

# Continuous Security

**Ashleigh Watson**  
**Chief Operating Officer**

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# Continuous Security....

*“Is a security solution that automates security across various sources of security information.*

*Continuous security solutions provide real-time visibility into an organisation’s security posture, constantly monitoring for cyber threats, security misconfigurations, or other vulnerabilities.”*

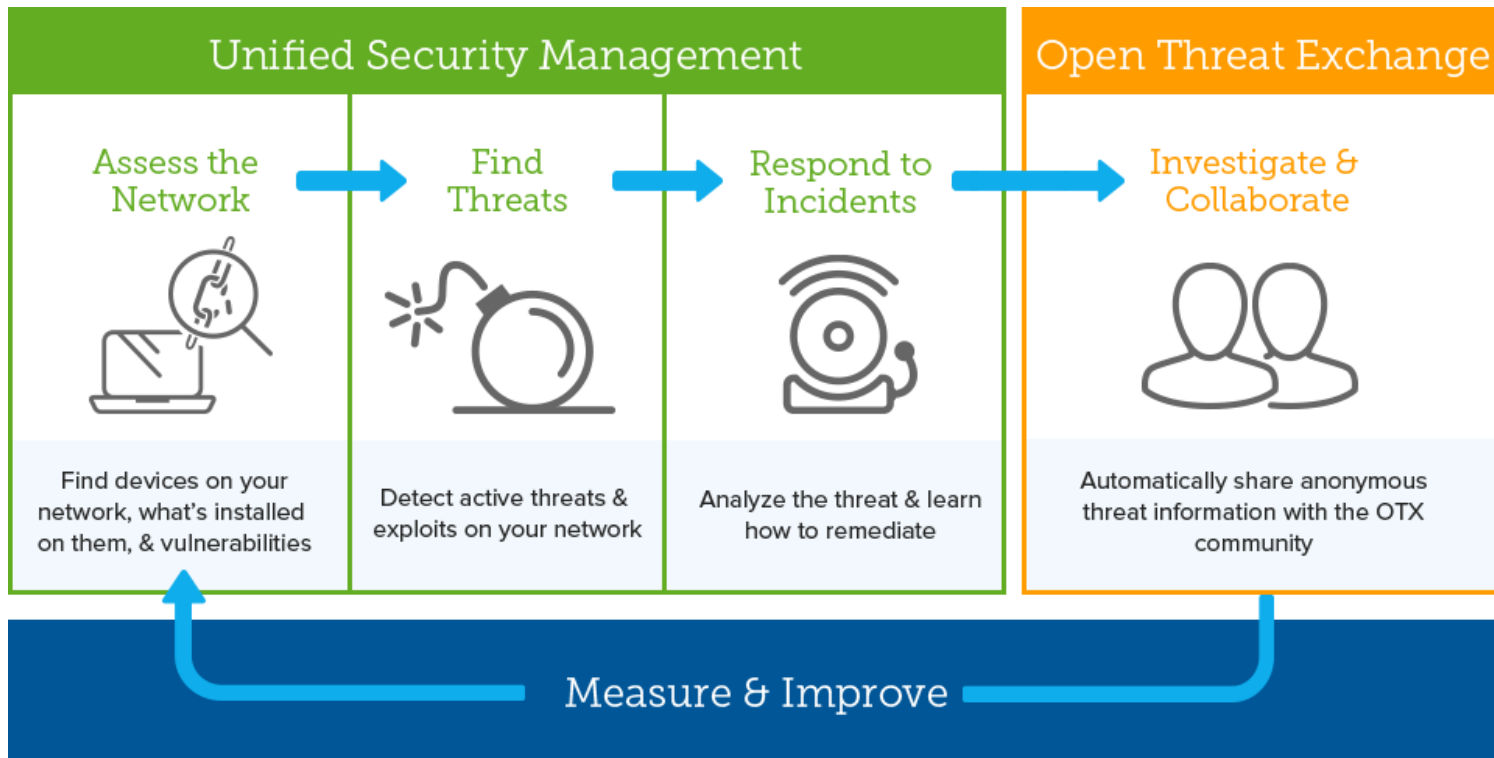


# Continuous Security....

“security fails when it’s a special event”



# Continuous Security....



# Continuous Security....

# UTM

Unified Threat Management



perimeter  
firewall



real-time  
filtering



bandwidth  
optimization



application  
control



comprehensive  
reporting



# Continuous Security....

**continuous security is**

**automated  
autonomous  
integrated  
repeatable  
scalable**



# **Continuous Security....**

**Skills  
Authority  
Accountability**



**every team**



**Continuous Security....**

**Is More Secure!**





# How Continuous Security Works....

- ✓ *Provides real-time visibility of users and their devices when they attempt to connect to or work on an enterprise network.*
- ✓ *All device types may be monitored.*
- ✓ *The ability to constantly look over their network to stay one step ahead of cyber threats.*
- ✓ *IT professionals can monitor and verify security and compliance requirements regardless of whether data resides locally or in a datacentre, virtual environment, or the cloud.*

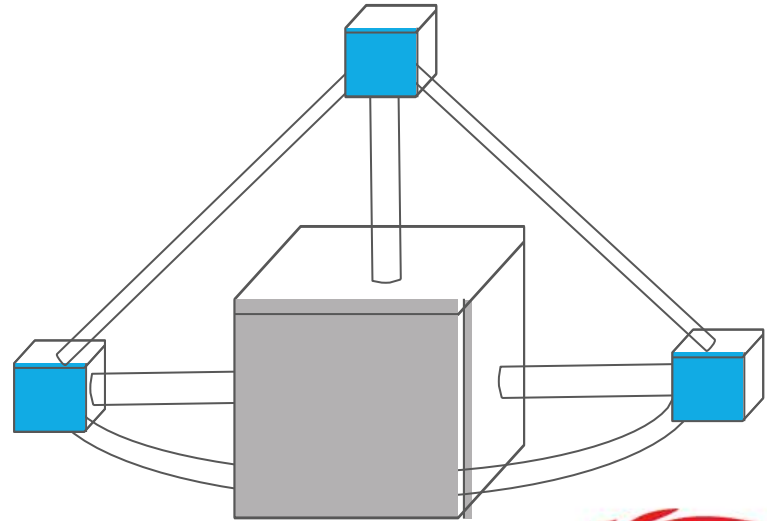
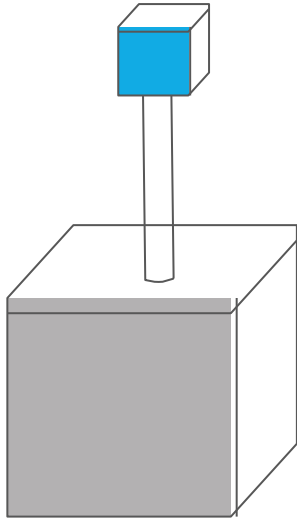




**How do we achieve Continuous Security ?**



# Continuous Security....



Traditional security only looks at one area at a time

Continuous security looks at all areas

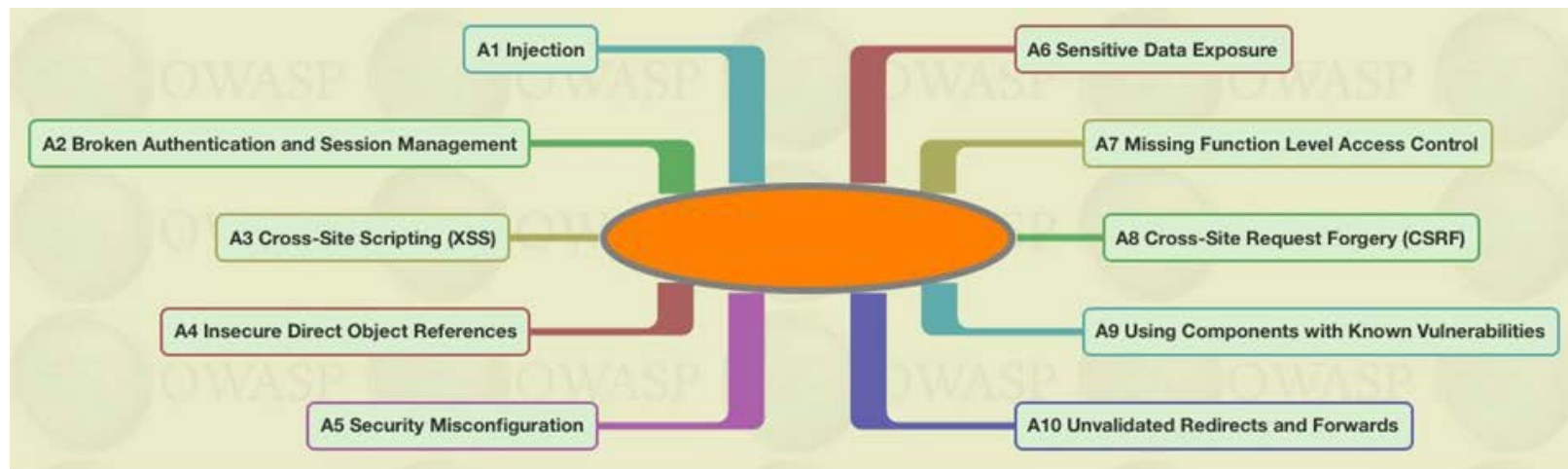


# Continuous Security....

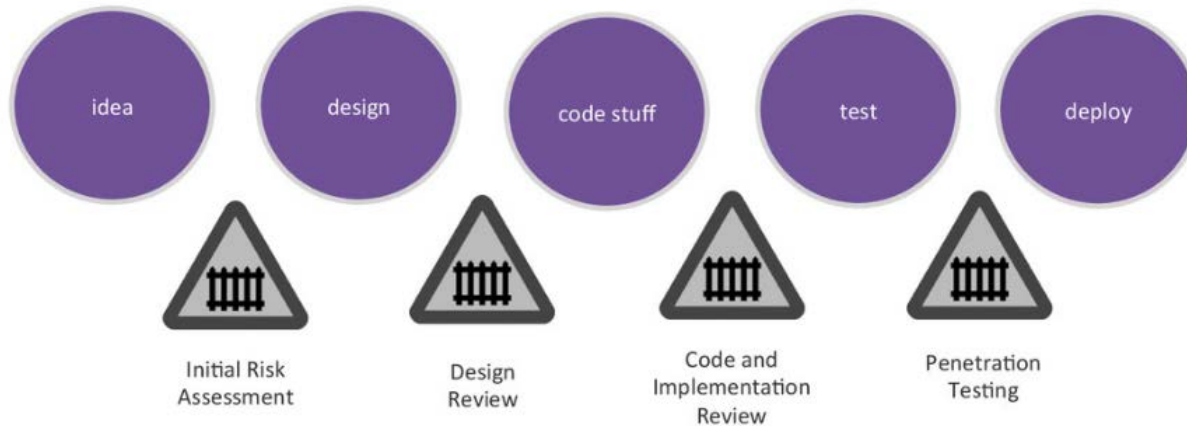
- ✓ *Rely on developers and testers more than security specialists.*
- ✓ *Secure while we work more than after we're done.*
- ✓ *Implement features securely more than adding on security features.*
- ✓ *Mitigate risks more than fix bugs.*



# Continuous Security....



# Continuous Security....



# Continuous Security....



Deployment

Provisioning

Testing

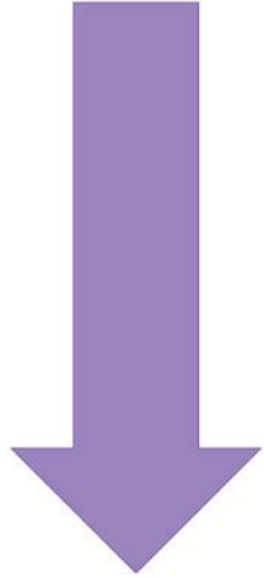
Static analysis

Vulnerability mgmt





# Continuous Security....



absent  
ad-hoc  
gated  
agile  
continuous







# Continuous Security....

## Exploitability

Access Vector  
+ Complexity  
Privilege  
User Interaction

## Impact

Confidentiality  
Integrity  
Availability

# Continuous Security....

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# Continuous Security - Challenges

- ✓ *Not enough skilled resources – always an issue – and the problem will become ever more acute!*
- ✓ *Technical challenges, such as data integration issues,*
- ✓ *Operational challenges, such as training staff to properly use the tools,*
- ✓ *Governance challenges, such as how to enforce reporting and compliance*



# Continuous Security....

- ✓ *Is essential today because organisations depend on technology and data to complete key business processes and transactions*
- ✓ *Companies also have a greater number of independent contractors and remote workers on staff, increasing their attack surface and adding channels for data loss*
- ✓ *Companies may have strict policies in place, but employees continue to use applications and devices that are not approved and put data at risk.*



**Thank you**

