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## A Global Leader in Innovative End-to-End Product Lifecycle Solutions

- Focused on enabling the world's leading technology brands
- Tailoring customer-centric solutions for the markets we serve
- Operating a global network of sites with specialized Centers of Excellence



**\$6.6 billion**  
in 2018 revenue

**38 locations**  
in 14 countries  
Headquartered  
in North America

**28,000**  
employees  
worldwide

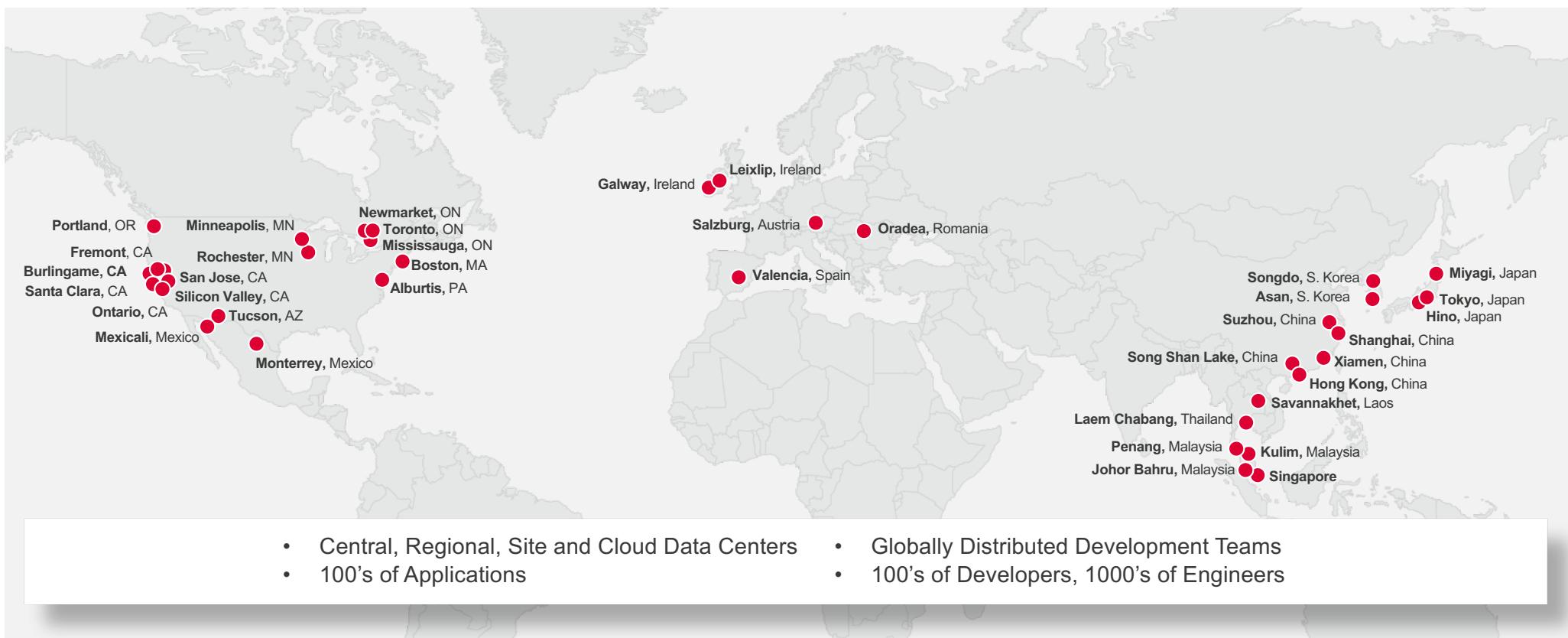
**Over 100**  
customers  
across multiple  
markets

## The Markets We Serve



# Global Footprint

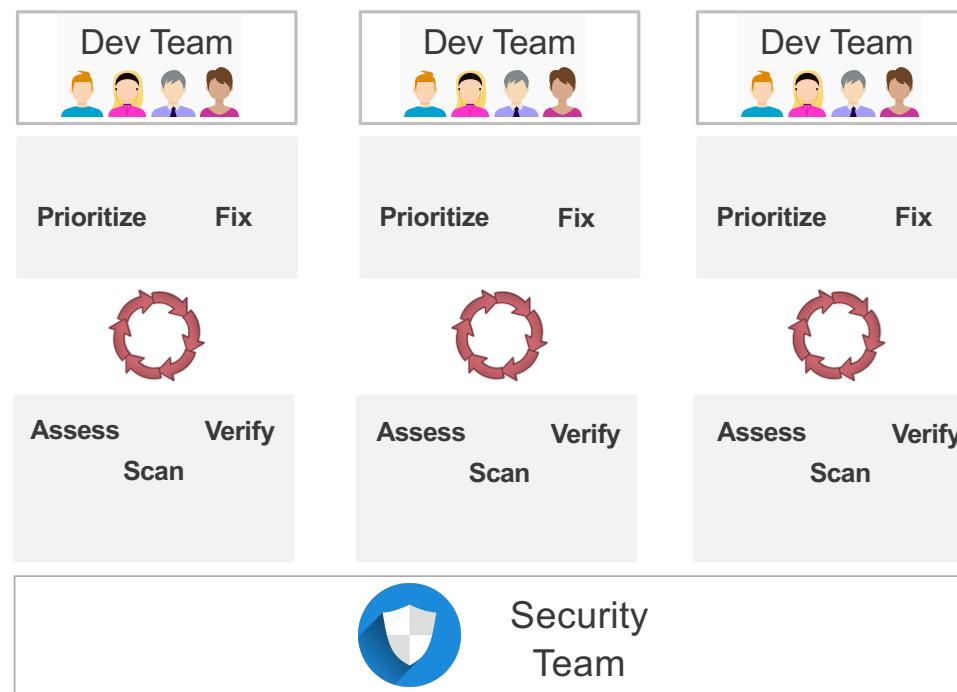
Celestica locations across the globe



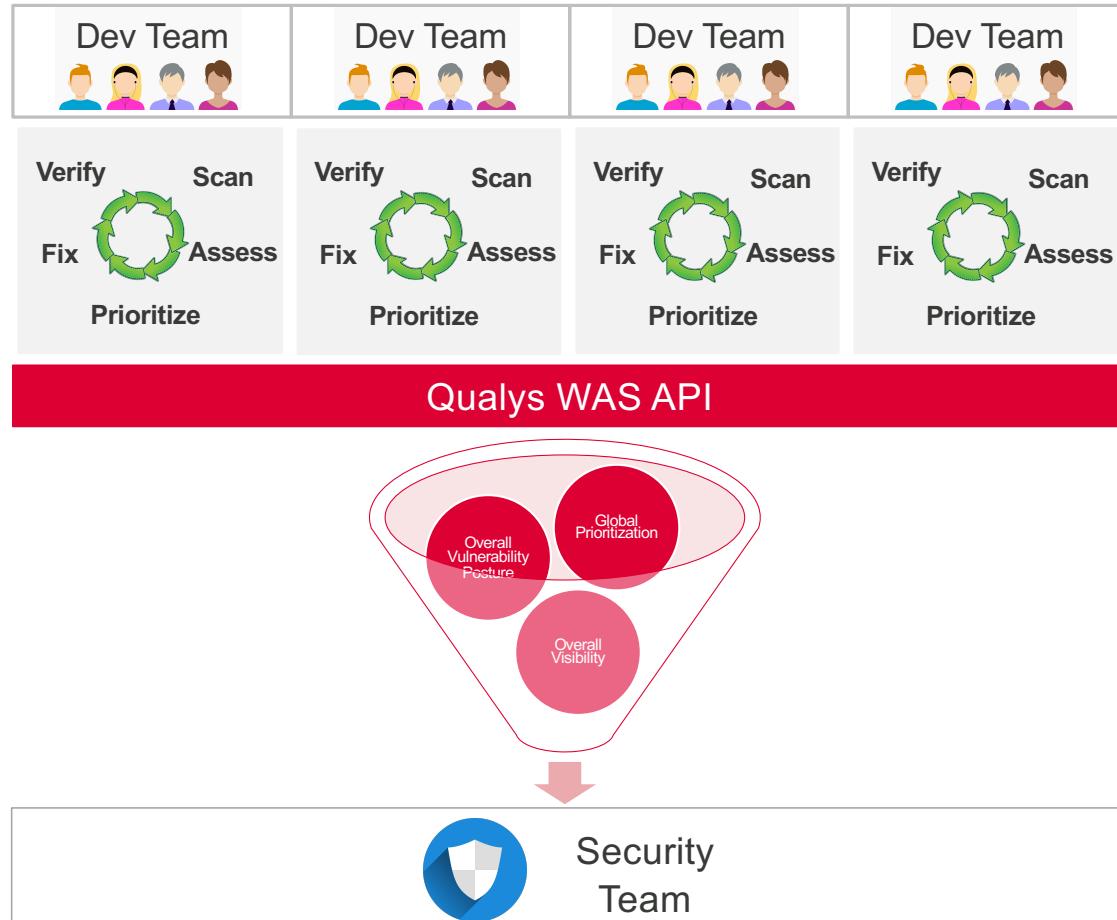
## The Challenge



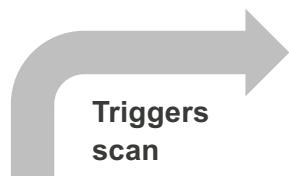
## Before Qualys WAS



## After Qualys WAS



## Speed up the process



Qualys WAS Dashboard

Dashboard: Wed 17 Apr 2013  
Scans: 268 | Burps: 62 | Reports: 39 | Configuration: 167 | KnowledgeBase: 1 selection(s)

Most Vulnerable Web Applications

Web Application Name	Last Scan Date	Total Vulnerabilities	High	Med	Low	Severity
kytobrown.vip	29 Feb 2013	100	34	5	61	Red
http://www.kytobrown.com/kytobrown/index.html	29 Feb 2013	100	34	5	61	Red
12.10.26.128	04 Mar 2013	163	36	31	106	Red
http://12.10.26.128/	04 Mar 2013	163	36	31	106	Red
SimpleCMDB	11 Apr 2013	5	-	3	2	Red
http://simplecmdb.simplesoftware.com/simplecmdb/index.php	11 Apr 2013	5	-	3	2	Red

Catalog: Total 473

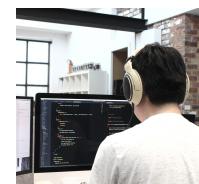
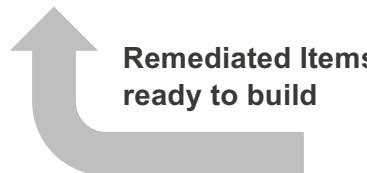
Your Last Scans

Your Upcoming Scans

Latest Reports

Qualys WAS

Azure DevOps Pipeline



Azure DevOps Boards / Work Items

DevSecOps Team

To Do

- 365 Protection against Clickjacking
- 346 Information Disclosure via Response Header
- 367 JavaScript Libraries Detected
- 369 DNS Host Name

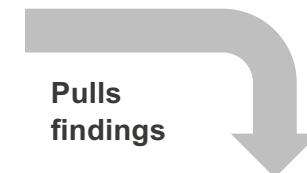
Doing

- 318 Missing Header X-Content-Type-Options
- 320 Links Created
- 312 Links With High Resource Consumption
- 315 HTTP Strict Transport Security (HSTS) Header missing/missconfigured

Done

- 322 Missing Header X-XSS-Protection
- 318 Use of JavaScript Library with Known Vulnerability
- 321 Current-Security-Rating Not Implemented
- 317 External Link Discovered

Azure DevOps Boards / Work Items



Qualys Report API Call

Parse JSON

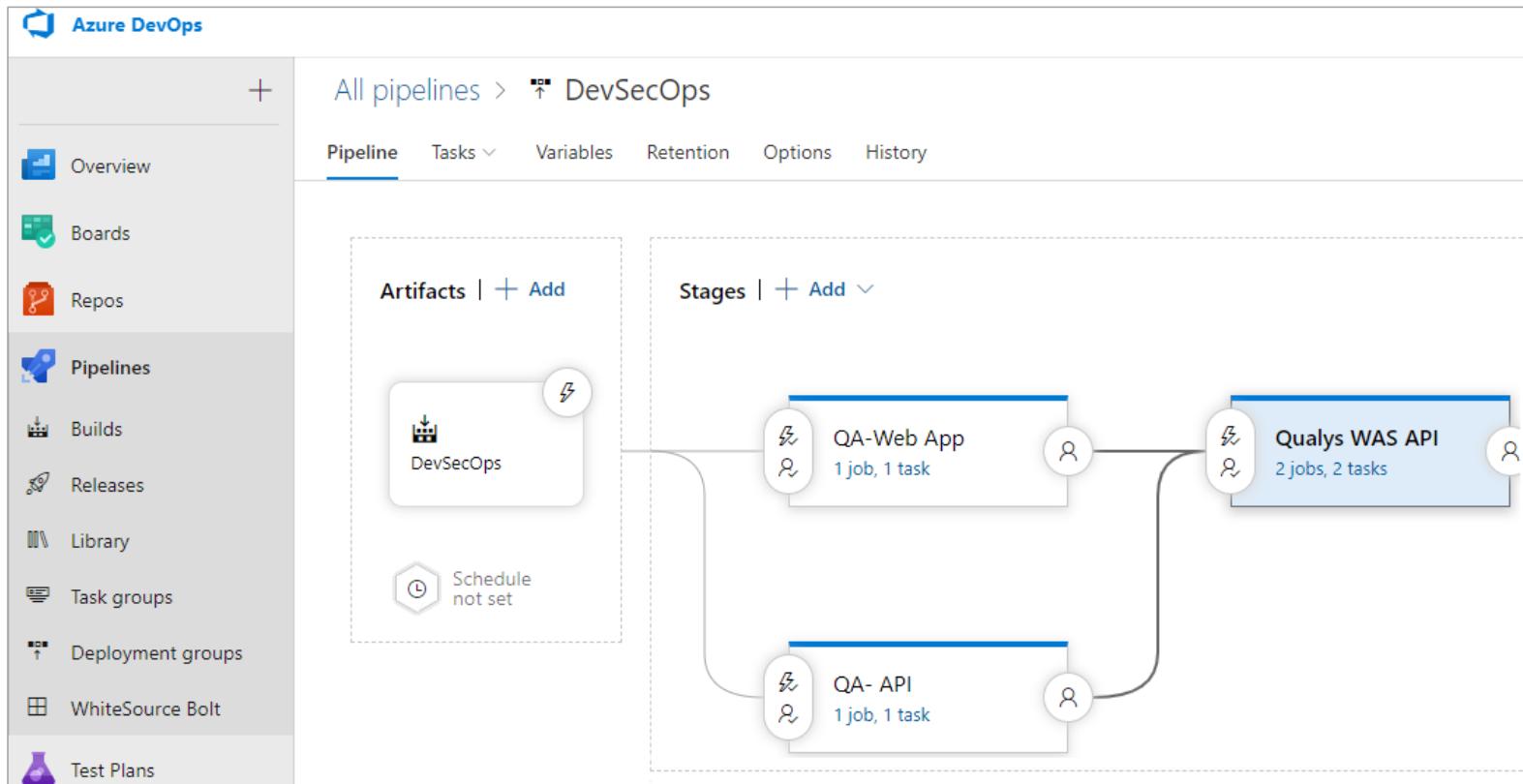
For each

Create work items in Azure DevOps Board

Azure LogicApp

Converts findings to work Items

## Azure DevOps Pipeline



## Azure DevOps Board

The screenshot shows the Azure DevOps Board interface for the 'DevSecOps Team'. The left sidebar includes links for Overview, Boards, Work items, Boards, Backlogs, Sprints, Queries, Repos, Pipelines, and Test Plans. The main area displays a backlog of items across three columns: To Do, Doing, and Done.

Column	Item ID	Description	Status
To Do	305	Protection against Clickjacking	To Do
To Do	306	Information Disclosure via Response Header	To Do
To Do	307	JavaScript Libraries Detected	To Do
To Do	309	DNS Host Name	To Do
Doing	318	Missing header: X-Content-Type-Options	Doing
Doing	320	Links Crawled	Doing
Doing	312	Links With High Resource Consumption	Doing
Doing	315	HTTP Strict Transport Security (HSTS) header missing/misconfigured.	Doing
Done	322	Missing header: X-XSS-Protection	Done
Done	326	Use of JavaScript Library with Known Vulnerability	Done
Done	321	Content-Security-Policy Not Implemented	Done
Done	317	External Links Discovered	Done

## In Conclusion

- 3x – 5x turn around time reduction on vulnerability fixes
- Expanded coverage of application security program
- Progress towards “continuous compliance”
- Continuous training for software engineers
- The journey continues...

