



Kuryr integration into Cluster Network Operator

BigDataStack Software Component developed by RedHat

Kuryr Cluster Network Operator component ensures easy deployment and management of KuryrSDN on OpenShift 4.X cluster on top of OpenStack VMs

Input

Cluster and Operator config yamls: <https://github.com/openshift/cluster-network-operator#configuration-objects>

Initial TRL

TRL 0

Output

Kuryr SDN installed and configured on the OpenShift cluster.

Final TRL

TRL 9

End Users

Customers willing to use kuryr to avoid double encapsulation problem when running OpenShift on top of OpenStack.

Key Features and Benefits

Easy deployment and management of KuryrSDN on OpenShift 4.X cluster on top of OpenStack VMs



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Standards involved in the development of the component

Open Source, modifications made to different upstream projects, such as Cluster API, Cluster Network Operator, OpenShift/Installer, Gophercloud, Terraform, etc.

Implementation in BigDataStack Use Cases

The Kuryr cluster network operator applies to all three BigDataStack use-cases in terms of infrastructure set up through Cluster Management

How can the BigDataStack component contribute to Standardization foundations or initiatives?

It is being developed as part of the upstream Open Source Community around Kubernetes/OpenShift

Differentiators from competitors in the market

All the functionalities (features, operators and drivers) are open sourced and developed upstream within their related project communities. This means with cooperation with other companies (i.e., providing feedback, reviews, requirement).