

The background features a vibrant, multi-colored abstract design. On the left, there are horizontal, wavy bands of color in shades of red, orange, yellow, and green. On the right, a bright white light source emits a series of colorful rays in shades of blue, cyan, and yellow, creating a sunburst effect. The overall composition is dynamic and energetic.

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Let's go

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The bridge to possible

How to Proactively Strengthen Your Security Resilience

Assessment Penetration Testing

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PSOCX-2000

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Cisco Webex App

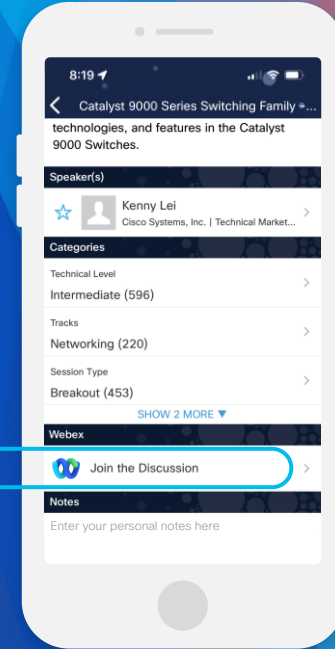
Questions?

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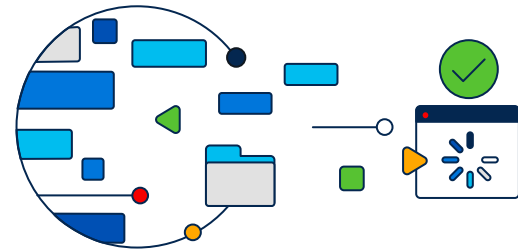
Agenda

- What does it mean to be security resilient?
- Risk-based approach to vulnerability
- Assessment penetration testing
- How often should you assess?
- End-to-end security
- Conclusion

What does it mean to be security resilient?



Where do vulnerabilities hide?



What does it mean if you're vulnerable?



Risk-based approach to vulnerabilities



Identify asset
vulnerabilities



Maintain
accurate and
timely threat
intelligence



Identify impact
of exploitation
and probability



Leverage
threat data

Targets . . .

Applications



- Booking Management Systems
- Code Obfuscation Technologies
- DRM Systems
- Mobile Banking Applications
- Online Banking Applications
- Online Gaming Systems
- Online Retail Web Stores
- PC Video Games
- Payment Processing APIs

Devices



- ATMs
- Airport Kiosks
- Cellular Modems
- Connected Thermostats
- HD Radio Modules
- Infotainment Systems
- Vehicle Telematics Units
- Medical Devices
- Wi-Fi / Bluetooth Chipsets
- “Smart” Residential Locks

Networks



- Data Centers
- Internet Facing Infrastructure
- Hybrid Cloud Environments
- Public Cloud Environments
- Telecom Environments
- VPNs

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Reverse Engineering



Fuzz Testing



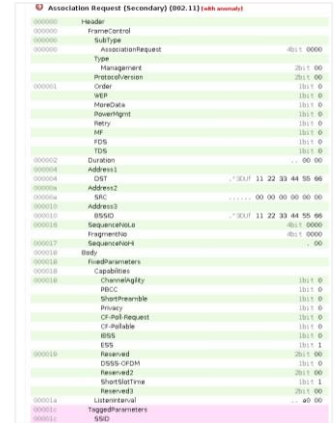
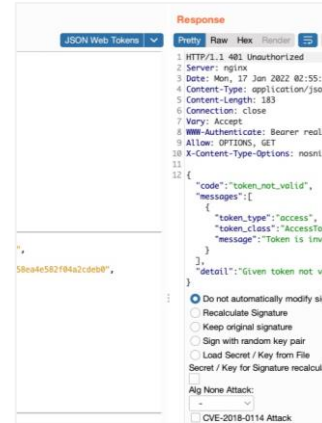
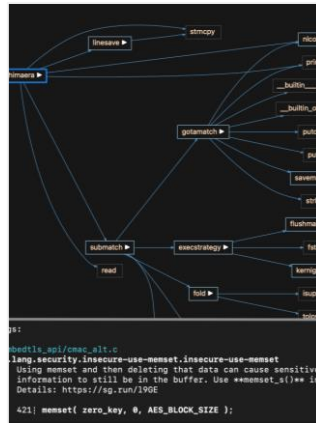
Static Analysis



Dynamic Analysis



Protocol Testing



Minimize vulnerabilities



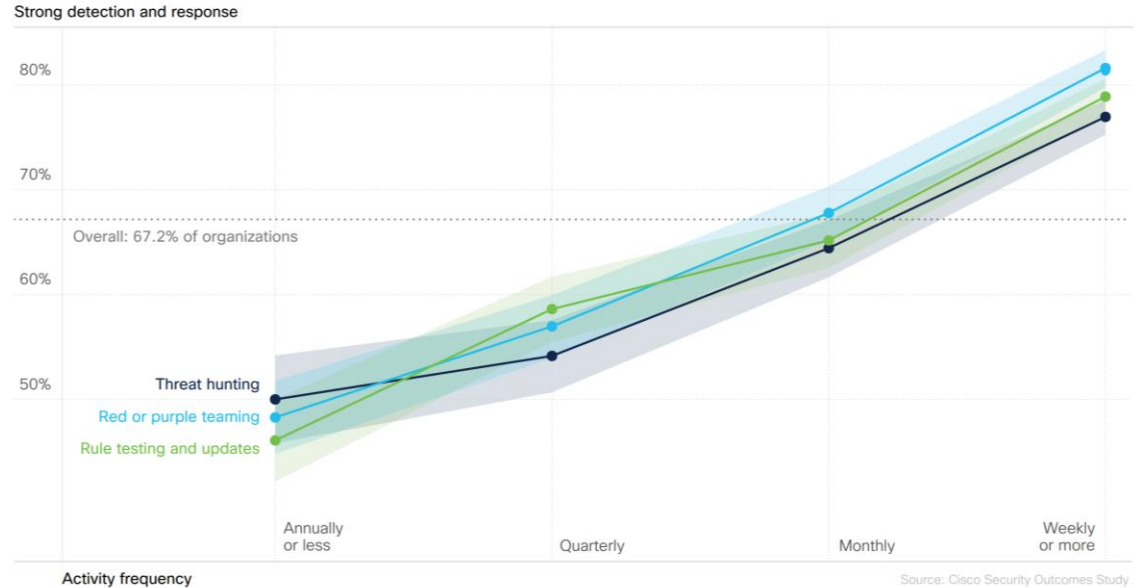
"Give me six hours to chop down a tree and I will spend the first four sharpening the ax." – Abraham Lincoln

How often should you assess?

Organizations
conducting these
activities on at least a
weekly basis see a
roughly

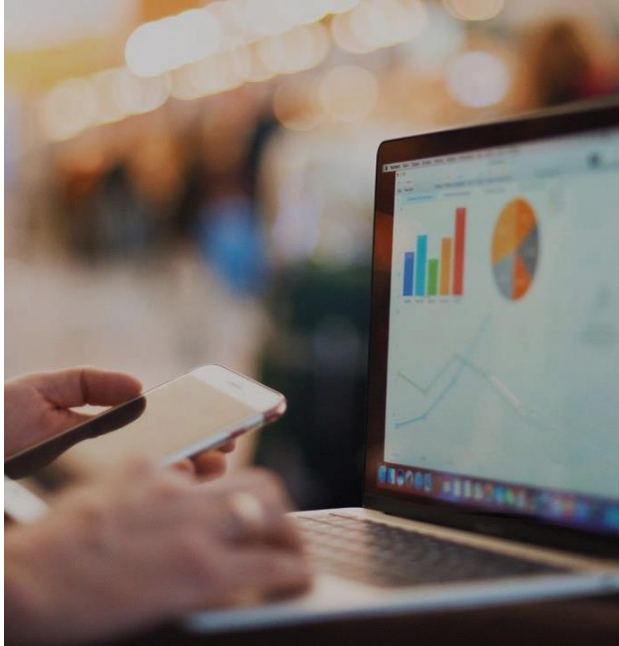
30%

lift in performance



*Source: Cisco Security Outcomes Study, Vol 2

Continuous pen testing



Subscription-based assessment



More immediacy



More flexibility; available on demand

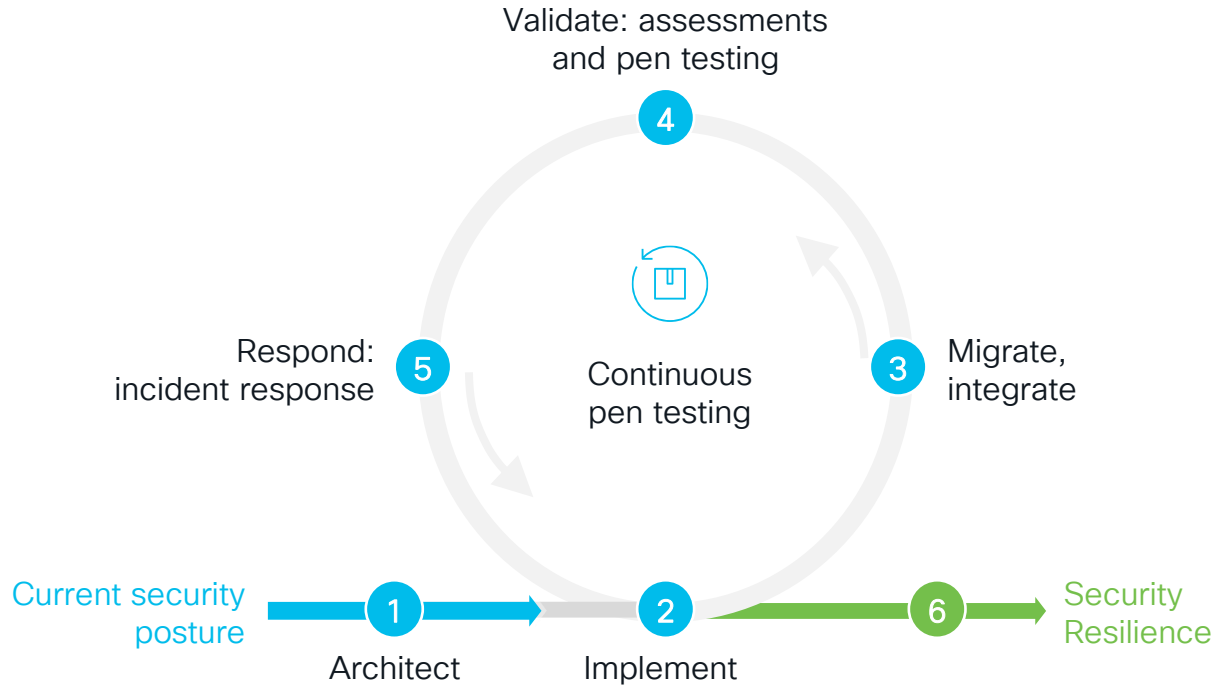


Automated tools for attack surface monitoring



Ability to react to changes immediately

End-to-end security with lifecycle approach



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2

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4. **Enter** to win a travel prize package and a Cisco U. subscription! (A value of \$6,800 USD)

Deadline to enter the drawing is Thursday, June 8, 2023 at 11:00am PDT



Official Rules:

- (1) travel prize package and a Cisco U. subscription will be given away.
- Drawing to take place Thursday, June 8 at 12:30pm PDT in the CX Theater in booth #3310 in the World of Solutions.
- Winners must be present to win, at the time of drawing.
- Winners must claim their prize immediately after the winners are announced.



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Thank you

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