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Purpose

explain to customers how shifting security left removes security risks associated with moving to the cloud

Audience

Topics

Categories

Key Points

Header: Need to Easily Meet Security Objectives? Shift Left to Do It Right!

Header 2 Shift Left and Increase Your Security Posture

Subheader: Prisma Cloud ensures your cloud applications are secure from code to user.

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To stay relevant, organizations need to be nimble, offering new services, new capabilities and transforming their customers' experiences while managing the volatile world of cyber attackers. Moving applications to the cloud provides the first way to achieve these goals.

But how do you ensure the data, applications, and tools are secure from building the code to securely delivering the cloud applications? When you're responsible for the secure operation of your cloud services, how do you ensure the transformation of your journey to the cloud?

You've probably heard that shifting left increases your applications' security, ensuring they're deployed to the cloud without vulnerabilities. Accomplishing this can be a mystery – one that I hope to shed light on with this post.

## Shift Left – Code, Build, Deploy, and Run

### Step 1- Build Security into Your Code and Build Cycles

Continuous integration (CI) is the development lifecycle practice that provides your organization with the ability to rapidly and continuously develop, update, and maintain your cloud-based applications. The right tools ensure that your code is free from vulnerabilities before going to the build stage. Shifting left can be as simple as selecting a product designed to secure cloud applications in each step of your cloud applications' code, build, deploy and run processes.

[Palo Alto Networks Prisma Cloud](#) scanning capabilities provides visibility and control within your code. And, it builds processes to identify vulnerabilities and compliance violations before progressing to the “deploy phase” of the application’s lifecycle.

## Step 2 – Confidently Deploy Secure Applications

With modern automation, cloud applications are in a continuous cycle of development, testing and release, which introduces the fundamental challenge of continuous change. But, identifying application exposures and compliance issues staged for deployment prevents them from becoming targets of bad actors. Prisma Cloud helps *enforce your policies*, ensuring only trusted applications are deployed in the cloud runtime environment.

## Step 3 – Monitor and Track Applications Running Across the Cloud Workload Continuum

Regardless of where it’s deployed (IaaS, PaaS, SaaS, etc.), an application’s runtime actions should be monitored for abnormal behaviors. Prisma Cloud quickly *identifies* expected behaviors and *prevents* anomalous behavior. It secures runtime environments with built-in scanning capabilities, policy enforcement, predictive and threat-based protection. Prisma Cloud helps shift your security left, optimizing your cloud applications security.

To help configure, provision, deploy and gain the maximum benefit from Prisma Cloud, we recommend [Prisma Cloud CBDR Adoption Workshop](#) or [QuickStart Service for Prisma Cloud Code Security](#), and shift left for optimum cloud application security.

Register [for Ignite 2022](#) and sign up on Wednesday, December 14, 2022 for Cloud Native Application Protection. Select our Breakout Session BO1138 – Code to Cloud: Shift Left with Prisma Cloud, level 1, room 153. Alec Harrell, one of our automation experts, and I will be available to walk you through use-cases and a demo, as well as talk to you about how Prisma Cloud can help you shift left to achieve your security objectives. See you there!

