Red Hat OpenStack Platform 13

Firewall Rules for Red Hat OpenStack Platform

List of required ports and protocols.

Last Updated: 2023-01-31

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List of required ports and protocols.

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Abstract

This article describes the firewall rules created by the Red Hat OpenStack Platform director.

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MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright's message.

CHAPTER 1. FIREWALL RULES FOR RED HAT OPENSTACK PLATFORM

This article provides a link to the Red Hat OpenStack network flow matrix. The matrix describes network flows created by the director on Red Hat OpenStack Platform. These ports are required for services running on the overcloud. Use this information to determine firewall rules.

1.1. RED HAT OPENSTACK NETWORK FLOW MATRIX

The network flow matrix is a comma separated values (CSV) file that describes flows to and from OpenStack services.

NOTE: The network flow matrix describes common traffic flows. It does not describe every possible flow. Some flows that are not described in this matrix might be critical to operation. For instance, if you block all traffic and then selectively open only the flows described here, you might unintentionally block a necessary flow. That could cause issues that are difficult to troubleshoot.

The matrix describes flows in the following columns.

Service

The OpenStack service.

Protocol

Transmission protocol.

Dest. Port

Destination port.

Source Object

Source of data.

Dest. Object

Destination of data.

Source/Dest Pairs

Valid source and destination pairs.

Dest. Network

Destination network.

ServiceNetMap Parent

Determines the network type used for each service.

Traffic Description

Notes about the traffic flow.

Download the network flow matrix file from the following location:

Red Hat OpenStack Network Flows .