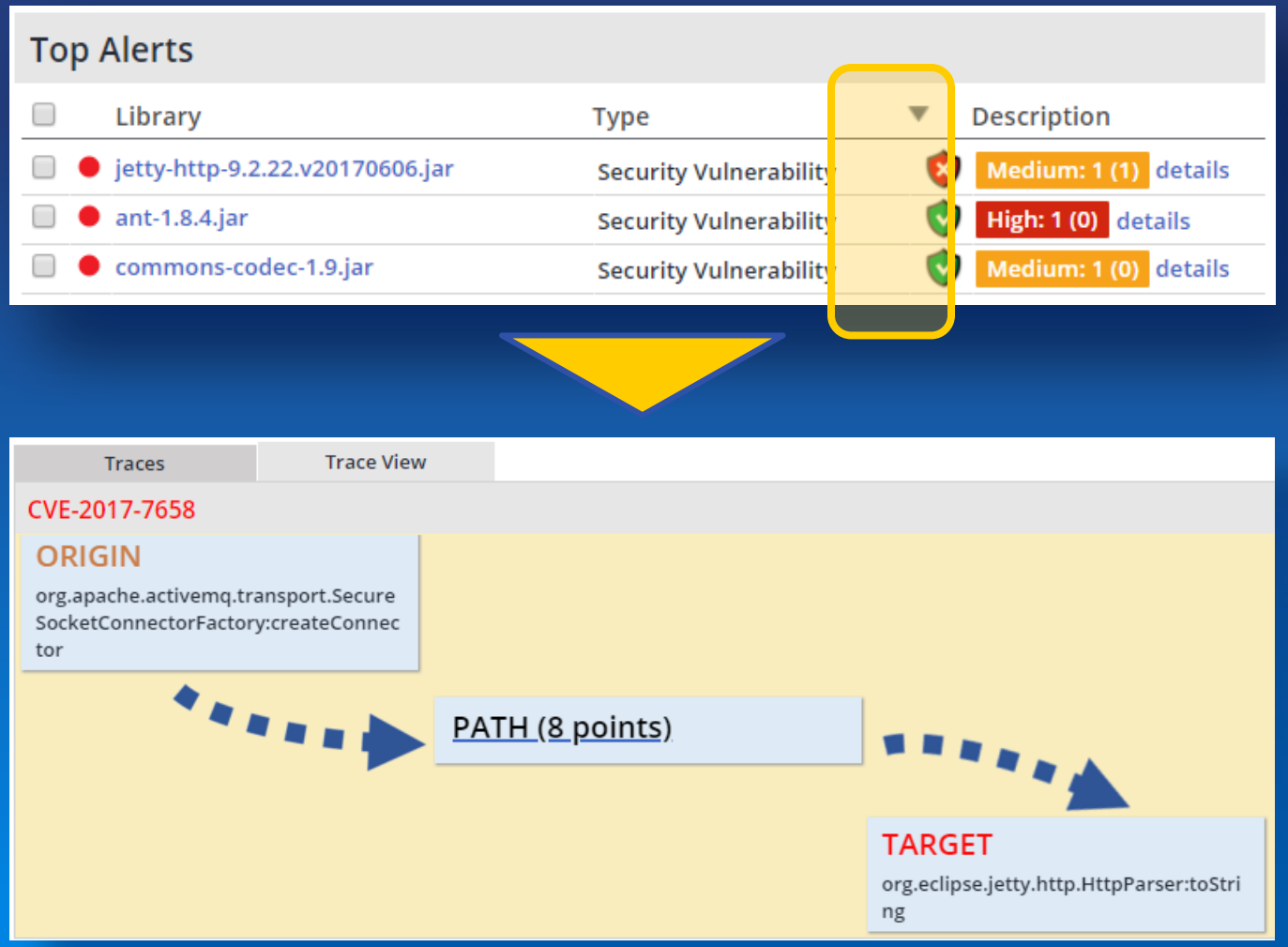
A modern approach to prioritize open source security vulnerabilities should be based on the effective impact on the product security



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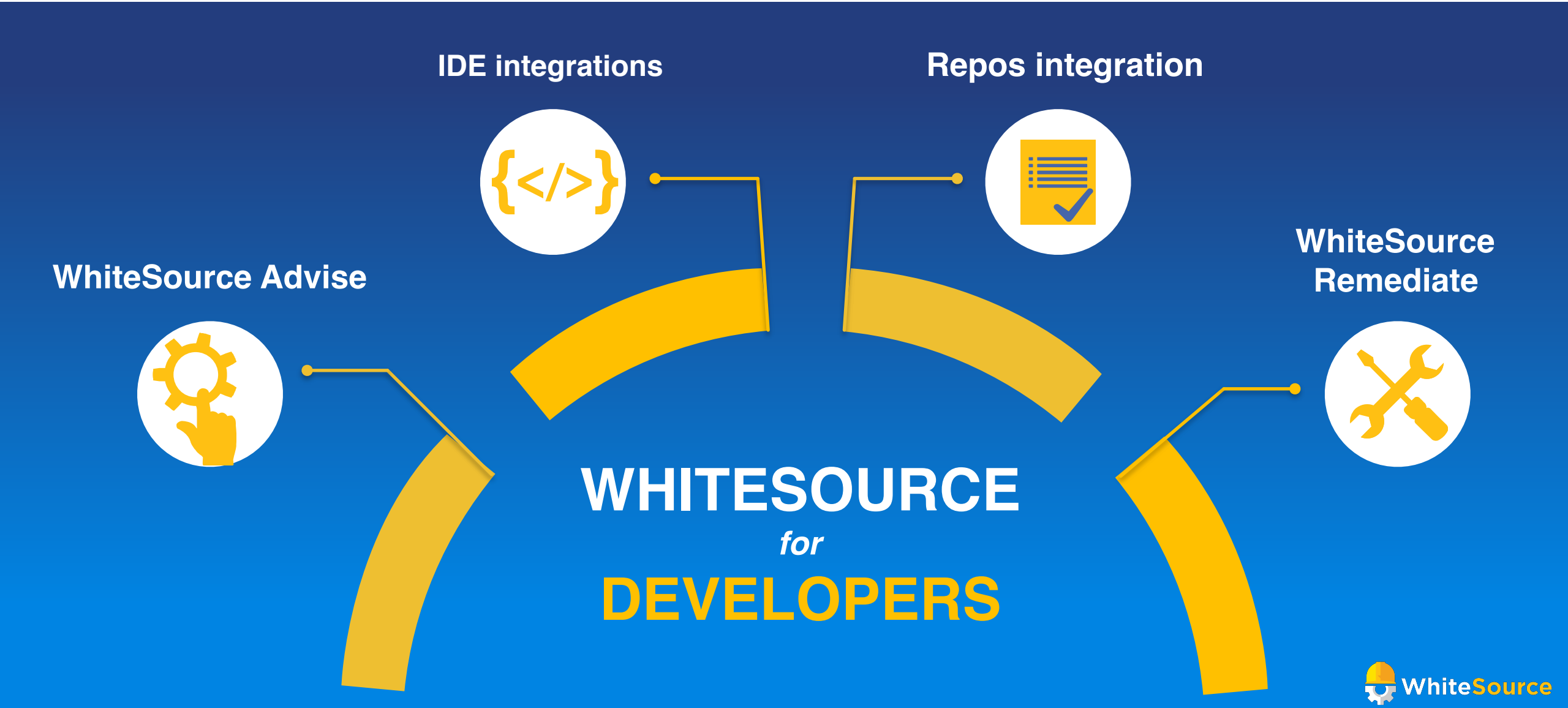
BAKING SECURITY CHECKS AND REMEDIATION INTO DEV WORKFLOWS



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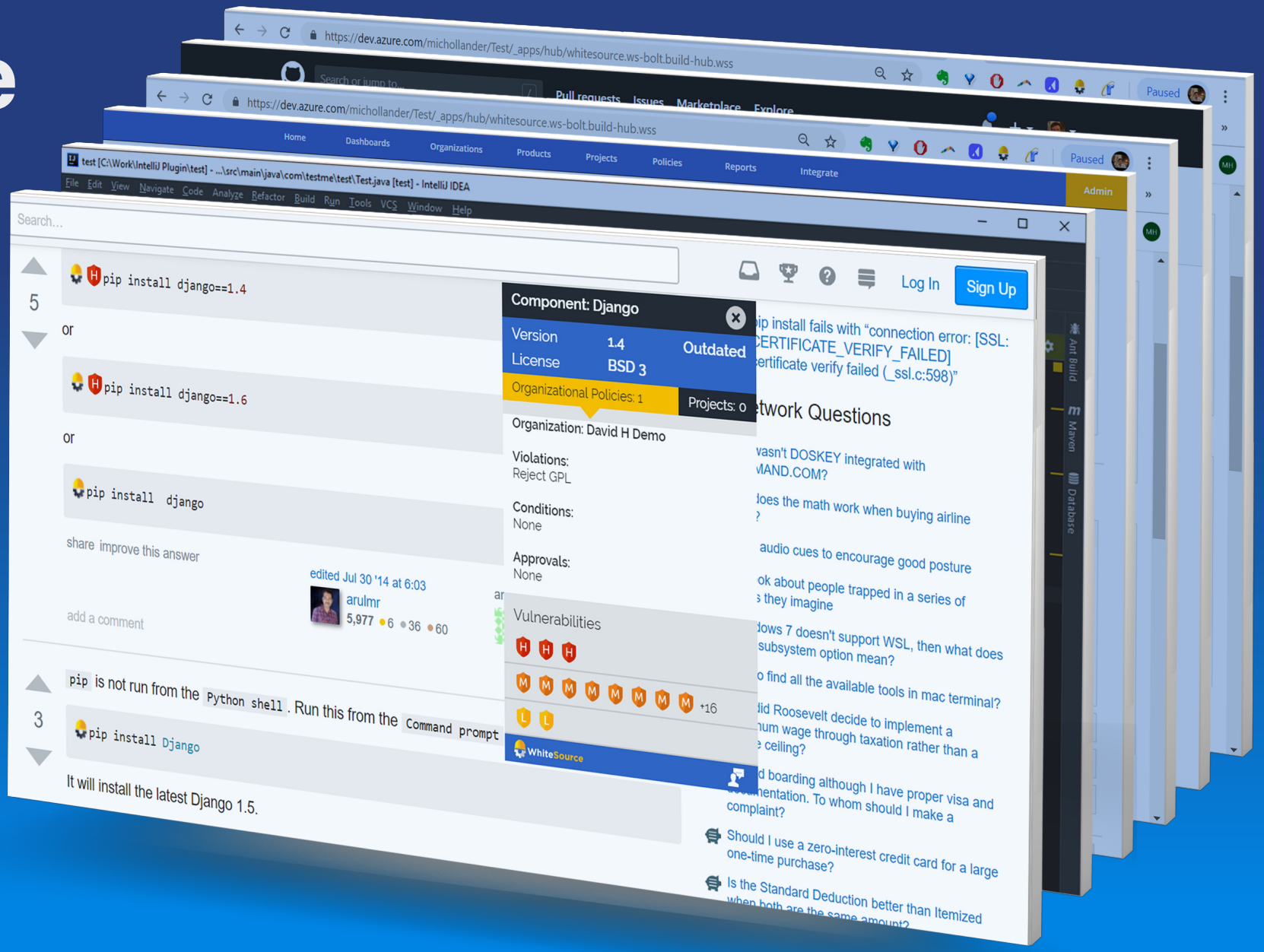
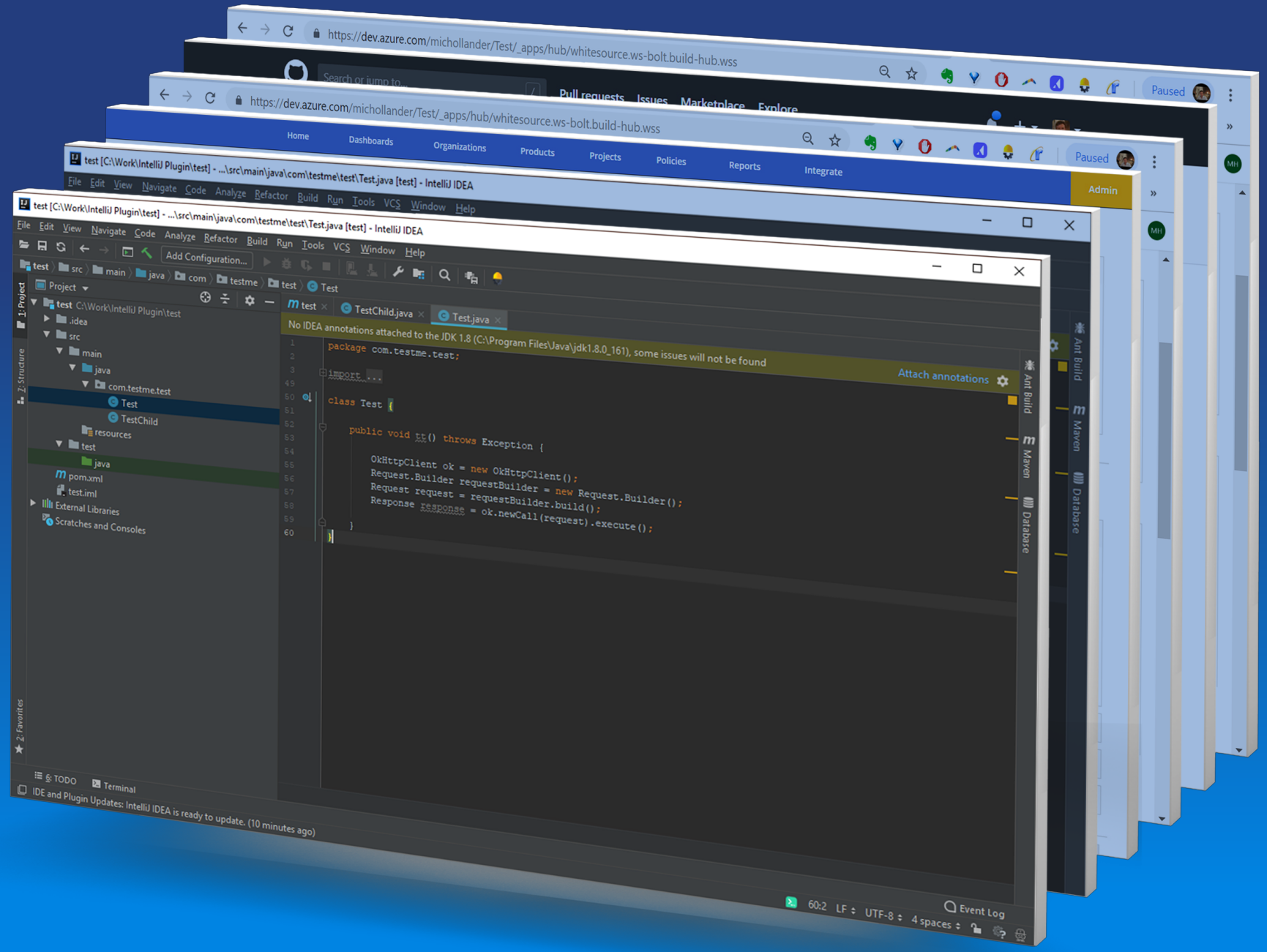
Advise



IDE Integration



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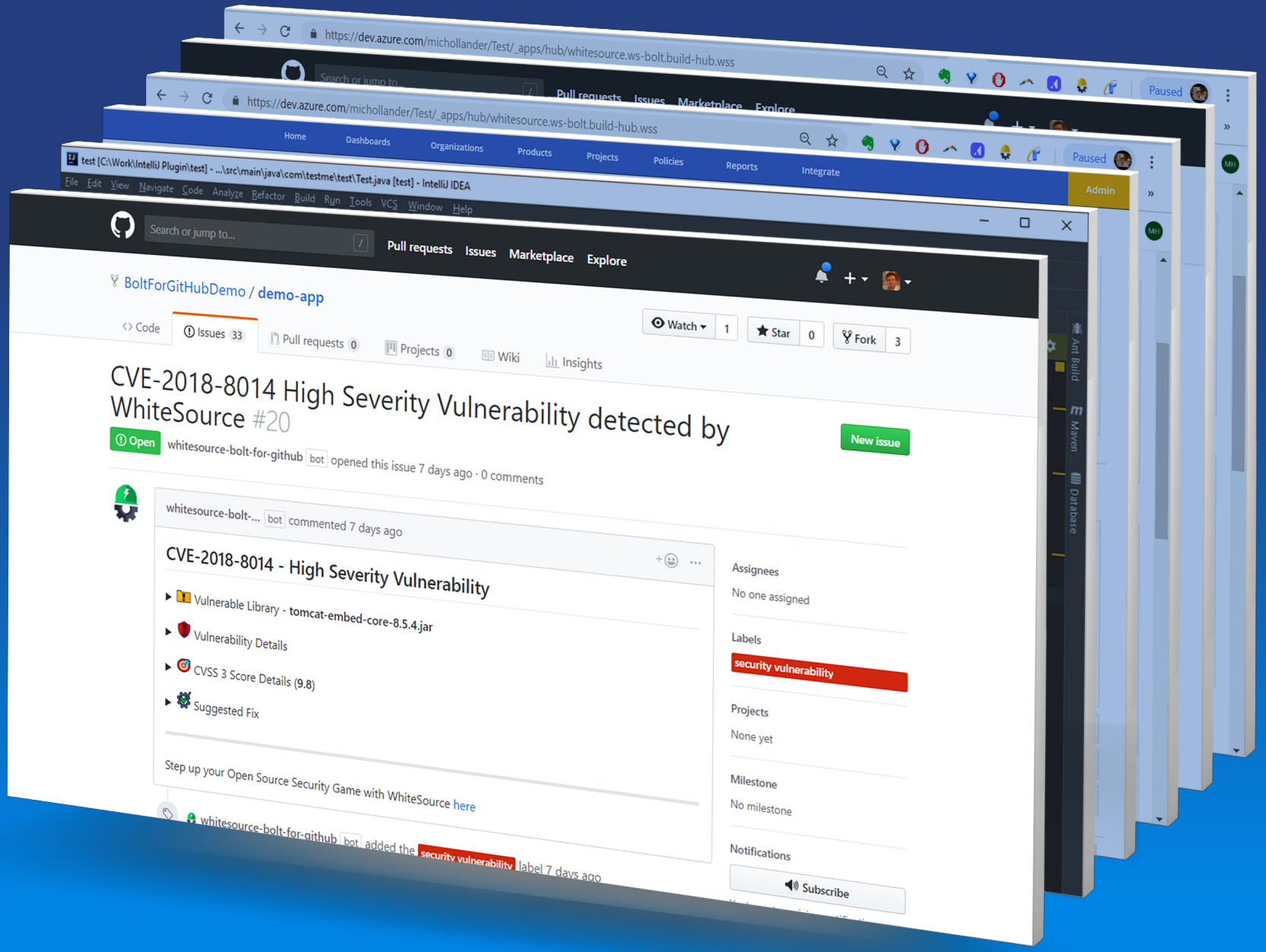
Repositories Integration



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Thank You

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