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

Output
Kuryr SDN installed and configured on the OpenShift cluster.

Initial TRL
TRL 0

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
Kuryr integration into Cluster Network Operator

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).