



# Black Duck and Pivotal Cloud Foundry

## Get the open source security of Black Duck for Pivotal Cloud Foundry

### Overview

Containers and cloud-based application development and deployment are revolutionizing the way teams build and deliver software. Organizations are developing faster, they're deploying continuously, and they can release software more reliably than ever before. Pivotal Cloud Foundry (PCF) gives teams the tools they need for this digital transformation by providing the speed to rapidly deploy and the reliability to run applications at enterprise scale in the cloud.

### Cloud environments and open source complicate security

As teams adopt managed cloud build and deployment environments, they continue to automate processes and speed delivery. That can lead to challenges for security, as teams lack the visibility into and control over contents of their container images, which are built largely with open source. That gap in visibility and control can expose teams to open source security vulnerabilities. And with new vulnerabilities being reported every day, DevOps teams need an automated solution that will provide visibility into any open source security risks that affect the applications and containers they are building and releasing.

### Build and release fast and securely

To help teams build fast and stay secure in the cloud with containers (or droplets in PCF), Synopsys and Pivotal have partnered to build a solution that automates the management of open source security for your PCF applications.

With the Black Duck Service Broker, you can automatically scan droplet images for vulnerabilities at the point where they are pushed into the environment, streamlining the development workflow and ensuring that all droplet images have been reviewed. Simply install the Black Duck Service Broker for PCF from the Pivotal Network, and you can run Black Duck scans automatically as part of your end-to-end PCF build process. This automatic scanning and monitoring of droplet images helps teams manage droplet security at scale without slowing speed or agility.

## Develop safely in the cloud

The Black Duck integration for PCF allows teams to accelerate the production use of the cloud and gain automated intelligence, visibility, and control of their open source software throughout the application development life cycle. Other features of the Black Duck integration:



### Scan and identify open source.

Black Duck's automated scanning capability identifies and inventories all the open source in your applications and container using the Black Duck KnowledgeBase™, the world's most comprehensive repository of open source intelligence available, with information for millions of projects from over 9,000 independent data sources.



### Map known vulnerabilities.

Identify known vulnerabilities for the open source in your applications and containers. Find out which ones already have patches available, and get remediation guidance for those that don't.



### Monitor for new vulnerabilities.

Get ongoing monitoring and alerting on newly reported open source security vulnerabilities associated with open source in use.



### Enforce open source use policies.

Set policies for open source projects, license types, and vulnerability tolerance. Quickly identify policy violations and manage exceptions by project and component.

## The Synopsys difference

Synopsys helps development teams build secure, high-quality software, minimizing risks while maximizing speed and productivity. Synopsys, a recognized leader in application security, provides static analysis, software composition analysis, and dynamic analysis solutions that enable teams to quickly find and fix vulnerabilities and defects in proprietary code, open source components, and application behavior. With a combination of industry-leading tools, services, and expertise, only Synopsys helps organizations optimize security and quality in DevSecOps and throughout the software development life cycle.

For more information, go to [www.synopsys.com/software](http://www.synopsys.com/software).

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