

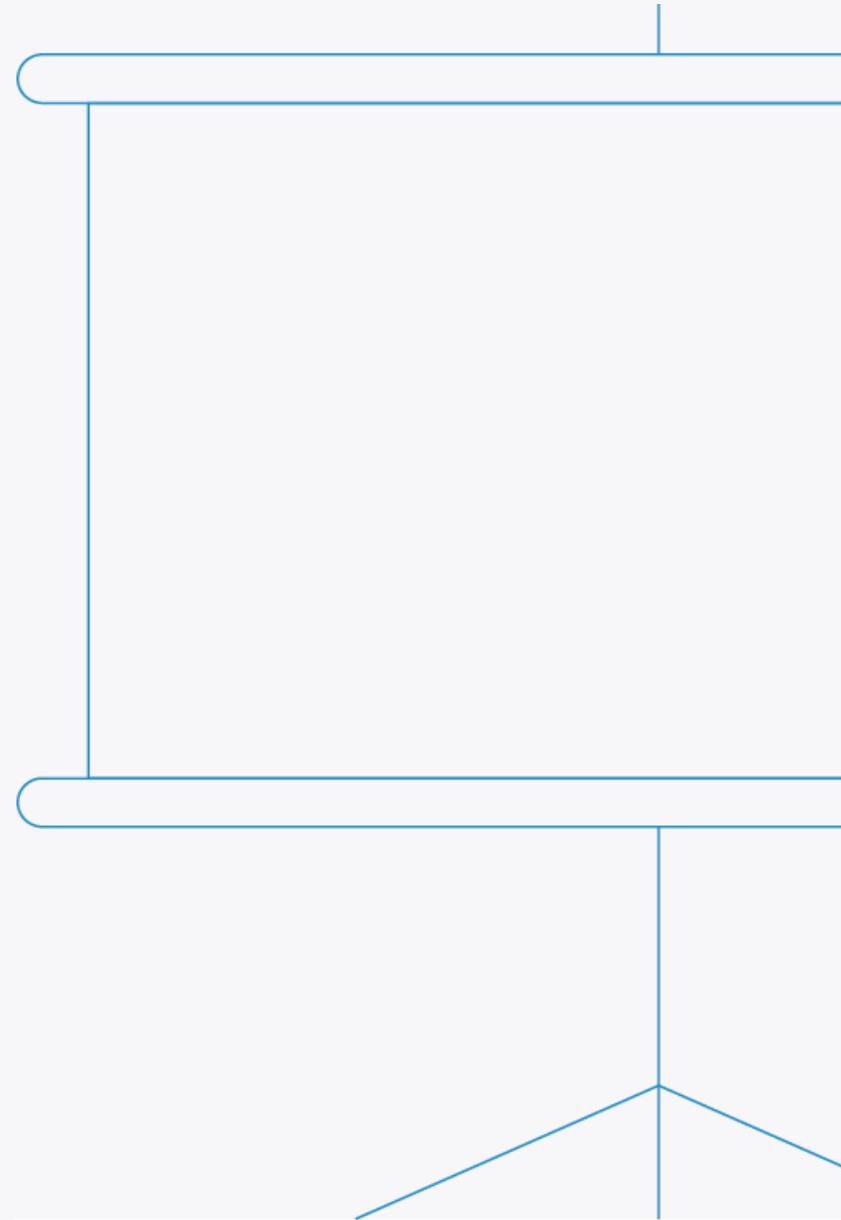
# Challenges and Solutions

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June 2015



# About Checkmarx

- Founded in 2006
- Enterprise Grade Application Security Solutions:  
SAST | RASP | Application Security Education
- Hundreds of Fortune 500 and SMB Customers
- ~150 Employees WW
- Fanatical support



## Awards



*"Leader" in the 2014 AST  
Wave*



*"Challenger" - 2014 AST Magic Quadrant  
& Only Vendor to score a perfect 5 in 2014  
AST Critical Capabilities Report*

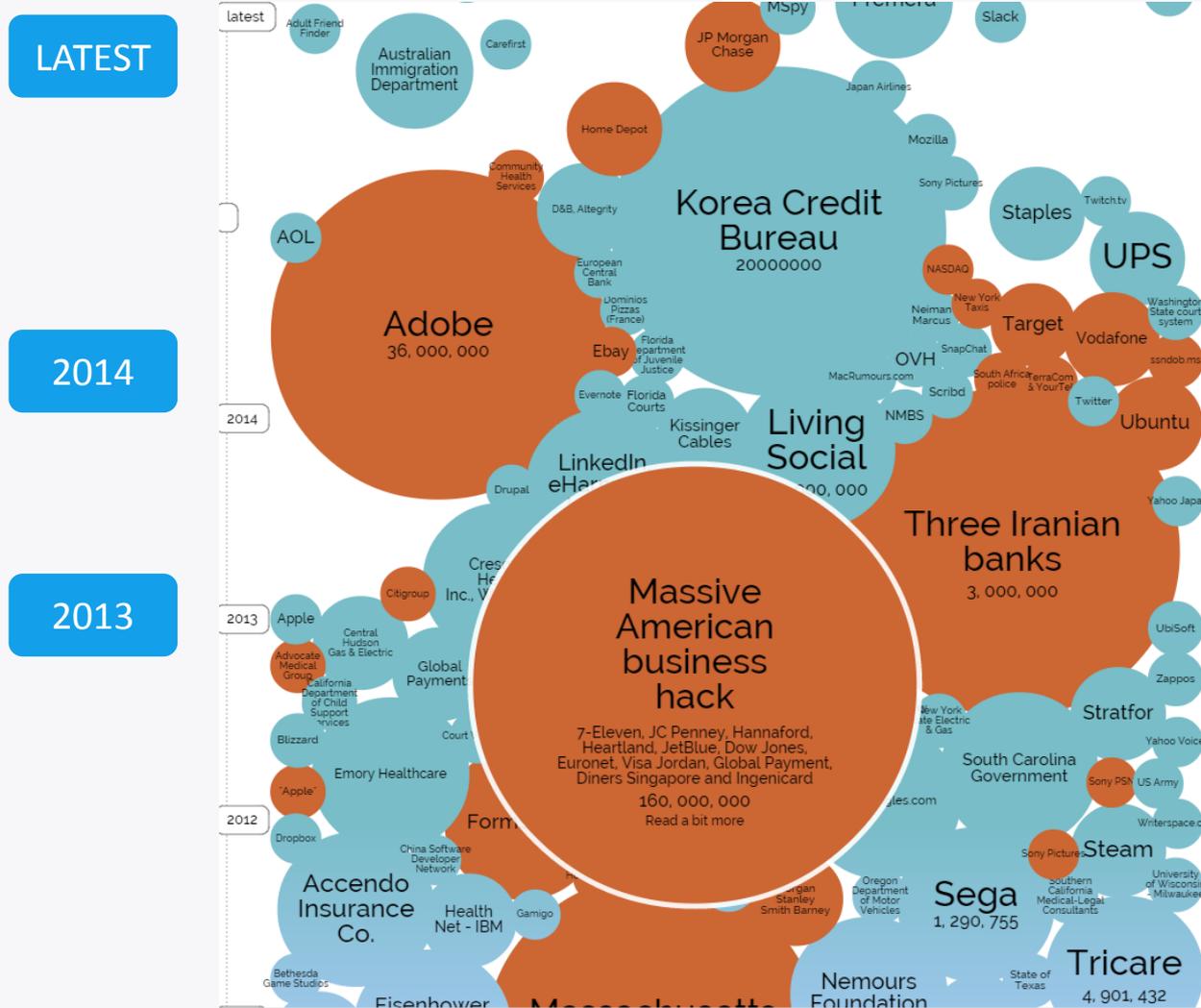


*Fastest Growing Security  
Company in Israel, 2014  
Tech Fast 500*

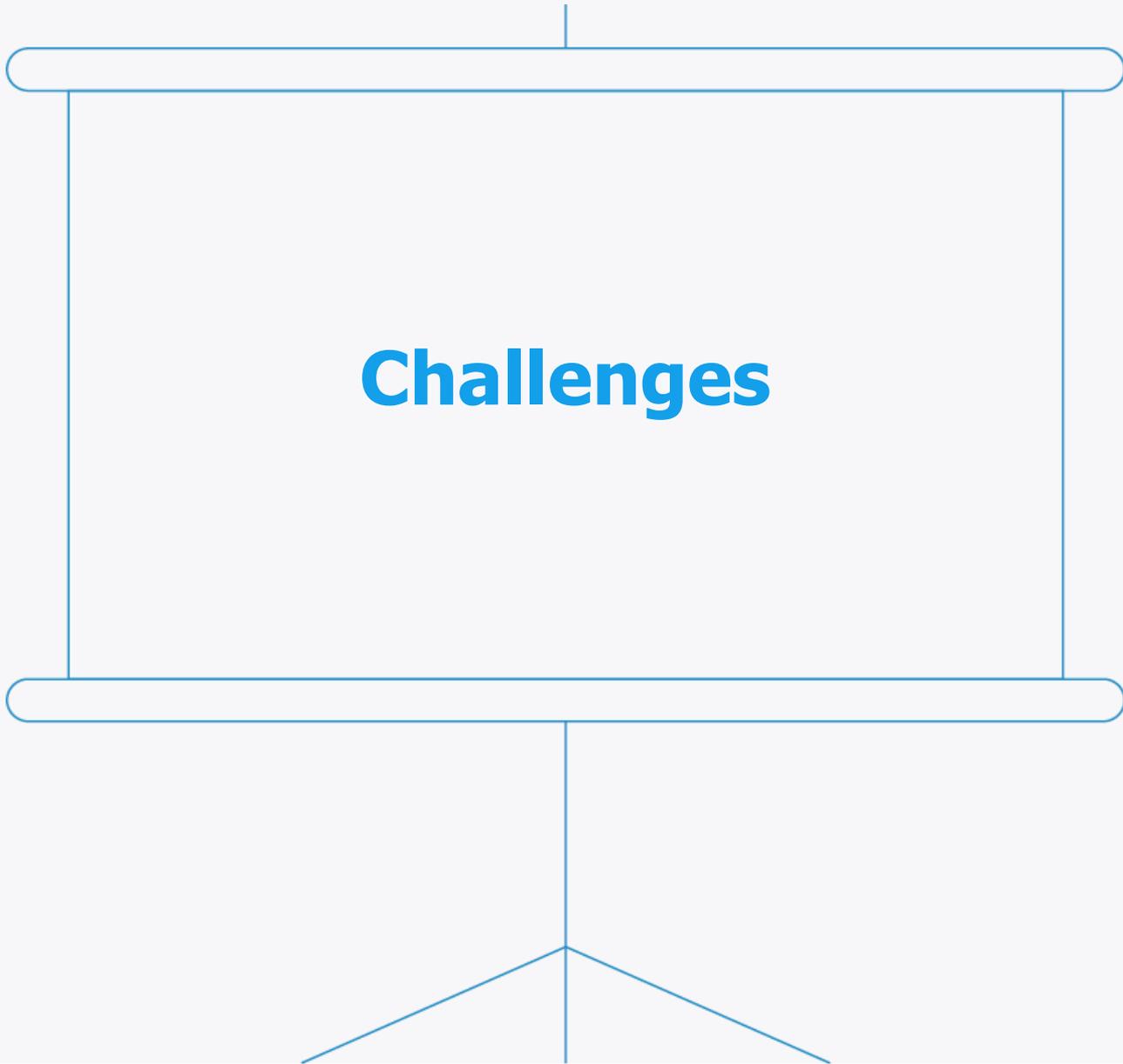


*Red Herring  
EMEA Top 100  
Winners*

# High Profile breaches



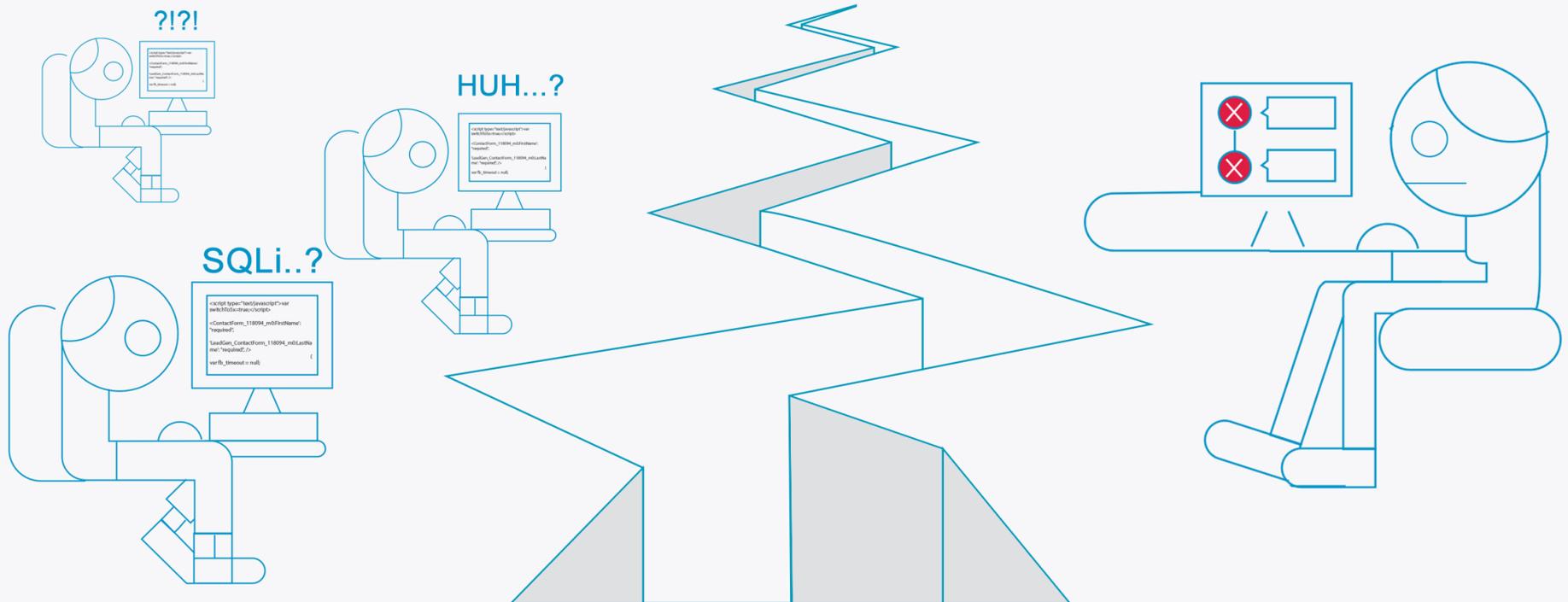
Source: <http://www.informationisbeautiful.net/visualizations/worlds-biggest-data-breaches-hacks/>



# Challenge #1: Lack of secure coding knowledge

Developers

Security Manager



# Solution #1 Education & Awareness

- Application security education and awareness is needed throughout the entire development and deployment organization
- What are the impacts of unsecure code
- Measure your developers by quality and security
- Buy-in your developers
- Make sure developers have something to gain
- Make the process transparent for developers



# Solution #1: Scan & Fix- see where and how to fix the vulnerability

What to fix

How to Fix

Who should Fix

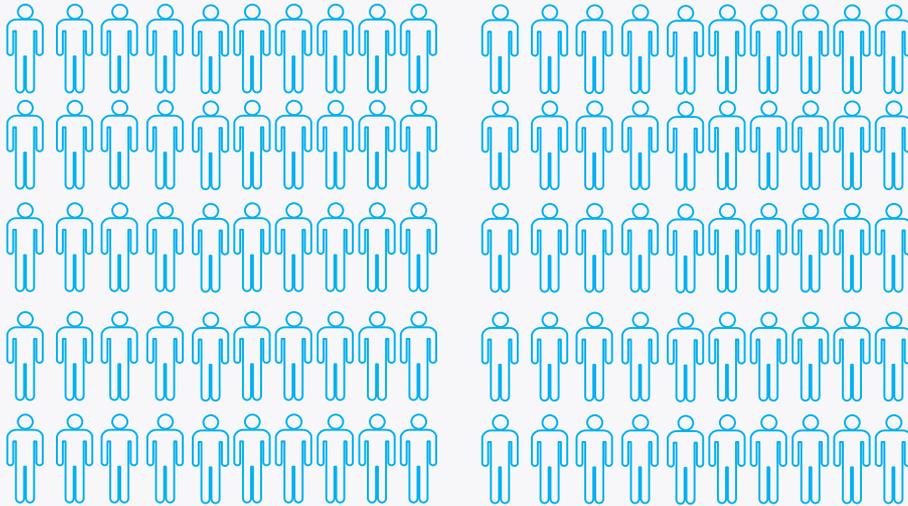
Where to Fix

The screenshot displays the Checkmarx Visual Studio interface. At the top, the 'CHECKMARX' logo is visible on the left, and the Visual Studio logo is on the right. The main window is divided into several panes:

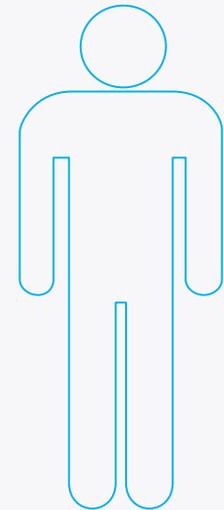
- Code Editor:** Shows a Java method `protected Employee parseEmployeeProfile(int subjectId, WebSession s)` with a yellow highlight on the `throws` clause.
- Scan Results:** A tree view on the left lists various vulnerabilities found, categorized by severity (High, Medium, Low). A red circle with a question mark highlights the 'XSS' category.
- Control Flow Graph (CFG):** A large graph on the right shows the flow of execution. Nodes are labeled with code snippets, and edges represent control flow. A red box highlights a specific node in the graph.

## Challenge #2: Outnumbered

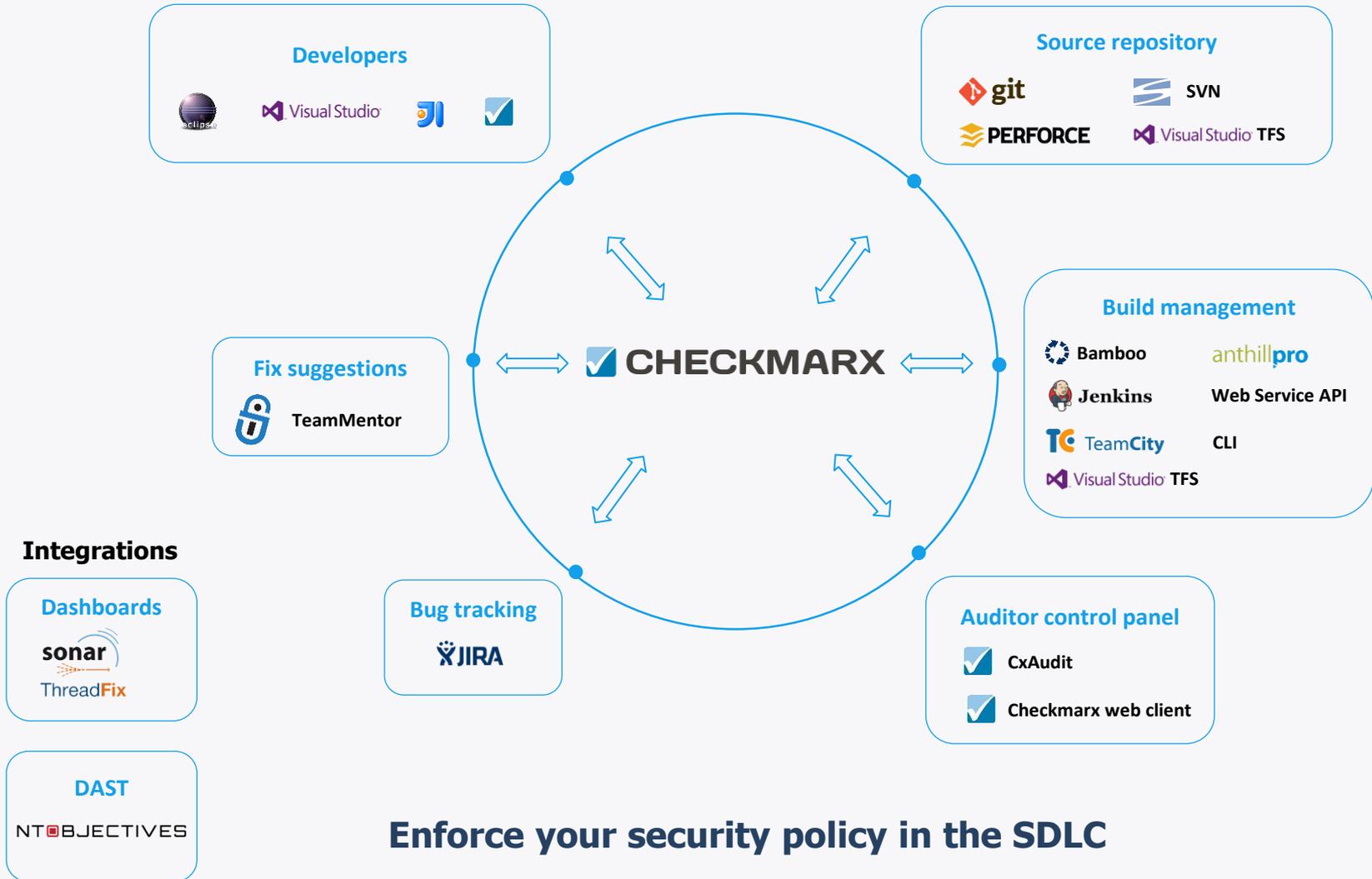
Developers



Security Manager

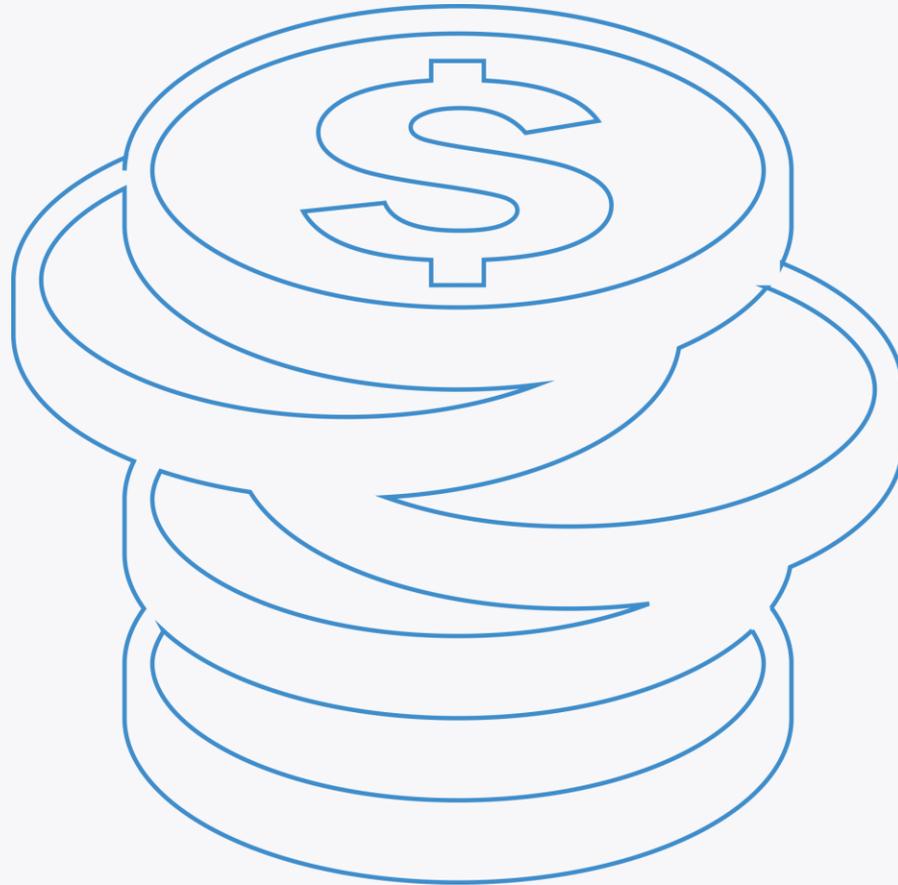


## Solution 2#: Automate the process



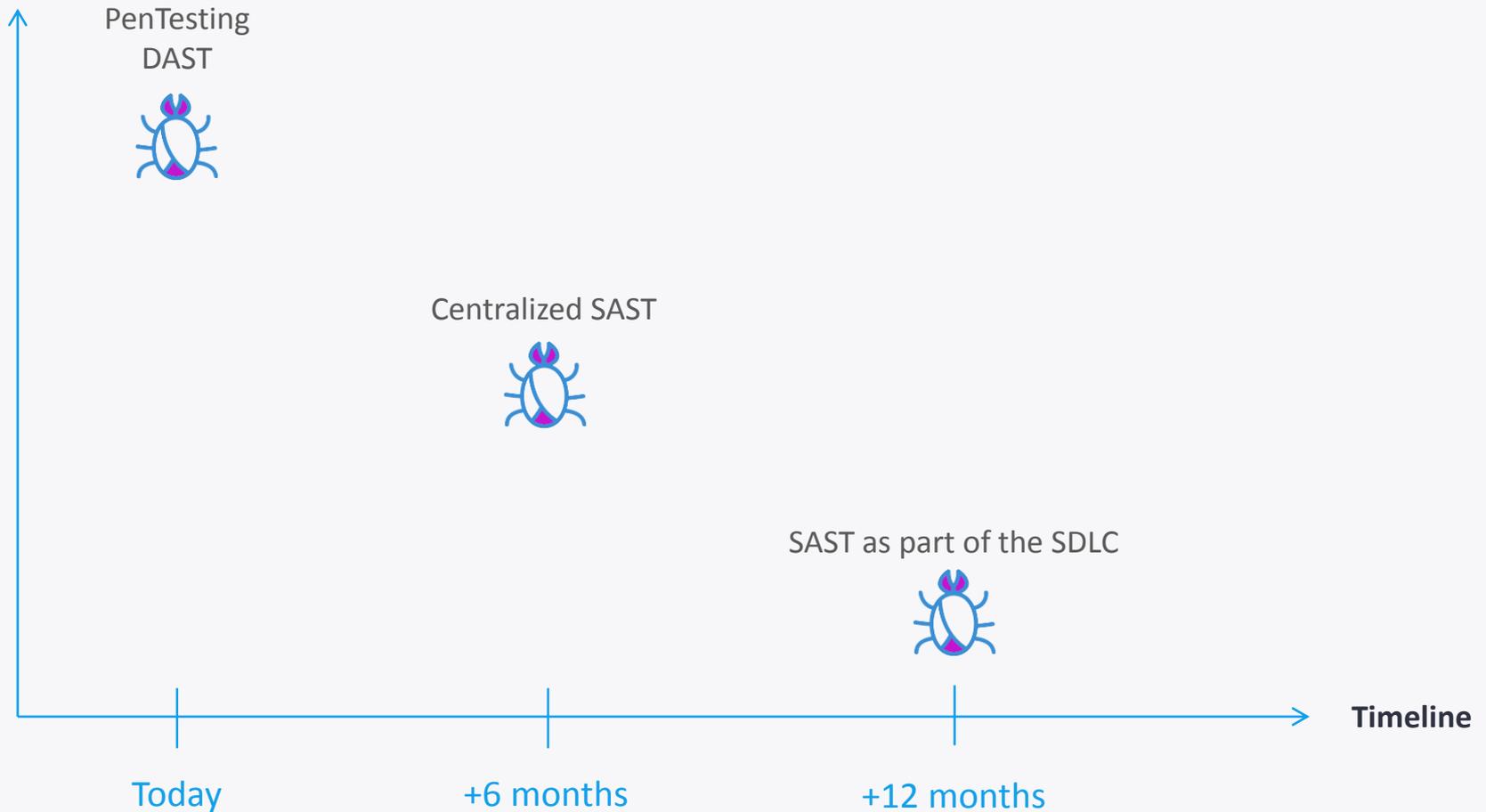
**Enforce your security policy in the SDLC**

## Challenge #3: Lack of budget

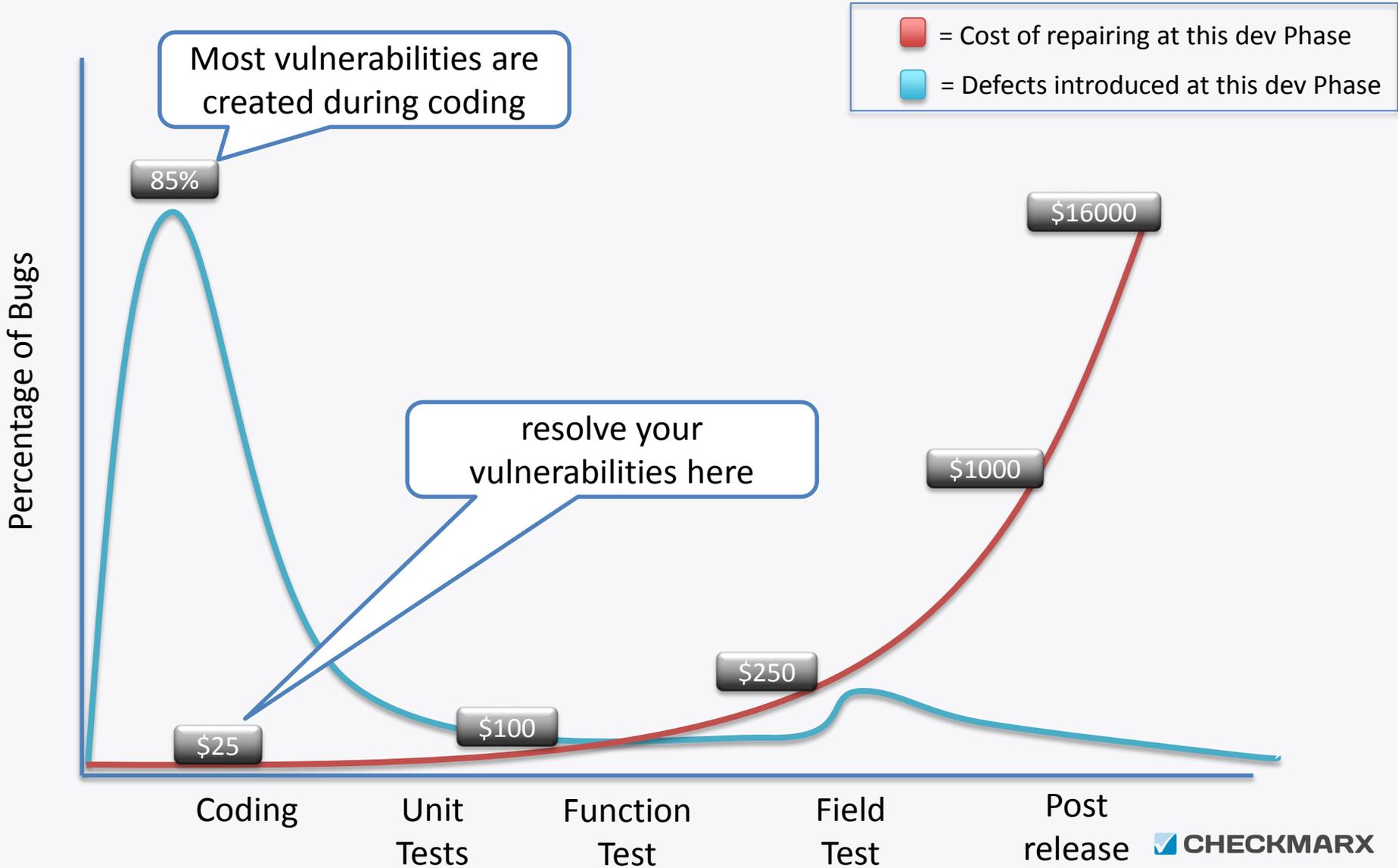


# Solution 3#: SAST reduces # of security bugs

# Bugs/ year



# SAST ROI





# Thank You!

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