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.
Network Policy support at Kuryr

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).