



# Installing Black Duck using Kubernetes

Version 2019.10.0



This edition of the *Installing Black Duck using Kubernetes* refers to version 2019.10.0 of Black Duck.

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**Please send your comments and suggestions to:**

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## Black Duck documentation

The documentation for Black Duck consists of online help and these documents:

| Title                                      | File                        | Description   |
|--|-----------------------------|---|
| Release Notes                              | release_notes.pdf           | Contains information about the new and improved features, resolved issues, and known issues in the current and previous releases. |
| Installing Black Duck using Docker Compose | install_compose.pdf         | Contains information about installing and upgrading Black Duck using Docker Compose.  |
| Installing Black Duck using Docker Swarm   | install_swarm.pdf           | Contains information about installing and upgrading Black Duck using Docker Swarm.  |
| Installing Black Duck using Kubernetes     | install_kubernetes.pdf      | Contains information about installing and upgrading Black Duck using Kubernetes.  |
| Installing Black Duck using OpenShift      | install_openshift.pdf       | Contains information about installing and upgrading Black Duck using OpenShift.   |
| Getting Started                            | getting_started.pdf         | Provides first-time users with information on using Black Duck.   |
| Scanning Best Practices                    | scanning_best_practices.pdf | Provides best practices for scanning.   |
| Getting Started with the SDK               | getting_started_sdk.pdf     | Contains overview information and a sample use case.  |

| Title           | File           | Description  |
|-----------------|----------------|--|
| Report Database | report_db.pdf  | Contains information on using the report database. |
| User Guide      | user_guide.pdf | Contains information on using Black Duck's UI.     |

Black Duck integration documentation can be found on [Confluence](#).

## Customer support

If you have any problems with the software or the documentation, please contact Synopsys Customer Support.

You can contact Synopsys Support in several ways:

- Online: <https://www.synopsys.com/software-integrity/support.html>
- Email: [software-integrity-support@synopsys.com](mailto:software-integrity-support@synopsys.com)
- Phone: See the Contact Us section at the bottom of our [support page](#) to find your local phone number.

Another convenient resource available at all times is the [online customer portal](#).

## Synopsys Software Integrity Community

The Synopsys Software Integrity Community is our primary online resource for customer support, solutions, and information. The Community allows users to quickly and easily open support cases and monitor progress, learn important product information, search a knowledgebase, and gain insights from other Software Integrity Group (SIG) customers. The many features included in the Community center around the following collaborative actions:

- Connect - Open support cases and monitor their progress, as well as, monitor issues that require Engineering or Product Management assistance
- Learn - Insights and best practices from other SIG product users to allow you to learn valuable lessons from a diverse group of industry leading companies. In addition, the Customer Hub puts all the latest product news and updates from Synopsys at your fingertips, helping you to better utilize our products and services to maximize the value of open source within your organization.
- Solve - Quickly and easily get the answers you're seeking with the access to rich content and product knowledge from SIG experts and our Knowledgebase.
- Share - Collaborate and connect with Software Integrity Group staff and other customers to crowdsource solutions and share your thoughts on product direction.

[Access the Customer Success Community](#). If you do not have an account or have trouble accessing the system, click [here](#) to get started, or send an email to [community.manager@synopsys.com](mailto:community.manager@synopsys.com).

## Training

Synopsys Software Integrity, Customer Education (SIG Edu) is a one-stop resource for all your Black Duck education needs. It provides you with 24x7 access to online training courses and how-to videos.

New videos and courses are added monthly.

At Synopsys Software Integrity, Customer Education (SIG Edu), you can:

- Learn at your own pace.
- Review courses as often as you wish.
- Take assessments to test your skills.
- Print certificates of completion to showcase your accomplishments.

Learn more at <https://community.synopsys.com/s/education>.

# Chapter 1: Installing using Synopsys Operator

Kubernetes is an orchestration tool used for managing cloud workloads through containers.

As of the 2019.4.0 Black Duck release, the Synopsys recommended method to install Black Duck on Kubernetes or OpenShift is Synopsys Operator.

Synopsys Operator is a cloud-native administration utility that assists in the deployment and management of Synopsys software in Kubernetes and OpenShift clusters. After Synopsys Operator is installed, you can leverage it to easily deploy and manage Synopsys software.

- Click [here](#) for an overview of Black Duck for Kubernetes/OpenShift.
- Click [here](#) for an overview of Synopsys Operator.
- Click [here](#) for documentation on installing and using Synopsys Operator.

If you are a customer using Kubernetes and are using an install method other than the Synopsys Operator, please contact Synopsys Customer Support for migration assistance. Though a transition to the Synopsys Operator is very straightforward, our support team is available to provide additional aid in the migration to the Synopsys Operator.