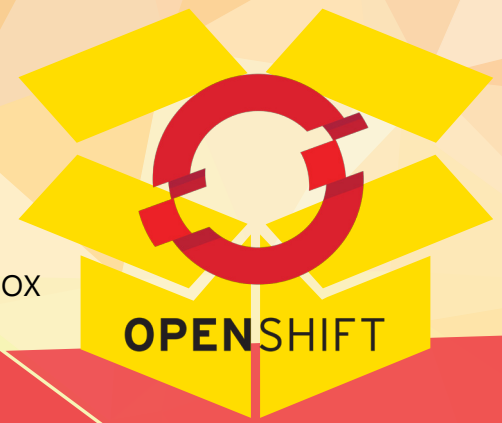


OpenShift-in-a-box

PRODUCT SHEET



QUICK START YOUR KUBERNETES PLATFORM WITH OPENSIFT-IN-A-BOX

OpenShift-in-a-box is a solution developed by Kangaroot that allows you to easily start with a Kubernetes platform. Based on a few selections (that you can make on www.openshift-in-a-box.be) we will provide you with a ready to start OpenShift platform and if needed workshops & services to kickstart the change of development culture needed for your Digital Transformation.



One of the 1st decisions you have to make is whether you want to run it in your data centre (**on-premise**) or in the **cloud**. To run the solutions in your own data centre, we are joining forces with **HPE** to provide you with a solid infrastructure. If you already have hardware available and the specifications are ok, we can install the stack on your hardware. For cloud environments we are working together with **Microsoft Azure**.

WHAT DO YOU GET?

1. A ready-to-start **OpenShift environment** incl. basic logging, CI/CD pipelines & monitoring.
This configuration is designed by Kangaroot based on years of experience.
2. A **strong virtualisation layer** built on Red Hat Virtualisation for the on-premise option or a predefined set of Azure resources and services if you choose to run the stack in the cloud.
Our experience takes the hard work out of designing and building this type of stack. We decide what hardware, virtualisation design or which type of Azure resources to use. And everything is built with flexibility to change in the future in mind.
3. Once the installation is done, we help you to get started & help you run the **first sets of containers**.
4. One **day of consultancy** by one of our expert engineers is included in the price.
5. Support
There are a few **support** options available to help you after the installation is running: office hours or 24/7 support. Both include an onsite engineer 1 day/month. Plus we take care of security updates, patches & basic maintenance for up to 10 nodes.
We react based on our monitoring of the platform.
You can call us during office hours or 24/7 if something goes wrong with your infrastructure.

RED HAT® VIRTUALIZATION

The on-premise installation is built on top of Red Hat Virtualization (RHV) suite. RHV is an open, software defined, efficient platform for virtualised Linux & Windows workloads, built on Red Hat Enterprise Linux and Kernel-based Virtual Machine (KVM) technologies.

Automated management, scaling and security features let you build a streamlined, reliable environment for virtualised applications and cloud-native workloads. Virtual-to-virtual (V2V) conversion tooling lets you easily migrate workloads from other hypervisors.

A RESTful application programming interface (API) lets you integrate Red Hat Virtualization into your existing infrastructure and easily add innovative new technologies as business requirements change. Red Hat Virtualisation provides the perfect basis for your OpenShift Virtual machines.

Besides our standard OpenShift setup we offer a few extra options such as:

- 3-day course set-up CI/CD pipelines;
- 1-day training OpenShift & Kubernetes;
- End-to-end monitoring incl. 2-day consultancy to setup your environment;
- ...

RED HAT OPENSIFT

Red Hat OpenShift includes everything needed for hybrid cloud, enterprise container and Kubernetes development and deployments. It includes an enterprise-grade Linux operating system, container runtime, networking, monitoring, container registry, authentication, and authorization solutions. These components are tested together for unified operations on a complete Kubernetes platform spanning every cloud.

WHY ENTERPRISE KUBERNETES?

While it might not be difficult to download and install upstream Kubernetes, getting it ready for production to run business-critical applications for an enterprise requires additional effort. There are also additional services that can accompany Kubernetes that help build out a more robust and feature-rich environment to deploy containers. Red Hat works with its customers and partners to develop new features and functionalities not yet included in upstream Kubernetes, integrate those features with additional services, and harden those features before release.



kubernetes

Managing a Kubernetes environment is hard when it lacks consistent deployment practices and has countless variants of application instances. Kubernetes Operators simplify the management of stateful applications that require persistence and predictability like databases, caches, and monitoring systems. They codify and package applications with management best practices and use standard Kubernetes tooling to automate tasks such as updates, backups, and node scaling.

Red Hat OpenShift supports using Operators as a model to support scaling applications while reducing the overhead in maintaining operational consistency:

- Operators are built into OpenShift, so Kubernetes and cluster services are always up to date.
- Embedded Operator Hub provides a discovery marketplace for independent software vendor (ISV) Operators, validated to run on OpenShift.
- The Kubernetes Operators framework is not proprietary to OpenShift and can be deployed on any Kubernetes platform.

BENEFITS OPENSIFT-IN-A-BOX

- Fast way to start DevOps and Kubernetes
- Build on Red Hat enterprise products such as Red Hat Enterprise Linux and Red Hat Virtualization suite
- Managed by Kangaroot
- Possibility to have 24/7 support
- Full CI/CD pipelines available

BENEFITS OPENSIFT



OPENSIFT

- Highly scalable
- Easy persistent storage with OpenShift container storage
- Multicloud federation
- OpenSource standards (CNCF, OCI)
- Container portability due to OCI standards
- Integrated CI/CD pipelines for developers
- Developers have direct access to a rich set of command-line tools, a multidevice web console, and Eclipse-based IDEs.
- Easy Automation
- And much more...

OPENSIFT-IN-A-BOX

Thanks to our experience and knowledge of Red Hat OpenShift, OpenShift-in-a-Box allows you to quickly start using OpenShift in your environment. This way your developers can start running their applications on an Enterprise Kubernetes platform built to last. And with the integrated CI/CD pipelines it is easy to start deploying. Plus, with the included consultancy we help you to deploy your first application. Are you ready to start? Fill in the form at www.openshift-in-a-box.be

