



Kuryr Cluster Network Operator

BigDataStack Software Component developed by Red Hat

Description

Integrate Kuryr at the OpenShift Cluster Network Operator.

Features

Integration of Kuryr at Cluster Network Operator. This ensures we follow the Operators pattern and deploying OpenShift cluster with Kuryr as CNI (Container Networking Interface) is straightforward, as well as day-2 operators (updates, upgrades, fault-recovery, ...).

Areas of Application

Deploying OpenShift on top of OpenStack with Kuryr CNI. This allows to easily deploy and manage OpenShift cluster with Kuryr so that its improvements due to avoiding double encapsulation are easy to obtain.



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Market trends & opportunities

Make Kuryr project a more solid and appealing as a CNI for OpenShift/ Kubernetes deployments.

Customer benefits

Possibility of easily deploying/managing OpenShift clusters with Kuryr as SDN/CNI and therefore get the big boost in the <https://github.com/openshift/installer> performance (up to 9x).

Technological novelty

Adapt Kuryr deployment model to the Kubernetes Operator model.

TRL level: 9

Find the Open Source code here:

- <https://github.com/openshift/cluster-network-operator>
- <https://github.com/openshift/installer>