



Red Hat OpenStack Platform

8

Configure firewall rules for Red Hat OpenStack Platform director

Configure firewalls between the Controller and Compute nodes

OpenStack Team

Red Hat OpenStack Platform 8 Configure firewall rules for Red Hat OpenStack Platform director

Configure firewalls between the Controller and Compute nodes

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Abstract

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

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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 8.

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
rabbitmq	TCP	35672	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)

Service	Protocol	Ports	Notes
nova	TCP	6080	Nova novnc Proxy
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	

Service	Protocol	Ports	Notes
memcached	TCP	11211	
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)

Service	Protocol	Ports	Notes
heat	TCP	8004	Heat API Endpoint
heat	TCP	13004	Heat API Endpoint (SSL)
horizon	TCP	80	Dashboard
horizon	TCP	443	Dashboard
SNMP	UDP	161	Ceilometer

The following ports may also be required, depending on your deployment:

Service	Protocol	Ports	Notes
Ironic API	TCP	6385	
Ironic API (SSL)	TCP	13385	
Manila API Port	TCP	8786	
Manila API Port (SSL)	TCP	13786	
Mistral API	TCP	8989	
Mistral API (SSL)	TCP	13989	
Sahara API	TCP	8386	
Sahara API (SSL)	TCP	13386	

Service	Protocol	Ports	Notes
Trove API	TCP	8779	
Trove API (SSL)	TCP	13779	
Zaqar API	TCP	8888	
Zaqar API (SSL)	TCP	13888	
Ceph RGW	TCP	8080	
Ceph RGW (SSL)	TCP	13808	
Zaqar Web Service	TCP	9000	
Barbican API	TCP	9311	
Barbican API (SSL)	TCP	13311	
Docker Registry	TCP	8787	
Docker Registry (SSL)	TCP	13787	
Gnocchi API	TCP	8041	
Gnocchi API (SSL)	TCP	13041	