



Red Hat OpenStack Platform

9

Configure firewall rules for Red Hat OpenStack Platform director

Configure firewalls between the Controller and Compute nodes

OpenStack Team

Red Hat OpenStack Platform 9 Configure firewall rules for Red Hat OpenStack Platform director

Configure firewalls between the Controller and Compute nodes

OpenStack Team
rhos-docs@redhat.com

Legal Notice

Copyright © 2017 Red Hat, Inc.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at

<http://creativecommons.org/licenses/by-sa/3.0/>

. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux ® is the registered trademark of Linus Torvalds in the United States and other countries.

Java ® is a registered trademark of Oracle and/or its affiliates.

XFS ® is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL ® is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js ® is an official trademark of Joyent. Red Hat Software Collections is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack ® Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

This article describes the firewall rules required for Red Hat OpenStack Platform director.

Table of Contents

1. CONFIGURE FIREWALL RULES FOR RED HAT OPENSTACK PLATFORM DIRECTOR 2

1. CONFIGURE FIREWALL RULES FOR RED HAT OPENSTACK PLATFORM DIRECTOR

This article describes the network ports required for controllers on Red Hat OpenStack Platform 9.

Service	Protocol	Ports	Notes
mongodb_config	TCP	27019	mongodb_config
mongodb_sharding	TCP	27018	mongodb_sharding
mongodb	TCP	27017	MongoDB
mysql_galera	TCP	873	MySQL
mysql_galera	TCP	3306	
mysql_galera	TCP	3306	
mysql_galera	TCP	4444	
mysql_galera	TCP	4567	
mysql_galera	TCP	4568	
mysql_galera	TCP	9200	Galera-monitor
ntp	UDP	123	NTP
VRRP	VRRP		VRRP

Service	Protocol	Ports	Notes
haproxy_stats	TCP	1993	
redis	TCP	6379	internal service coordination
redis	TCP	26379	
rabbitmq	TCP	5672	Rabbitmq
ceph	TCP	6789	
ceph	TCP	6800-6810	
keystone	TCP	5000	Keystone Public API
keystone	TCP	13000	Keystone Public API (SSL)
keystone	TCP	35357	Keystone Admin API
keystone	TCP	13357	Keystone Admin API (SSL)
glance	TCP	9292	Glance API
glance	TCP	9191	Glance Registry API
glance	TCP	13292	Glance API (SSL)
nova	TCP	6080	Nova novnc Proxy

Service	Protocol	Ports	Notes
nova	TCP	13080	Nova novnc Proxy (SSL)
nova	TCP	8773	Nova EC2 API
nova	TCP	3773	Nova EC2 API (SSL)
nova	TCP	8774	Nova API
nova	TCP	13774	Nova API (SSL)
nova	TCP	8775	Nova Metadata
neutron	TCP	9696	Neutron API
neutron	TCP	13696	Neutron API (SSL)
neutron_DHCP	TCP	67	Provisioning the Overcloud
neutron_DHCP	UDP	68	
neutron_vxlan	UDP	4789	VXLAN
cinder	TCP	8776	Cinder API
cinder	TCP	13776	Cinder API (SSL)
iSCSI	TCP	3260	
memcached	TCP	11211	

Service	Protocol	Ports	Notes
Swift	TCP	8080	Swift Proxy
Swift	TCP	13808	Swift Proxy (SSL)
Swift	TCP	873	Rsync
Swift	TCP	6000	Object Server
Swift	TCP	6001	Container Server
Swift	TCP	6002	Account Server
ceilometer	TCP	8777	Ceilometer API
ceilometer	TCP	13777	Ceilometer API (SSL)
heat	TCP	8000	Heat AWS CloudFormation-compatible API
heat	TCP	13800	Heat AWS CloudFormation-compatible API (SSL)
heat	TCP	8003	Heat AWS CloudWatch-compatible API
heat	TCP	13003	Heat AWS CloudWatch-compatible API (SSL)
heat	TCP	8004	Heat API Endpoint

Service	Protocol	Ports	Notes
heat	TCP	13004	Heat API Endpoint (SSL)
horizon	TCP	80	Dashboard
horizon	TCP	443	Dashboard
SNMP	UDP	161	Ceilometer
aodh	TCP	8042	Ceilometer
aodh	TCP	13042	Ceilometer
gnocchi-api	TCP	8041	
gnocchi-api	TCP	13041	
Corosync	TCP	2224	Pacemaker clustering
Corosync	TCP	3121	Pacemaker clustering
Corosync	TCP	21064	Pacemaker clustering
Corosync	UDP	5405	Pacemaker clustering
sahara	TCP	8386	OpenStack Data Processing
sahara	TCP	13386	OpenStack Data Processing

