



Network Policy support at Kuryr

BigDataStack Software Component developed by RedHat

By default all Kubernetes pods are non-isolated and they accept traffic from any source. "Network policy" is Kubernetes specification that defines how groups of pods are allowed to communicate with each other and other network endpoints. This specification suggests a design for supporting Kubernetes "Network policy" in Kuryr.

Input

Network Policy Kubernetes Object

Output

Network policy being enforced through OpenStack security groups.

Initial TRL

TRL 0

Final TRL

Already merged upstream, TRL7, expected to be TRL9 at the end of the project.

End Users

Customers willing to use kuryr to avoid double encapsulation problem.



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Key Features and Benefits

The network policy support in itself is the feature, no additional benefits apply.

Standards involved in the development of the component

Opensource, OpenStack upstream community

Implementation in BigDataStack Use Cases

The network policy support at Kuryr applies to all three BigDataStack use-cases in terms of network traffic shaping and controlling.

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

It is already part of Kuryr OpenStack project: <https://wiki.openstack.org/wiki/Kuryr>

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).