Case Study
Travis Perkins plc

Overview

HQ: Northhampton, England, UK

Industry: Building and Home Improvement

Profile: With 20+ industry-leading brands and over 2,000 locations, Travis Perkins plc is one of the UK's top companies in the building & home improvement market. Travis Perkins' brands include Wickes, Keyline, City Plumbing Supplies, CCF, Benchmarx, Tile Giant, and many more.

The Objective

With over 20 leading brands providing various online services for tens of thousands of consumers, Travis Perkins had the need for a strong AppSec solution in its arsenal to protect its applications. As the company shifted to an agile workflow, their development process became more fast-paced and it became evident that the company needed a strong AppSec solution that could keep up with the speed.

The Solution

The development teams at Travis Perkins work with a CI/CD flow and if security wasn't automated, they would fall behind. Travis Perkins sought an AppSec solution that would keep up with the speed of agile, had an incredibly low false-positive rate, and could enforce their strong stance towards application security.

After a thorough vendor evaluation process, Checkmarx and an another enterprise security solution made the company's short list. Travis Perkins chose to move forward with Checkmarx for the following reasons:

- Using Checkmarx Static Application Security Testing (CxSAST), security could be embedded into the earliest stages of the software development lifecycle (SDLC) and automated as part of their DevOps workflow.

- CxSAST provided Travis Perkins e-commerce application developers with a seamless solution to achieving and evidencing PCI DSS and SANS Top 10 compliance as mandated by company security policies, as well as meeting broader Software Quality Assurance objectives.

- The solution fits right into their current development environment and workflow without slowing down release speed.

- Checkmarx is seamlessly deployed using AWS infrastructure and supported completely by highly trained Checkmarx employees.

At Travis Perkins, CxSAST is deployed using AWS and used by 100 developers across the company's many development teams throughout Europe. Developers primarily use CxSAST for applications developed in Java and JavaScript, and other projects currently hosted on GitLab. Checkmarx's solution is fully integrated into the company's SDLC process. Whenever developers write new code and alter existing code, applications are automatically triggered to be scanned by Checkmarx's scan engine. After code is scanned and vulnerabilities detected, scan results are sent back to developers and security experts with information about the vulnerabilities, where they can be found, and instructions on how to remediate.

AWS Deployment of Checkmarx

Travis Perkins' commonly supports applications running on Linux. The company preferred Checkmarx maintain its Windows based solution on a private hosted environment. Travis Perkins is a happy AWS customer running a myriad of other solutions on AWS. It was very important that their DevOps specific applications running on AWS would connect to Checkmarx. Checkmarx was seamlessly and securely connected to Travis Perkins applications via Virtual Private Cloud (VPC) connection.

The Results

Travis Perkins was introduced to CxSAST's incremental scanning capability. With it, they significantly improved their code scanning process by making it faster and requiring minimal effort focusing primarily on new or altered code. Today, their Jenkins pipeline is configured to provide automatic incremental scans via CxSAST, allowing the company to preserve its agile development deployment philosophy.

Checkmarx has demonstrated its unique capabilities and adapted its CxSAST solution to fit the organization's specific security and development requirements. CxSAST has become currently a vital part of Travis Perkins' secure application development initiative for teams worldwide. The company has implemented an automated, secure SDLC, with widespread developer adoption and ongoing code remediation.