



TURN IT UP

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The bridge to possible

Protect your apps, users, and business from slowdowns and exploits

AppDynamics with Cisco Secure Application

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PSOAPP-1002



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Objective:

Learn how to maintain speed while protecting organizational and customer assets with an application-first security approach.



The Hard Truths

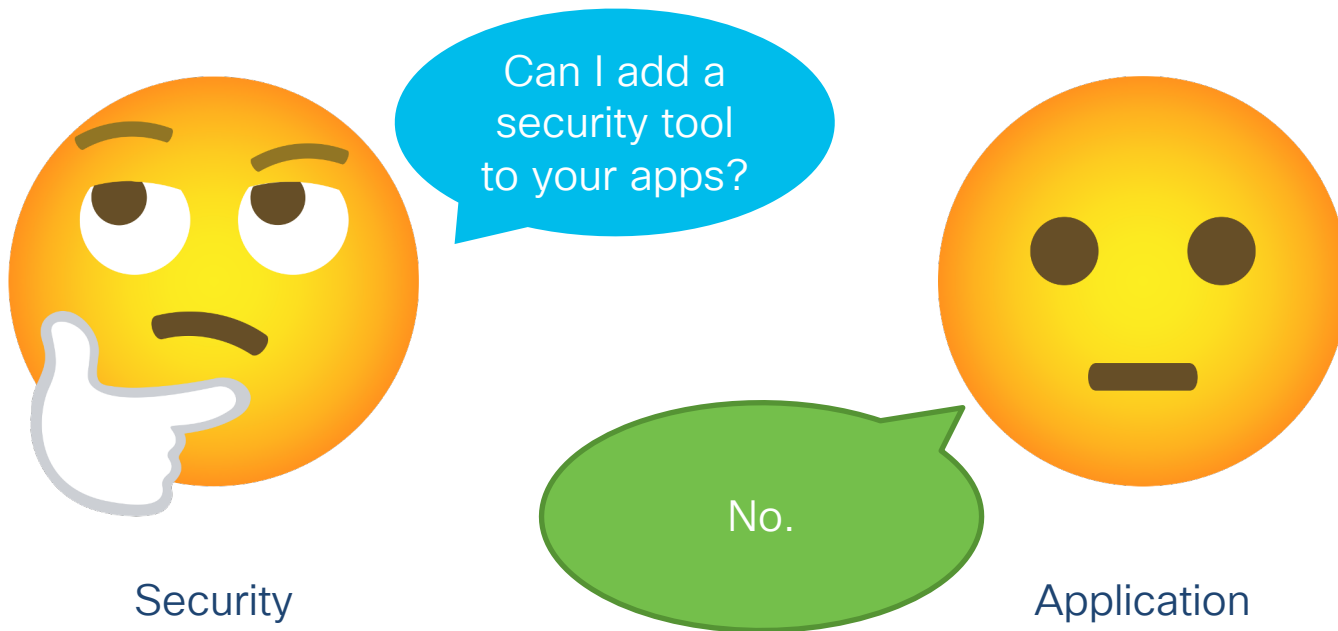


Vulnerable code ships and breaches will happen.

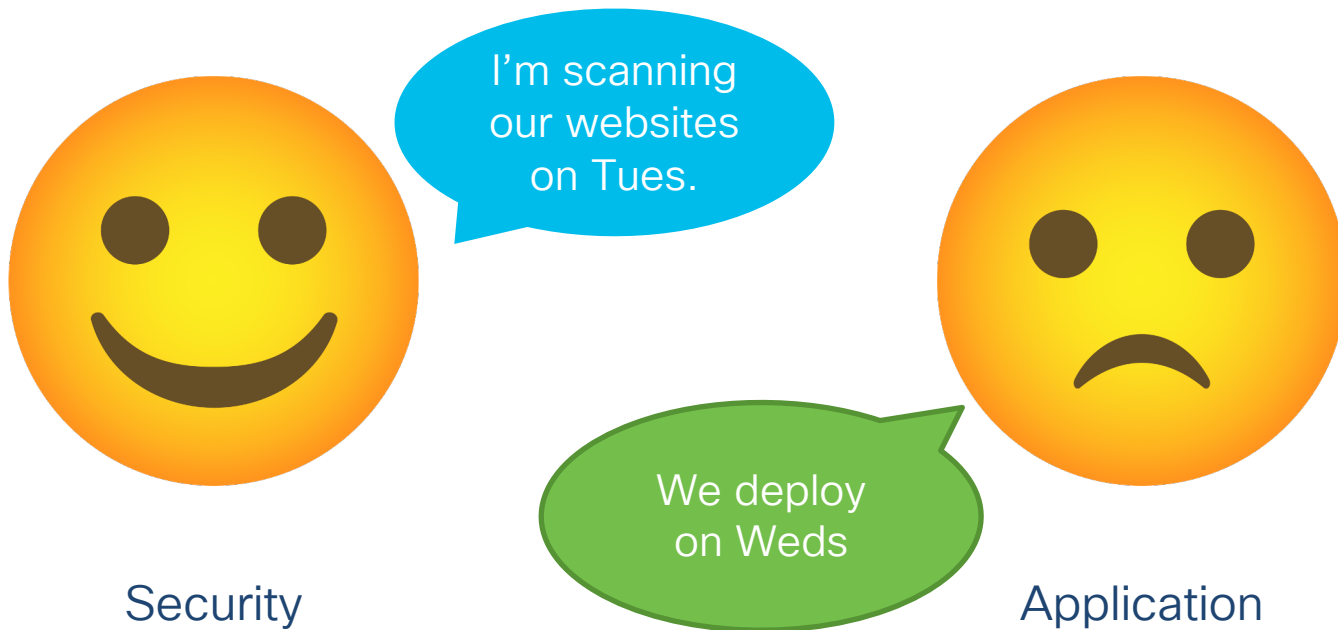


You can never get time back.

Add application security controls



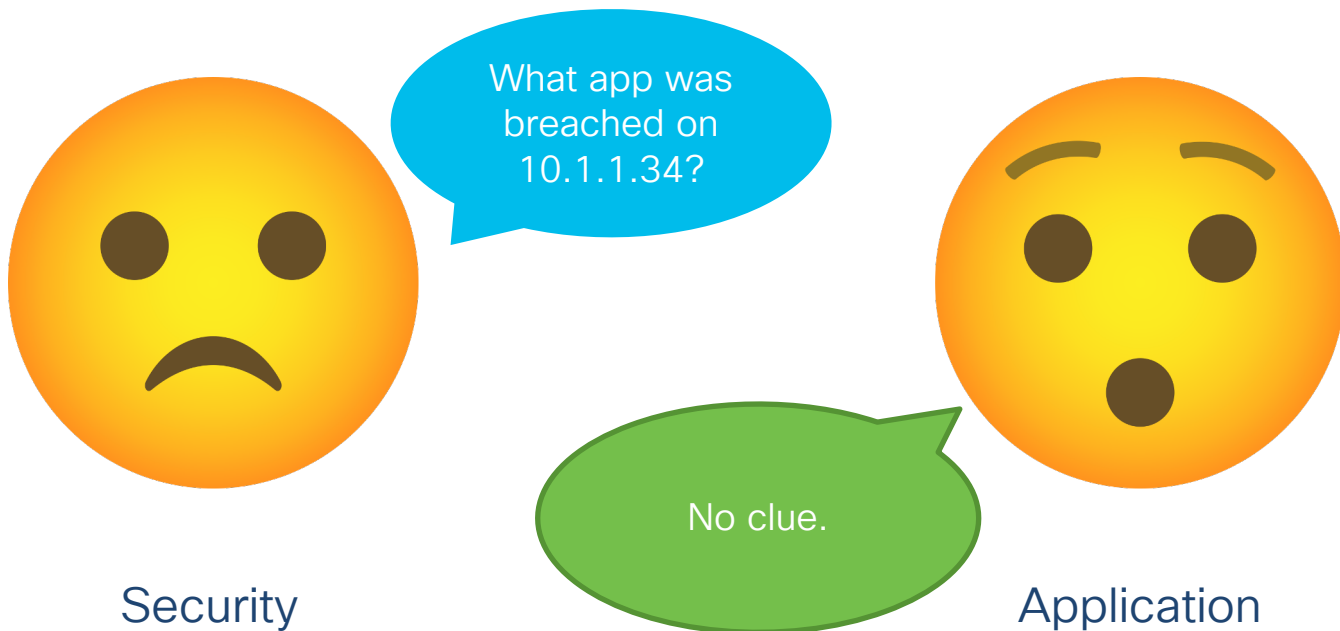
Vulnerability scanning



Vulnerability reports



Incident investigation



Security risk remains a major challenge and tools haven't kept pace

Extremely Long Breach Detection
(MTTD)

Isolation
(MTTI)

Resolution
(MTTR)



Reactive detection

66%

Breaches that take
months/years to
discover



Costly war-rooms

\$3.9M

Average direct cost to
contain a data breach
(global)



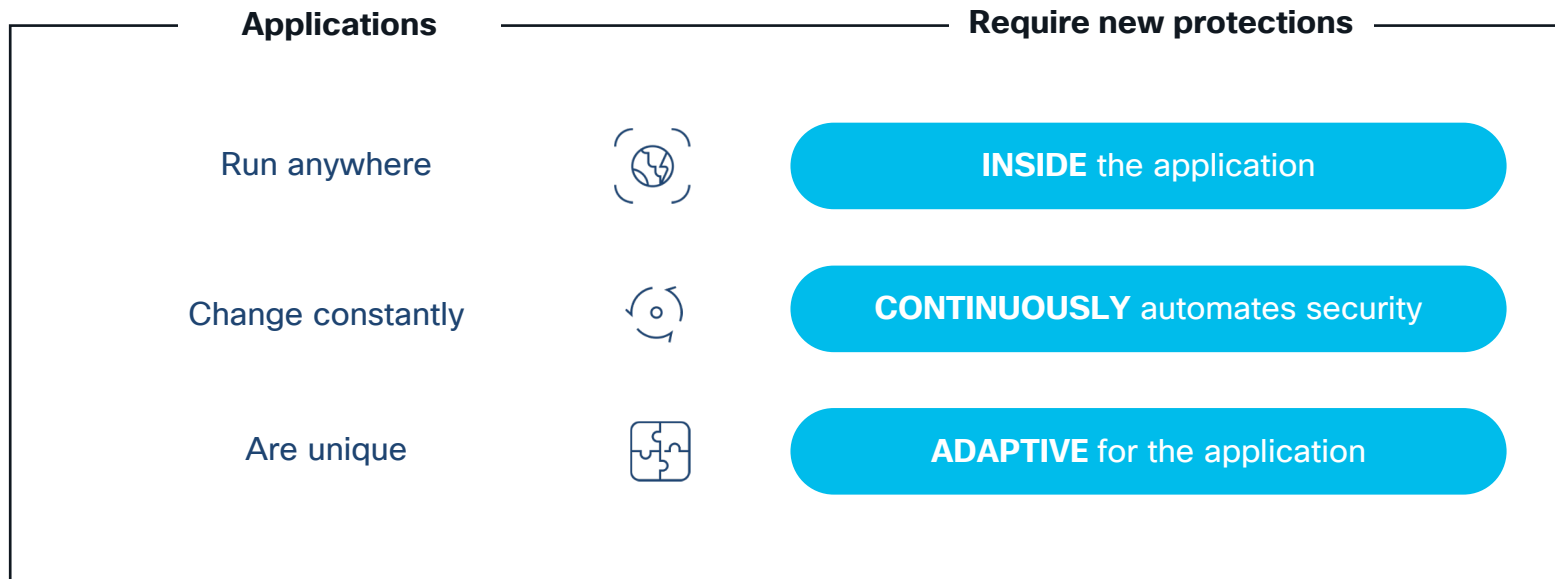
No common understanding
across teams

280+ days

Time to identify and
contain a data breach

Modern applications require an “app-first” security approach

Digital enterprises must operate with speed and securely



AppDynamics with Cisco Secure Application

Simplify vulnerability management, detect threats in real-time, protect the business

- Protection at runtime: Visibility to the app's true behavior to detect attacks and deviations from normal
- Prioritization: App-Tier-Node correlation helps teams focus on incidents that matter most
- Automatic & continuous: Catch zero-day exploits in moments—not months
- Inside-out security: Deeply embedded performance-engineered runtime controls, no added firewalls or proxies

Vulnerability Details

Title: CVE-2020-5831

Reported Severity: Critical 7.8, CVSS ver. 3.x (CVSS ver. 2.0: High 7.0)

Description: Dynamic Data Center Security Manager Component, prior to 6.8.2 (aka 6.8 MP2), may be susceptible to a privilege escalation vulnerability, which is a type of issue whereby an attacker may attempt to compromise the software application to gain elevated access to resources that are normally protected from an application or user.

First/Last Seen: 4 days ago / 30 minutes ago

Remediation: Upgrade to Postgresql 10.1.1 jar

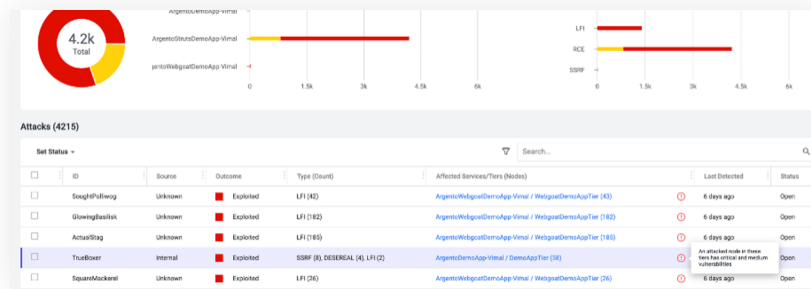
Vulnerability Notes

Notes entered here will appear with all instances of this vulnerability in your organization.

Affected Services/Tiers

Set Severity	Set Status	Add instance note	Note	Severity	Existing Libraries	Remediation Rank (233)	First Detected	Status
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Affected Services/Tiers (Nodes)					
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		AvailabilityService (3)	Critical	Postgresql-9.1.1.jar	2	15 minutes ago	Discovered
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		OfferService (1)	High	Postgresql-9.9.jar	99	5 hours ago	Confirmed

Use Case #1: Vulnerability management



Use Case #2: Attack detection & protection

Demo

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Secure Application unifies teams with competing goals

While identifying and containing “unknown” threats... wherever applications run!



AppOps | Platform

Maximize speed & uptime



**Secure
Application**

- ✓ Speed and acceptable risk
- ✓ User and business awareness
- ✓ Shared context
- ✓ Familiar tools and workflows



AppSec | SecOps

Minimize risk

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Thank you

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