



# Red Hat OpenStack Platform 17.1

## Package manifest

Package listing for Red Hat OpenStack Platform



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Package listing for Red Hat OpenStack Platform

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## Abstract

The Package manifest provides a list of all packages in this release of Red Hat OpenStack Platform.

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## CHAPTER 1. RELEASE SCHEDULE

The following table lists the dates of the Red Hat OpenStack Platform 17.1 GA, along with the dates of each subsequent asynchronous release for core components:

**Table 1.1. Red Hat OpenStack Platform 17.1 core component release schedule**

Release	Date
17.1.0 (General Availability)	17 August, 2023

## CHAPTER 2. PACKAGE LIST

For information about package designation, see

[https://access.redhat.com/support/offerings/production/scope\\_moredetail](https://access.redhat.com/support/offerings/production/scope_moredetail).

**Table 2.1. Package list**

Package name	License
ansible-collection-ansible-netcommon	"GPLv3+ and BSD and Python"
ansible-collection-ansible-posix	"GPLv3+ and Python"
ansible-collection-ansible-utils	"GPLv3+"
ansible-collection-community-general	"GPLv3+ and BSD and Python"
ansible-collection-containers-podman	"GPLv3+"
ansible-collections-openstack	"GPLv3+"
ansible-config_template	"ASL 2.0"
ansible-pacemaker	"ASL 2.0"
ansible-role-atos-hsm	"ASL 2.0"
ansible-role-chrony	"ASL 2.0"
ansible-role-collectd-config	"ASL 2.0"
ansible-role-collect-logs	"ASL 2.0"
ansible-role-container-registry	"ASL 2.0"
ansible-role-lunasa-hsm	"ASL 2.0"
ansible-role-metalsmith-deployment	"ASL 2.0"
ansible-role-network-runner	"ASL 2.0"
ansible-role-openstack-operations	"ASL 2.0"
ansible-role-qdr-config	"ASL 2.0"
ansible-role-redhat-subscription	"ASL 2.0"
ansible-role-thales-hsm	"ASL 2.0"



Package name	License
ansible-role-tripleo-modify-image	"ASL 2.0"
ansible-tripleo-ipa	"ASL 2.0"
ansible-tripleo-ipsec	"GPLv3+"
ansible-tripleo-powerflex	"ASL 2.0"
bootswatch-common	"MIT"
bootswatch-fonts	"MIT"
collectd	"MIT and GPLv2"
collectd-amqp1	"MIT and GPLv2"
collectd-amqp	"MIT and GPLv2"
collectd-apache	"MIT and GPLv2"
collectd-bind	"MIT and GPLv2"
collectd-ceph	"MIT and GPLv2"
collectd-chrony	"MIT and GPLv2"
collectd-connectivity	"MIT and GPLv2"
collectd-curl	"MIT and GPLv2"
collectd-curl_json	"MIT and GPLv2"
collectd-curl_xml	"MIT and GPLv2"
collectd-disk	"MIT and GPLv2"
collectd-dns	"MIT and GPLv2"
collectd-hugepages	"MIT and GPLv2"
collectd-ipmi	"MIT and GPLv2"
collectd-libpod-stats	"MIT"
collectd-log_logstash	"MIT and GPLv2"

Package name	License
collectd-mcelog	"MIT and GPLv2"
collectd-mysql	"MIT and GPLv2"
collectd-netlink	"MIT and GPLv2"
collectd-openldap	"MIT and GPLv2"
collectd-ovs-events	"MIT and GPLv2"
collectd-ovs-stats	"MIT and GPLv2"
collectd-pcie-errors	"MIT and GPLv2"
collectd-ping	"MIT and GPLv2"
collectd-pmu	"MIT and GPLv2"
collectd-procevent	"MIT and GPLv2"
collectd-python	"MIT and GPLv2"
collectd-rdt	"MIT and GPLv2"
collectd-sensors	"MIT and GPLv2"
collectd-sensubility	"ASL 2.0"
collectd-smart	"MIT and GPLv2"
collectd-snmp	"MIT and GPLv2"
collectd-snmp-agent	"MIT and GPLv2"
collectd-sysevent	"MIT and GPLv2"
collectd-turbostat	"MIT and GPLv2"
collectd-utils	"MIT and GPLv2"
collectd-virt	"MIT and GPLv2"
collectd-write_http	"MIT and GPLv2"
collectd-write_kafka	"MIT and GPLv2"

Package name	License
collectd-write_prometheus	"MIT and GPLv2"
cpp-hocon	"ASL 2.0"
crudini	"GPLv2"
dibbler-client	"GPLv2"
dibbler-relay	"GPLv2"
dibbler-requestor	"GPLv2"
dibbler-server	"GPLv2"
dib-utils	"ASL 2.0"
diskimage-builder	"ASL 2.0"
dumb-init	"MIT"
elixir	"ASL 2.0"
erlang-asn1	"ASL 2.0"
erlang-compiler	"ASL 2.0"
erlang-crypto	"ASL 2.0"
erlang-eldap	"ASL 2.0"
erlang-erts	"ASL 2.0"
erlang-inets	"ASL 2.0"
erlang-kernel	"ASL 2.0"
erlang-mnesia	"ASL 2.0"
erlang-os_mon	"ASL 2.0"
erlang-parsetools	"ASL 2.0"
erlang-public_key	"ASL 2.0"
erlang-runtime_tools	"ASL 2.0"

Package name	License
erlang-sasl	"ASL 2.0"
erlang-snmp	"ASL 2.0"
erlang-ssl	"ASL 2.0"
erlang-stdlib	"ASL 2.0"
erlang-syntax_tools	"ASL 2.0"
erlang-tools	"ASL 2.0"
erlang-xmerl	"ASL 2.0"
etcd	"ASL 2.0"
factor	"ASL 2.0"
fontawesome-fonts	"OFL"
fontawesome-fonts-web	"OFL and MIT"
gnocchi-api	"ASL 2.0"
gnocchi-common	"ASL 2.0"
gnocchi-metricd	"ASL 2.0"
gnocchi-statsd	"ASL 2.0"
golang-github-davecgh-go-spew-devel	"ISC"
golang-github-go-ini-ini-devel	"ASL 2.0"
golang-github-infrawatch-apputils	"ASL 2.0"
golang-github-pmezard-difflib-devel	"BSD"
golang-github-Sirupsen-logrus-devel	"MIT"
golang-github-streadway-amqp-devel	"BSD"
golang-github-stretchr-objx-devel	"MIT"
golang-github-stretchr-testify-devel	"MIT"

Package name	License
golang-github-urfave-cli-devel	"MIT"
golang-github-vbatts-tar-split	"BSD"
golang-qpide-apache	"BSD and ASL 2.0"
golang-uber-atomic	"MIT"
golang-uber-multierr	"MIT"
golang-x-sys-devel	"BSD"
heat-cfnutils	"ASL 2.0"
hiera	"ASL 2.0"
jevents	"GPLv2 and BSD"
leatherman	"ASL 2.0 and MIT"
libcollecteddclient	"MIT and GPLv2"
liberasurecode	"BSD and CRC32"
liboping	"GPLv2"
libsodium	"ISC"
libunwind	"BSD"
libwebsockets	"LGPLv2 and Public Domain and BSD and MIT and zlib"
luajit	"MIT"
mdi-common	"OFL"
mdi-fonts	"OFL"
ndisc6	"GPLv2 or GPLv3"
novnc	"GPLv3"

Package name	License
octavia-amphora-image-fips-x86_64	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SISSL and Vim and zlib"
octavia-amphora-image-x86_64	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SISSL and Vim and zlib"
openpgm	"LGPLv2"
openstack-ansible-Core	"GPLv3+"
openstack-aodh-api	"ASL 2.0"
openstack-aodh-common	"ASL 2.0"
openstack-aodh-compatible	"ASL 2.0"
openstack-aodh-evaluator	"ASL 2.0"
openstack-aodh-expirer	"ASL 2.0"
openstack-aodh-listener	"ASL 2.0"

Package name	License
openstack-aodh-notifier	"ASL 2.0"
openstack-barbican	"ASL 2.0"
openstack-barbican-api	"ASL 2.0"
openstack-barbican-common	"ASL 2.0"
openstack-barbican-keystone-listener	"ASL 2.0"
openstack-barbican-worker	"ASL 2.0"
openstack-ceilometer-central	"ASL 2.0"
openstack-ceilometer-common	"ASL 2.0"
openstack-ceilometer-compute	"ASL 2.0"
openstack-ceilometer-ipmi	"ASL 2.0"
openstack-ceilometer-notification	"ASL 2.0"
openstack-ceilometer-polling	"ASL 2.0"
openstack-cinder	"ASL 2.0"
openstack-dashboard	"ASL 2.0 and BSD"
openstack-dashboard-theme	"ASL 2.0"
openstack-designate-agent	"ASL 2.0"
openstack-designate-api	"ASL 2.0"
openstack-designate-central	"ASL 2.0"
openstack-designate-common	"ASL 2.0"
openstack-designate-mdns	"ASL 2.0"
openstack-designate-producer	"ASL 2.0"
openstack-designate-sink	"ASL 2.0"
openstack-designate-ui	"ASL 2.0"

Package name	License
openstack-designate-worker	"ASL 2.0"
openstack-glance	"ASL 2.0"
openstack-heat-agents	"ASL 2.0"
openstack-heat-api	"ASL 2.0"
openstack-heat-api-cfn	"ASL 2.0"
openstack-heat-common	"ASL 2.0"
openstack-heat-engine	"ASL 2.0"
openstack-heat-monolith	"ASL 2.0"
openstack-heat-ui	"ASL 2.0"
openstack-ironic-api	"ASL 2.0"
openstack-ironic-common	"ASL 2.0"
openstack-ironic-conductor	"ASL 2.0"
openstack-ironic-inspector	"ASL 2.0"
openstack-ironic-inspector-dnsmasq	"ASL 2.0"
openstack-ironic-python-agent	"ASL 2.0"
openstack-ironic-python-agent-builder	"ASL 2.0"
openstack-ironic-staging-drivers	"ASL 2.0"
openstack-ironic-ui	"ASL 2.0"
openstack-keystone	"ASL 2.0"
openstack-manila	"ASL 2.0"
openstack-manila-share	"ASL 2.0"
openstack-manila-ui	"ASL 2.0"
openstack-network-scripts	"GPLv2"



Package name	License
openstack-network-scripts-openvswitch3.1	"ASL 2.0"
openstack-neutron	"ASL 2.0"
openstack-neutron-bgp-dragent	"ASL 2.0"
openstack-neutron-bigswitch-agent	"ASL 2.0"
openstack-neutron-common	"ASL 2.0"
openstack-neutron-dynamic-routing-common	"ASL 2.0"
openstack-neutron-l2gw-agent	"ASL 2.0"
openstack-neutron-linuxbridge	"ASL 2.0"
openstack-neutron-macvtap-agent	"ASL 2.0"
openstack-neutron-metering-agent	"ASL 2.0"
openstack-neutron-ml2	"ASL 2.0"
openstack-neutron-openvswitch	"ASL 2.0"
openstack-neutron-ovn-metadata-agent	"ASL 2.0"
openstack-neutron-ovn-migration-tool	"ASL 2.0"
openstack-neutron-rpc-server	"ASL 2.0"
openstack-neutron-sriov-nic-agent	"ASL 2.0"
openstack-nova	"ASL 2.0"
openstack-nova-api	"ASL 2.0"
openstack-nova-common	"ASL 2.0"
openstack-nova-compute	"ASL 2.0"
openstack-nova-conductor	"ASL 2.0"
openstack-nova-migration	"ASL 2.0"
openstack-nova-novncproxy	"ASL 2.0"

Package name	License
openstack-nova-scheduler	"ASL 2.0"
openstack-nova-serialproxy	"ASL 2.0"
openstack-nova-spicehtml5proxy	"ASL 2.0"
openstack-octavia-amphora-agent	"ASL 2.0"
openstack-octavia-api	"ASL 2.0"
openstack-octavia-common	"ASL 2.0"
openstack-octavia-diskimage-create	"ASL 2.0"
openstack-octavia-health-manager	"ASL 2.0"
openstack-octavia-housekeeping	"ASL 2.0"
openstack-octavia-ui	"ASL 2.0"
openstack-octavia-worker	"ASL 2.0"
openstack-placement-api	"ASL 2.0"
openstack-placement-common	"ASL 2.0"
openstack-selinux	"GPLv2"
openstack-swift-account	"ASL 2.0"
openstack-swift-container	"ASL 2.0"
openstack-swift-object	"ASL 2.0"
openstack-swift-proxy	"ASL 2.0"
openstack-tempest	"ASL 2.0"
openstack-tempest-all	"ASL 2.0"
openstack-tripleo-common	"ASL 2.0"
openstack-tripleo-common-container-base	"ASL 2.0"
openstack-tripleo-common-containers	"ASL 2.0"

Package name	License
openstack-tripleo-common-devtools	"ASL 2.0"
openstack-tripleo-heat-templates	"ASL 2.0"
openstack-tripleo-image-elements	"ASL 2.0"
openstack-tripleo-puppet-elements	"ASL 2.0"
openstack-tripleo-validations	"ASL 2.0"
os-apply-config	"ASL 2.0"
os-collect-config	"ASL 2.0"
os-net-config	"ASL 2.0"
os-refresh-config	"ASL 2.0"
ovn-bgp-agent	"ASL 2.0"
pmu-data	"GPLv2 and BSD"
pmu-tools	"GPLv2 and BSD"
puppet	"ASL 2.0"
puppet-aodh	"ASL 2.0"
puppet-apache	"ASL 2.0"
puppet-archive	"ASL 2.0"
puppet-auditd	"BSD"
puppet-barbican	"ASL 2.0"
puppet-ceilometer	"ASL 2.0"
puppet-certmonger	"ASL 2.0"
puppet-cinder	"ASL 2.0"
puppet-collectd	"ASL 2.0"
puppet-concat	"ASL 2.0"

Package name	License
puppet-corosync	"ASL 2.0"
puppet-designate	"ASL 2.0"
puppet-dns	"ASL 2.0"
puppet-etcd	"ASL 2.0"
puppet-fdio	"ASL 2.0"
puppet-firewall	"ASL 2.0"
puppet-git	"ASL 2.0"
puppet-glance	"ASL 2.0"
puppet-gnocchi	"ASL 2.0"
puppet-haproxy	"ASL 2.0"
puppet-headless	"ASL 2.0"
puppet-heat	"ASL 2.0"
puppet-horizon	"ASL 2.0"
puppet-inifile	"ASL 2.0"
puppet-ipaclient	"MIT"
puppet-ironic	"ASL 2.0"
puppet-keepalived	"ASL 2.0"
puppet-keystone	"ASL 2.0"
puppet-kmod	"ASL 2.0"
puppet-manila	"ASL 2.0"
puppet-memcached	"ASL 2.0"
puppet-module-data	"ASL 2.0"
puppet-mysql	"ASL 2.0"

Package name	License
puppet-neutron	"ASL 2.0"
puppet-nova	"ASL 2.0"
puppet-nssdb	"ASL 2.0"
puppet-octavia	"ASL 2.0"
puppet-openstack_extras	"ASL 2.0"
puppet-openstacklib	"ASL 2.0"
puppet-oslo	"ASL 2.0"
puppet-ovn	"ASL 2.0"
puppet-pacemaker	"ASL 2.0"
puppet-placement	"ASL 2.0"
puppet-qdr	"ASL 2.0"
puppet-rabbitmq	"ASL 2.0"
puppet-redis	"ASL 2.0"
puppet-remote	"ASL 2.0"
puppet-rsync	"ASL 2.0"
puppet-rsyslog	"ASL 2.0"
puppet-snmp	"ASL 2.0"
puppet-ssh	"ASL 2.0"
puppet-stdlib	"ASL 2.0"
puppet-swift	"ASL 2.0"
puppet-sysctl	"GPL-2.0"
puppet-systemd	"ASL 2.0"
puppet-tripleo	"ASL 2.0"

Package name	License
puppet-vcstore	"GPLv2"
puppet-vswitch	"ASL 2.0"
puppet-xinetd	"ASL 2.0"
python3-adal	"MIT"
python3-amqp	"BSD"
python3-aniso8601	"GPLv3+"
python3-ansible-runner	"ASL 2.0"
python3-anyjson	"BSD"
python3-aodh	"ASL 2.0"
python3-aodhclient	"ASL 2.0"
python3-automaton	"ASL 2.0"
python3-barbican	"ASL 2.0"
python3-barbicanclient	"ASL 2.0"
python3-barbican-tests-tempest	"ASL 2.0"
python3-bcrypt	"ASL 2.0 and Public Domain and BSD"
python3-beautifulsoup4	"MIT"
python3-boto	"MIT"
python3-boto3	"ASL 2.0"
python3-botoCore	"ASL 2.0"
python3-bson	"ASL 2.0 and MIT"
python3-cachetools	"MIT"
python3-castellan	"ASL 2.0"
python3-ceilometer	"ASL 2.0"

Package name	License
python3-ceilometerclient	"ASL 2.0"
python3-ceilometermiddleware	"ASL 2.0"
python3-certifi	"MPLv2.0"
python3-cinder	"ASL 2.0"
python3-cinderclient	"ASL 2.0"
python3-cinder-common	"ASL 2.0"
python3-cinder-tests-tempest	"ASL 2.0"
python3-click	"BSD"
python3-cliff	"ASL 2.0"
python3-cmd2	"MIT"
python3-collectd-rabbitmq-monitoring	"ASL 2.0"
python3-colorama	"BSD"
python3-construct	"MIT"
python3-contextlib2	"Python"
python3-cotyledon	"ASL 2.0"
python3-croniter	"MIT"
python3-cursive	"ASL 2.0"
python3-daemon	"ASL 2.0"
python3-daiquiri	"ASL 2.0"
python3-ddt	"MIT"
python3-debtcollector	"ASL 2.0"
python3-defusedxml	"Python"
python3-designate	"ASL 2.0"

Package name	License
python3-designateclient	"ASL 2.0"
python3-designate-tests-tempest	"ASL 2.0"
python3-dictdiffer	"MIT"
python3-django	"BSD"
python3-django-appconf	"BSD"
python3-django-compressor	"MIT"
python3-django-debreach	"BSD"
python3-django-horizon	"ASL 2.0 and BSD"
python3-django-pyscss	"BSD"
python3-docutils	"Public Domain and BSD and Python and GPLv3+"
python3-dogpile-cache	"MIT"
python3-dracclient	"ASL 2.0"
python3-edgegrid	"ASL 2.0"
python3-etcd3gw	"ASL 2.0"
python3-eventlet	"MIT and ISC"
python3-extras	"MIT"
python3-fasteners	"ASL 2.0"
python3-fixtures	"ASL 2.0 or BSD"
python3-flake8	"MIT"
python3-flask	"BSD"
python3-flask-restful	"BSD"
python3-future	"MIT"
python3-futurist	"ASL 2.0"



Package name	License
python3-gabbi	"ASL 2.0"
python3-gevent	"MIT"
python3-gitdb	"BSD"
python3-GitPython	"BSD"
python3-glance	"ASL 2.0"
python3-glanceclient	"ASL 2.0"
python3-glance-store	"ASL 2.0"
python3-glance-tests-tempest	"ASL 2.0"
python3-gnocchi	"ASL 2.0"
python3-gnocchiclient	"ASL 2.0"
python3-google-auth	"ASL 2.0"
python3-gunicorn	"MIT"
python3-h11	"MIT"
python3-h2	"MIT"
python3-hardware	"ASL 2.0"
python3-hardware-detect	"ASL 2.0"
python3-heat-agent	"ASL 2.0"
python3-heat-agent-ansible	"ASL 2.0"
python3-heat-agent-apply-config	"ASL 2.0"
python3-heat-agent-docker-cmd	"ASL 2.0"
python3-heat-agent-hiera	"ASL 2.0"
python3-heat-agent-json-file	"ASL 2.0"
python3-heat-agent-puppet	"ASL 2.0"

Package name	License
python3-heatclient	"ASL 2.0"
python3-heat-tests-tempest	"ASL 2.0"
python3-hpack	"MIT"
python3-httpCore	"BSD"
python3-httplib2	"MIT"
python3-httpx	"BSD"
python3-hyperframe	"MIT"
python3-ifaddr	"MIT"
python3-lmcSdk	"ASL 2.0"
python3-importlib-metadata	"ASL 2.0"
python3-ironicclient	"ASL 2.0"
python3-ironic-inspector-client	"ASL 2.0"
python3-ironic-lib	"ASL 2.0"
python3-ironic-neutron-agent	"ASL 2.0"
python3-ironic-python-agent	"ASL 2.0"
python3-ironic-tests-tempest	"ASL 2.0"
python3-iso8601	"MIT"
python3-itsdangerous	"BSD"
python3-jeepney	"MIT"
python3-jmespath	"MIT"
python3-json-logger	"BSD"
python3-jsonpath-rw	"ASL 2.0"
python3-jsonpath-rw-ext	"ASL 2.0"

Package name	License
python3-junitxml	"LGPLv3"
python3-jwt	"MIT"
python3-kazoo	"ASL 2.0"
python3-kerberos	"ASL 2.0"
python3-keyring	"MIT and Python"
python3-keystone	"ASL 2.0"
python3-keystoneauth1	"ASL 2.0"
python3-keystoneclient	"ASL 2.0"
python3-keystonemiddleware	"ASL 2.0"
python3-keystone-tests-tempest	"ASL 2.0"
python3-kombu	"BSD and Python"
python3-kubernetes	"ASL 2.0"
python3-ldap3	"LGPLv2+"
python3-ldapool	"MPLv1.1 and GPLv2+ and LGPLv2+"
python3-lesscpy	"MIT"
python3-lockfile	"MIT"
python3-logutils	"BSD"
python3-lz4	"BSD"
python3-magnumclient	"ASL 2.0"
python3-manila	"ASL 2.0"
python3-manilaclient	"ASL 2.0"
python3-manila-tests-tempest	"ASL 2.0"
python3-mccabe	"MIT"

Package name	License
python3-memcached	"Python"
python3-metalsmith	"ASL 2.0"
python3-microversion-parse	"ASL 2.0"
python3-migrate	"MIT"
python3-mimeparse	"MIT"
python3-mistralclient	"ASL 2.0"
python3-mock	"BSD"
python3-monascaclient	"ASL 2.0"
python3-monotonic	"ASL 2.0"
python3-more-itertools	"MIT"
python3-msgpack	"ASL 2.0"
python3-munch	"MIT"
python3-natsort	"MIT"
python3-ndg_httpsclient	"BSD"
python3-networking-ansible	"ASL 2.0"
python3-networking-baremetal	"ASL 2.0"
python3-networking-bgpvpn	"ASL 2.0"
python3-networking-bgpvpn-dashboard	"ASL 2.0"
python3-networking-bgpvpn-heat	"ASL 2.0"
python3-networking-bigswitch	"ASL 2.0"
python3-networking-l2gw	"ASL 2.0"
python3-networking-l2gw-tests-tempest	"ASL 2.0"
python3-network-runner	"ASL 2.0"

Package name	License
python3-neutron	"ASL 2.0"
python3-neutronclient	"ASL 2.0"
python3-neutron-dynamic-routing	"ASL 2.0"
python3-neutron-lib	"ASL 2.0"
python3-neutron-lib-tests	"ASL 2.0"
python3-neutron-tests-tempest	"ASL 2.0"
python3-nova	"ASL 2.0"
python3-novaclient	"ASL 2.0"
python3-novajoin	"ASL 2.0"
python3-novajoin-tests-tempest	"ASL 2.0"
python3-octavia	"ASL 2.0"
python3-octaviaclient	"ASL 2.0"
python3-octavia-lib	"ASL 2.0"
python3-octavia-tests-tempest	"ASL 2.0"
python3-octavia-tests-tempest-golang	"ASL 2.0"
python3-openshift	"MIT"
python3-openstackclient	"ASL 2.0"
python3-openstacksdk	"ASL 2.0"
python3-os-brick	"ASL 2.0"
python3-osc-lib	"ASL 2.0"
python3-os-client-config	"ASL 2.0"
python3-osc-placement	"ASL 2.0"
python3-os-ken	"ASL 2.0"

Package name	License
python3-oslo-cache	"ASL 2.0"
python3-oslo-concurrency	"ASL 2.0"
python3-oslo-config	"ASL 2.0"
python3-oslo-context	"ASL 2.0"
python3-oslo-db	"ASL 2.0"
python3-oslo-i18n	"ASL 2.0"
python3-oslo-log	"ASL 2.0"
python3-oslo-messaging	"ASL 2.0"
python3-oslo-middleware	"ASL 2.0"
python3-oslo-policy	"ASL 2.0"
python3-oslo-privsep	"ASL 2.0"
python3-oslo-reports	"ASL 2.0"
python3-oslo-rootwrap	"ASL 2.0"
python3-oslo-serialization	"ASL 2.0"
python3-oslo-service	"ASL 2.0"
python3-oslotest	"ASL 2.0"
python3-oslo-upgradecheck	"ASL 2.0"
python3-oslo-utils	"ASL 2.0"
python3-oslo-versionedobjects	"ASL 2.0"
python3-oslo-vmware	"ASL 2.0"
python3-osprofiler	"ASL 2.0"
python3-os-resource-classes	"ASL 2.0"
python3-os-service-types	"ASL 2.0"

Package name	License
python3-os-testr	"ASL 2.0"
python3-os-traits	"ASL 2.0"
python3-os-vif	"ASL 2.0"
python3-os-win	"ASL 2.0"
python3-os-xenapi	"ASL 2.0"
python3-ovirt-engine-sdk4	"ASL 2.0"
python3-ovn-octavia-provider	"ASL 2.0"
python3-ovsdbapp	"ASL 2.0"
python3-paramiko	"LGPLv2+"
python3-passlib	"BSD and Beerware and Copyright only"
python3-paste	"MIT and ZPLv2.0 and Python and (AFL or MIT) and (MIT or ASL 2.0)"
python3-paste-deploy	"MIT"
python3-patrole-tests-tempest	"ASL 2.0"
python3-pbr	"ASL 2.0"
python3-pecan	"BSD"
python3-pint	"BSD"
python3-placement	"ASL 2.0"
python3-posix_ipc	"BSD"
python3-proliantutils	"ASL 2.0"
python3-pycadf	"ASL 2.0"
python3-pycodestyle	"MIT"
python3-pydot	"MIT"

Package name	License
python3-pyeclib	"BSD"
python3-pyflakes	"MIT"
python3-pymemcache	"ASL 2.0"
python3-pymongo	"ASL 2.0 and MIT"
python3-pynacl	"ASL 2.0"
python3-pyngus	"ASL 2.0"
python3-pyOpenSSL	"ASL 2.0"
python3-pyperclip	"BSD"
python3-pyrabbit2	"MIT"
python3-pyroute2	"GPLv2+"
python3-pysaml2	"ASL 2.0"
python3-pysendfile	"MIT"
python3-pysnmp	"BSD"
python3-pystache	"MIT"
python3-pytimeparse	"MIT"
python3-pyxattr	"LGPLv2+"
python3-qpuid-proton	"ASL 2.0"
python3-rcssmin	"ASL 2.0"
python3-redis	"MIT"
python3-repoze-lru	"BSD"
python3-requestsexceptions	"ASL 2.0"
python3-requests-kerberos	"MIT"
python3-retrying	"ASL 2.0"



Package name	License
python3-rfc3986	"ASL 2.0"
python3-rfc3986+idna2008	"ASL 2.0"
python3-rhosp-openvswitch	"Public Domain"
python3-rjsmin	"ASL 2.0"
python3-routes	"BSD"
python3-rsa	"ASL 2.0"
python3-rsdclient	"ASL 2.0"
python3-rsd-lib	"ASL 2.0"
python3-ruamel-yaml	"MIT"
python3-ruamel-yaml-club	"MIT"
python3-s3transfer	"ASL 2.0"
python3-saharacient	"ASL 2.0"
python3-scciclient	"ASL 2.0"
python3-scrypt	"BSD"
python3-scss	"MIT"
python3-secretstorage	"BSD"
python3-semantic_version	"BSD"
python3-setproctitle	"BSD"
python3-shade	"ASL 2.0"
python3-simplegeneric	"Python or ZPLv2.1"
python3-simplejson	"(MIT or AFL) and (MIT or GPLv2)"
python3-smi	"BSD"
python3-smmmap	"BSD"

Package name	License
python3-sniffio	"MIT or ASL 2.0"
python3-soupsieve	"MIT"
python3-sqlalchemy13	"MIT"
python3-sqlalchemy-collectd	"MIT"
python3-sqlalchemy-utils	"BSD"
python3-sqlparse	"BSD"
python3-statsd	"MIT"
python3-stestr	"ASL 2.0"
python3-stevedore	"ASL 2.0"
python3-string_utils	"MIT"
python3-subunit	"ASL 2.0 or BSD"
python3-suds	"LGPLv3+"
python3-sushy	"ASL 2.0"
python3-sushy-oem-idrac	"ASL 2.0"
python3-swift	"ASL 2.0"
python3-swiftclient	"ASL 2.0"
python3-sysv_ipc	"GPLv3+"
python3-tabulate	"MIT"
python3-taskflow	"ASL 2.0"
python3-telemetry-tests-tempest	"ASL 2.0"
python3-tempest	"ASL 2.0"
python3-tempestconf	"ASL 2.0"
python3-tempest-tests	"ASL 2.0"

Package name	License
python3-tempita	"MIT"
python3-tenacity	"ASL 2.0"
python3-testscenarios	"ASL 2.0 and BSD"
python3-testtools	"MIT"
python3-tinyrpc	"MIT"
python3-tooz	"ASL 2.0"
python3-tripleclient	"ASL 2.0"
python3-tripleo-common	"ASL 2.0"
python3-trollius	"ASL 2.0"
python3-troveclient	"ASL 2.0"
python3-ujson	"BSD"
python3-validations-lib	"ASL 2.0"
python3-versiontools	"LGPLv3"
python3-vine	"BSD"
python3-voluptuous	"BSD"
python3-waitress	"ZPLv2.1"
python3-warlock	"ASL 2.0"
python3-webob	"MIT"
python3-websocket-client	"BSD"
python3-websockify	"LGPLv3"
python3-webtest	"MIT"
python3-werkzeug	"BSD"
python3-wrapt	"BSD"

Package name	License
python3-wsgi_intercept	"MIT"
python3-wsme	"MIT"
python3-XStatic	"MIT"
python3-XStatic-Angular	"MIT"
python3-XStatic-Angular-Bootstrap	"MIT"
python3-XStatic-Angular-FileUpload	"MIT"
python3-XStatic-Angular-Gettext	"MIT"
python3-XStatic-Angular-Irdragndrop	"MIT"
python3-XStatic-Angular-Schema-Form	"MIT"
python3-XStatic-Angular-UUID	"MIT"
python3-XStatic-Angular-Vis	"MIT"
python3-XStatic-Bootstrap-Datepicker	"ASL 2.0"
python3-XStatic-Bootstrap-SCSS	"MIT"
python3-XStatic-bootstrap	"MIT"
python3-XStatic-D3	"BSD"
python3-XStatic-FileSaver	"MIT"
python3-XStatic-Font-Awesome	"OFL and MIT"
python3-XStatic-Hogan	"ASL 2.0"
python3-XStatic-Jasmine	"MIT"
python3-XStatic-jQuery	"MIT"
python3-XStatic-JQuery-Migrate	"MIT"
python3-XStatic-JQuery-quicksearch	"MIT"
python3-XStatic-JQuery-TableSorter	"MIT"

Package name	License
python3-XStatic-jquery-ui	"CC0"
python3-XStatic-JSEncrypt	"MIT"
python3-XStatic-Json2yaml	"MIT"
python3-XStatic-JS-Yaml	"MIT"
python3-XStatic-Magic-Search	"ASL 2.0"
python3-XStatic-mdi	"OFL"
python3-XStatic-objectpath	"MIT"
python3-XStatic-Rickshaw	"MIT"
python3-XStatic-roboto-fontface	"ASL 2.0"
python3-XStatic-smart-table	"MIT"
python3-XStatic-Spin	"MIT"
python3-XStatic-termjs	"MIT"
python3-XStatic-tv4	"Public Domain"
python3-yappi	"MIT"
python3-yaql	"ASL 2.0"
python3-zake	"ASL 2.0"
python3-zaqarclient	"ASL 2.0"
python3-zeroconf	"LGPLv2"
python3-zipp	"MIT"
python3-zmq	"LGPLv3+"
python3-zope-event	"ZPLv2.1"
python3-zope-interface	"ZPLv2.1"
python3-zstd	"BSD"

Package name	License
python-openstackclient-lang	"ASL 2.0"
python-oslo-cache-lang	"ASL 2.0"
python-oslo-concurrency-lang	"ASL 2.0"
python-oslo-db-lang	"ASL 2.0"
python-oslo-i18n-lang	"ASL 2.0"
python-oslo-log-lang	"ASL 2.0"
python-oslo-middleware-lang	"ASL 2.0"
python-oslo-policy-lang	"ASL 2.0"
python-oslo-privsep-lang	"ASL 2.0"
python-oslo-utils-lang	"ASL 2.0"
python-oslo-versionedobjects-lang	"ASL 2.0"
python-oslo-vmware-lang	"ASL 2.0"
python-pycadf-common	"ASL 2.0"
qpid-dispatch-router	"ASL 2.0"
qpid-dispatch-tools	"ASL 2.0"
qpid-proton-c	"ASL 2.0"
qpid-proton-c-devel	"ASL 2.0"
rabbitmq-server	"MPLv1.1"

Package name	License
rhosp-director-images	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SISSL and Vim and zlib"
rhosp-director-images-all	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SISSL and Vim and zlib"
rhosp-director-images-base	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SISSL and Vim and zlib"

Package name	License
rhosp-director-images-fips-x86_64	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SISSL and Vim and zlib"
rhosp-director-images-ipa-fips-x86_64	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SISSL and Vim and zlib"
rhosp-director-images-ipa-x86_64	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SISSL and Vim and zlib"



Package name	License
rhosp-director-images-metadata	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SSISSL and Vim and zlib"
rhosp-director-images-minimal	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SSISSL and Vim and zlib"
rhosp-director-images-minimal-fips	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SSISSL and Vim and zlib"

Package name	License
rhosp-director-images-multirhel-x86_64	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SSISSL and Vim and zlib"
rhosp-director-images-uefi-fips-x86_64	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SSISSL and Vim and zlib"
rhosp-director-images-uefi-x86_64	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SSISSL and Vim and zlib"

Package name	License
rhosp-director-images-x86_64	"AFL and BSD and (BSD or GPLv2+) and BSD with advertising and Boost and GFDL and GPL and GPL+ and (GPL+ or Artistic) and GPLv1+ and GPLv2 and (GPLv2 or BSD) and (GPLv2 or GPLv3) and GPLv2 with exceptions and GPLv2+ and (GPLv2+ or AFL) and GPLv2+ with exceptions and GPLv3 and GPLv3+ and GPLv3+ with exceptions and IJG and ISC and LGPLv2 and LGPLv2+ and (LGPLv2+ or BSD) and (LGPLv2+ or MIT) and LGPLv2+ with exceptions and LGPLv2/GPLv2 and LGPLv3 and LGPLv3+ and MIT and (MIT or LGPLv2+ or BSD) and (MPLv1.1 or GPLv2+ or LGPLv2+) and Open Publication and OpenLDAP and OpenSSL and Public Domain and Python and (Python or ZPLv2.0) and Rdisc and Redistributable. No modification permitted and SISSL and Vim and zlib"
rhosp-network-scripts-openvswitch	"Public Domain"
rhosp-openvswitch	"Public Domain"
rhosp-ovn	"Public Domain"
rhosp-ovn-central	"Public Domain"
rhosp-ovn-host	"Public Domain"
rhosp-ovn-vtep	"Public Domain"
rhosp-release	"GPLv2"
roboto-fontface-common	"ASL 2.0"
roboto-fontface-fonts	"ASL 2.0"
ruby-augeas	"LGPLv2+"
ruby-facter	"ASL 2.0"
rubygem-concurrent-ruby	"MIT"
rubygem-deep_merge	"MIT"
rubygem-diff-lcs	"(GPLv2+ or Artistic or MIT) and (GPLv2+ or Artistic or Ruby or BSD) and (Artistic or Ruby or BSD)"

Package name	License
rubygem-fast_gettext	"MIT and (BSD or Ruby) and (LGPLv2+ or BSD or Ruby)"
rubygem-hocon	"ASL 2.0"
rubygem-multi_json	"MIT"
rubygem-puppet-resource_api	"ASL 2.0"
rubygem-ruby-shadow	"Public Domain"
rubygem-semantic_puppet	"ASL 2.0"
rubygem-set	"BSD-2-Clause"
subunit-filters	"ASL 2.0 or BSD"
sysbench	"GPLv2+"
tripleo-ansible	"ASL 2.0"
tripleo-operator-ansible	"ASL 2.0"
validations-common	"ASL 2.0"
xstatic-angular-bootstrap-common	"MIT"
XStatic-Angular-common	"MIT"
xstatic-angular-fileupload-common	"MIT"
xstatic-angular-gettext-common	"MIT"
xstatic-angular-lrdragndrop-common	"MIT"
xstatic-angular-schema-form-common	"MIT"
xstatic-angular-uuid-common	"MIT"
xstatic-angular-vis-common	"MIT"
xstatic-bootstrap-datepicker-common	"ASL 2.0"
xstatic-bootstrap-scss-common	"MIT"

Package name	License
xstatic-d3-common	"BSD"
xstatic-filesaver-common	"MIT"
xstatic-hogan-common	"ASL 2.0"
xstatic-jasmine-common	"MIT"
xstatic-jquery-migrate-common	"MIT"
xstatic-jquery-quicksearch-common	"MIT"
xstatic-jquery-tablesorter-common	"MIT"
xstatic-jquery-ui-common	"CC0"
xstatic-jscrypt-common	"MIT"
xstatic-json2yaml-common	"MIT"
xstatic-js-yaml-common	"MIT"
XStatic-Magic-Search-common	"ASL 2.0"
xstatic-objectpath-common	"MIT"
xstatic-rickshaw-common	"MIT"
xstatic-smart-table-common	"MIT"
xstatic-spin-common	"MIT"
xstatic-termjs-common	"MIT"
xstatic-tv4-common	"Public Domain"
yaml-cpp	"MIT"
zeromq	"LGPLv3+"
ansible-collection-ansible-netcommon	"GPLv3+ and BSD and Python"
ansible-collection-ansible-posix	"GPLv3+ and Python"
ansible-collection-ansible-utils	"GPLv3+"

Package name	License
ansible-collection-community-general	"GPLv3+ and BSD and Python"
ansible-collection-containers-podman	"GPLv3+"
ansible-collections-openstack	"GPLv3+"
ansible-config_template	"ASL 2.0"
ansible-freeipa	"GPLv3+"
ansible-pacemaker	"ASL 2.0"
ansible-role-atos-hsm	"ASL 2.0"
ansible-role-chrony	"ASL 2.0"
ansible-role-collectd-config	"ASL 2.0"
ansible-role-container-registry	"ASL 2.0"
ansible-role-lunasa-hsm	"ASL 2.0"
ansible-role-metalsmith-deployment	"ASL 2.0"
ansible-role-openstack-operations	"ASL 2.0"
ansible-role-qdr-config	"ASL 2.0"
ansible-role-redhat-subscription	"ASL 2.0"
ansible-role-thales-hsm	"ASL 2.0"
ansible-role-tripleo-modify-image	"ASL 2.0"
ansible-tripleo-ipa	"ASL 2.0"
ansible-tripleo-ipsec	"GPLv3+"
collectd	"MIT and GPLv2"
collectd-amqp1	"MIT and GPLv2"
collectd-apache	"MIT and GPLv2"
collectd-bind	"MIT and GPLv2"

Package name	License
collectd-ceph	"MIT and GPLv2"
collectd-chrony	"MIT and GPLv2"
collectd-connectivity	"MIT and GPLv2"
collectd-curl	"MIT and GPLv2"
collectd-curl_json	"MIT and GPLv2"
collectd-curl_xml	"MIT and GPLv2"
collectd-disk	"MIT and GPLv2"
collectd-dns	"MIT and GPLv2"
collectd-generic-jmx	"MIT and GPLv2"
collectd-hugepages	"MIT and GPLv2"
collectd-ipmi	"MIT and GPLv2"
collectd-iptables	"MIT and GPLv2"
collectd-libpod-stats	"MIT"
collectd-log_logstash	"MIT and GPLv2"
collectd-mcelog	"MIT and GPLv2"
collectd-mysql	"MIT and GPLv2"
collectd-netlink	"MIT and GPLv2"
collectd-openldap	"MIT and GPLv2"
collectd-ovs-events	"MIT and GPLv2"
collectd-ovs-stats	"MIT and GPLv2"
collectd-pcie-errors	"MIT and GPLv2"
collectd-ping	"MIT and GPLv2"
collectd-pmu	"MIT and GPLv2"

Package name	License
collectd-procevent	"MIT and GPLv2"
collectd-python	"MIT and GPLv2"
collectd-rdt	"MIT and GPLv2"
collectd-sensors	"MIT and GPLv2"
collectd-sensubility	"ASL 2.0"
collectd-smart	"MIT and GPLv2"
collectd-snmp	"MIT and GPLv2"
collectd-snmp-agent	"MIT and GPLv2"
collectd-sysevent	"MIT and GPLv2"
collectd-turbostat	"MIT and GPLv2"
collectd-utils	"MIT and GPLv2"
collectd-virt	"MIT and GPLv2"
collectd-write_http	"MIT and GPLv2"
collectd-write_kafka	"MIT and GPLv2"
collectd-write_prometheus	"MIT and GPLv2"
cpp-hocon	"ASL 2.0"
crudini	"GPLv2"
dib-utils	"ASL 2.0"
diskimage-builder	"ASL 2.0"
double-conversion	"BSD"
dumb-init	"MIT"
factor	"ASL 2.0"
golang-github-davecgh-go-spew-devel	"ISC"



Package name	License
golang-github-go-ini-ini-devel	"ASL 2.0"
golang-github-infrawatch-apputils	"ASL 2.0"
golang-github-pmezard-difflib-devel	"BSD"
golang-github-Sirupsen-logrus-devel	"MIT"
golang-github-streadway-amqp-devel	"BSD"
golang-github-stretchr-objx-devel	"MIT"
golang-github-stretchr-testify-devel	"MIT"
golang-github-urfave-cli-devel	"MIT"
golang-github-vbatts-tar-split	"BSD"
golang-qpide-apache	"BSD and ASL 2.0"
golang-uber-atomic	"MIT"
golang-uber-multierr	"MIT"
golang-x-sys-devel	"BSD"
heat-cfnutils	"ASL 2.0"
hier	"ASL 2.0"
leapp-repository-openstack	"ASL 2.0"
leatherman	"ASL 2.0 and MIT"
libcollectdclient	"MIT and GPLv2"
liboping	"GPLv2"
libqhull	"Qhull"
libsodium	"ISC"
libzstd	"BSD and GPLv2"
openstack-heat-agents	"ASL 2.0"

Package name	License
openstack-heat-api	"ASL 2.0"
openstack-heat-common	"ASL 2.0"
openstack-heat-engine	"ASL 2.0"
openstack-heat-monolith	"ASL 2.0"
openstack-ironic-python-agent-builder	"ASL 2.0"
openstack-nova-common	"ASL 2.0"
openstack-nova-compute	"ASL 2.0"
openstack-nova-migration	"ASL 2.0"
openstack-selinux	"GPLv2"
openstack-tempest	"ASL 2.0"
openstack-tripleo-common	"ASL 2.0"
openstack-tripleo-common-container-base	"ASL 2.0"
openstack-tripleo-common-containers	"ASL 2.0"
openstack-tripleo-heat-templates	"ASL 2.0"
openstack-tripleo-image-elements	"ASL 2.0"
openstack-tripleo-puppet-elements	"ASL 2.0"
openstack-tripleo-validations	"ASL 2.0"
os-apply-config	"ASL 2.0"
os-collect-config	"ASL 2.0"
os-net-config	"ASL 2.0"
os-refresh-config	"ASL 2.0"
plotnetcfg	"GPLv2+"
pmu-data	"GPLv2 and BSD"

Package name	License
puppet	"ASL 2.0"
puppet-aodh	"ASL 2.0"
puppet-apache	"ASL 2.0"
puppet-archive	"ASL 2.0"
puppet-auditd	"BSD"
puppet-barbican	"ASL 2.0"
puppet-ceilometer	"ASL 2.0"
puppet-certmonger	"ASL 2.0"
puppet-cinder	"ASL 2.0"
puppet-collectd	"ASL 2.0"
puppet-concat	"ASL 2.0"
puppet-corosync	"ASL 2.0"
puppet-designate	"ASL 2.0"
puppet-dns	"ASL 2.0"
puppet-etcd	"ASL 2.0"
puppet-fdio	"ASL 2.0"
puppet-firewall	"ASL 2.0"
puppet-git	"ASL 2.0"
puppet-glance	"ASL 2.0"
puppet-gnocchi	"ASL 2.0"
puppet-haproxy	"ASL 2.0"
puppet-headless	"ASL 2.0"
puppet-heat	"ASL 2.0"

Package name	License
puppet-horizon	"ASL 2.0"
puppet-inifile	"ASL 2.0"
puppet-ipaclient	"MIT"
puppet-ironic	"ASL 2.0"
puppet-keepalived	"ASL 2.0"
puppet-keystone	"ASL 2.0"
puppet-kmod	"ASL 2.0"
puppet-manila	"ASL 2.0"
puppet-memcached	"ASL 2.0"
puppet-module-data	"ASL 2.0"
puppet-mysql	"ASL 2.0"
puppet-neutron	"ASL 2.0"
puppet-nova	"ASL 2.0"
puppet-nssdb	"ASL 2.0"
puppet-octavia	"ASL 2.0"
puppet-openstack_extras	"ASL 2.0"
puppet-openstacklib	"ASL 2.0"
puppet-oslo	"ASL 2.0"
puppet-ovn	"ASL 2.0"
puppet-pacemaker	"ASL 2.0"
puppet-placement	"ASL 2.0"
puppet-qdr	"ASL 2.0"
puppet-rabbitmq	"ASL 2.0"

Package name	License
puppet-redis	"ASL 2.0"
puppet-remote	"ASL 2.0"
puppet-rsync	"ASL 2.0"
puppet-rsyslog	"ASL 2.0"
puppet-snmp	"ASL 2.0"
puppet-ssh	"ASL 2.0"
puppet-stdlib	"ASL 2.0"
puppet-swift	"ASL 2.0"
puppet-sysctl	"GPL-2.0"
puppet-systemd	"ASL 2.0"
puppet-tripleo	"ASL 2.0"
puppet-vcsrepo	"GPLv2"
puppet-vswitch	"ASL 2.0"
puppet-xinetd	"ASL 2.0"
python3-alembic	"MIT"
python3-amqp	"BSD"
python3-ansible-runner	"ASL 2.0"
python3-anyjson	"BSD"
python3-aodhclient	"ASL 2.0"
python3-appdirs	"MIT"
python3-automaton	"ASL 2.0"
python3-barbicanclient	"ASL 2.0"
python3-bcrypt	"ASL 2.0 and Public Domain and BSD"

Package name	License
python3-beautifulsoup4	"MIT"
python3-boto	"MIT"
python3-cachetools	"MIT"
python3-castellan	"ASL 2.0"
python3-ccfi	"MIT"
python3-cinderclient	"ASL 2.0"
python3-cliff	"ASL 2.0"
python3-cmd2	"MIT"
python3-collectd-rabbitmq-monitoring	"ASL 2.0"
python3-colorama	"BSD"
python3-contextlib2	"Python"
python3-croniter	"MIT"
python3-cursive	"ASL 2.0"
python3-cycler	"BSD"
python3-daemon	"ASL 2.0"
python3-dataclasses	"ASL 2.0"
python3-dateutil	"BSD"
python3-ddt	"MIT"
python3-debtcollector	"ASL 2.0"
python3-decorator	"BSD"
python3-defusedxml	"Python"
python3-designateclient	"ASL 2.0"
python3-dogpile-cache	"MIT"

Package name	License
python3-editor	"ASL 2.0"
python3-entrypoints	"MIT"
python3-etcd3gw	"ASL 2.0"
python3-eventlet	"MIT and ISC"
python3-extras	"MIT"
python3-fasteners	"ASL 2.0"
python3-fixtures	"ASL 2.0 or BSD"
python3-flake8	"MIT"
python3-future	"MIT"
python3-futurist	"ASL 2.0"
python3-gitdb	"BSD"
python3-GitPython	"BSD"
python3-glanceclient	"ASL 2.0"
python3-gnocchiclient	"ASL 2.0"
python3-greenlet	"MIT"
python3-heat-agent	"ASL 2.0"
python3-heat-agent-ansible	"ASL 2.0"
python3-heat-agent-apply-config	"ASL 2.0"
python3-heat-agent-docker-cmd	"ASL 2.0"
python3-heat-agent-hiera	"ASL 2.0"
python3-heat-agent-json-file	"ASL 2.0"
python3-heat-agent-puppet	"ASL 2.0"
python3-heatclient	"ASL 2.0"

Package name	License
python3-importlib-metadata	"ASL 2.0"
python3-ironicclient	"ASL 2.0"
python3-ironic-inspector-client	"ASL 2.0"
python3-iso8601	"MIT"
python3-jeepney	"MIT"
python3-jsonschema	"MIT"
python3-junitxml	"LGPLv3"
python3-kazoo	"ASL 2.0"
python3-keyring	"MIT and Python"
python3-keystoneauth1	"ASL 2.0"
python3-keystoneclient	"ASL 2.0"
python3-keystonemiddleware	"ASL 2.0"
python3-kiwisolver	"BSD"
python3-kombu	"BSD and Python"
python3-linecache2	"Python"
python3-lockfile	"MIT"
python3-logutils	"BSD"
python3-magnumclient	"ASL 2.0"
python3-manilaclient	"ASL 2.0"
python3-markupsafe	"BSD"
python3-matplotlib	"Python and MIT"
python3-matplotlib-data	"Python and MIT"
python3-matplotlib-data-fonts	"OFL and Bitstream Vera and Public Domain"



Package name	License
python3-matplotlib-tk	"Python and MIT"
python3-mccabe	"MIT"
python3-memcached	"Python"
python3-metalsmith	"ASL 2.0"
python3-microversion-parse	"ASL 2.0"
python3-migrate	"MIT"
python3-mistralclient	"ASL 2.0"
python3-monotonic	"ASL 2.0"
python3-msgpack	"ASL 2.0"
python3-munch	"MIT"
python3-natsort	"MIT"
python3-netifaces	"MIT"
python3-networkx	"BSD"
python3-neutronclient	"ASL 2.0"
python3-neutron-lib	"ASL 2.0"
python3-neutron-tests-tempest	"ASL 2.0"
python3-nova	"ASL 2.0"
python3-novaclient	"ASL 2.0"
python3-numpy	"BSD"
python3-numpy-f2py	"BSD and Python and ASL 2.0"
python3-octaviaclient	"ASL 2.0"
python3-openstackclient	"ASL 2.0"
python3-openstacksdk	"ASL 2.0"

Package name	License
python3-os-brick	"ASL 2.0"
python3-osc-lib	"ASL 2.0"
python3-os-client-config	"ASL 2.0"
python3-osc-placement	"ASL 2.0"
python3-os-ken	"ASL 2.0"
python3-oslo-cache	"ASL 2.0"
python3-oslo-concurrency	"ASL 2.0"
python3-oslo-config	"ASL 2.0"
python3-oslo-context	"ASL 2.0"
python3-oslo-db	"ASL 2.0"
python3-oslo-i18n	"ASL 2.0"
python3-oslo-log	"ASL 2.0"
python3-oslo-messaging	"ASL 2.0"
python3-oslo-middleware	"ASL 2.0"
python3-oslo-policy	"ASL 2.0"
python3-oslo-privsep	"ASL 2.0"
python3-oslo-reports	"ASL 2.0"
python3-oslo-rootwrap	"ASL 2.0"
python3-oslo-serialization	"ASL 2.0"
python3-oslo-service	"ASL 2.0"
python3-oslo-upgradecheck	"ASL 2.0"
python3-oslo-utils	"ASL 2.0"
python3-oslo-versionedobjects	"ASL 2.0"

Package name	License
python3-oslo-vmware	"ASL 2.0"
python3-osprofiler	"ASL 2.0"
python3-os-resource-classes	"ASL 2.0"
python3-os-service-types	"ASL 2.0"
python3-os-testr	"ASL 2.0"
python3-os-traits	"ASL 2.0"
python3-os-vif	"ASL 2.0"
python3-os-win	"ASL 2.0"
python3-ovsdbapp	"ASL 2.0"
python3-packaging	"BSD or ASL 2.0"
python3-paramiko	"LGPLv2+"
python3-passlib	"BSD and Beerware and Copyright only"
python3-paste	"MIT and ZPLv2.0 and Python and (AFL or MIT) and (MIT or ASL 2.0)"
python3-paste-deploy	"MIT"
python3-pbr	"ASL 2.0"
python3-pecan	"BSD"
python3-pexpect	"ISC"
python3-psutil	"BSD"
python3-pyasn1	"BSD"
python3-pyasn1-modules	"BSD"
python3-pycadf	"ASL 2.0"
python3-pycodestyle	"MIT"

Package name	License
python3-pydot	"MIT"
python3-pyflakes	"MIT"
python3-pygraphviz	"BSD"
python3-pymemcache	"ASL 2.0"
python3-pynacl	"ASL 2.0"
python3-pyparsing	"MIT"
python3-pyperclip	"BSD"
python3-pyrabbit2	"MIT"
python3-pyroute2	"GPLv2+"
python3-pyrsistent	"MIT"
python3-pystache	"MIT"
python3-pyyaml	"MIT"
python3-redis	"MIT"
python3-repoze-lru	"BSD"
python3-requests	"ASL 2.0"
python3-requestsexceptions	"ASL 2.0"
python3-retrying	"ASL 2.0"
python3-rfc3986	"ASL 2.0"
python3-rhosp-openvswitch	"Public Domain"
python3-routes	"BSD"
python3-rsa	"ASL 2.0"
python3-saharaclient	"ASL 2.0"
python3-secretstorage	"BSD"

Package name	License
python3-setproctitle	"BSD"
python3-shade	"ASL 2.0"
python3-simplegeneric	"Python or ZPLv2.1"
python3-simplejson	"(MIT or AFL) and (MIT or GPLv2)"
python3-six	"MIT"
python3-smmmap	"BSD"
python3-soupsieve	"MIT"
python3-sqlalchemy-collectd	"MIT"
python3-sqlparse	"BSD"
python3-statsd	"MIT"
python3-stestr	"ASL 2.0"
python3-stevedore	"ASL 2.0"
python3-subunit	"ASL 2.0 or BSD"
python3-swiftclient	"ASL 2.0"
python3-taskflow	"ASL 2.0"
python3-tempest	"ASL 2.0"
python3-tempestconf	"ASL 2.0"
python3-tempita	"MIT"
python3-tenacity	"ASL 2.0"
python3-testscenarios	"ASL 2.0 and BSD"
python3-testtools	"MIT"
python3-tinyrpc	"MIT"
python3-tooz	"ASL 2.0"

Package name	License
python3-traceback2	"Python"
python3-tripleoclient	"ASL 2.0"
python3-tripleo-common	"ASL 2.0"
python3-troveclient	"ASL 2.0"
python3-ujson	"BSD"
python3-unittest2	"BSD"
python3-urllib3	"MIT"
python3-urllib-gssapi	"ASL 2.0"
python3-validations-lib	"ASL 2.0"
python3-vine	"BSD"
python3-voluptuous	"BSD"
python3-waitress	"ZPLv2.1"
python3-warlock	"ASL 2.0"
python3-wcwidth	"MIT"
python3-webob	"MIT"
python3-webtest	"MIT"
python3-werkzeug	"BSD"
python3-wrapt	"BSD"
python3-yappi	"MIT"
python3-yaql	"ASL 2.0"
python3-zake	"ASL 2.0"
python3-zaqarclient	"ASL 2.0"
python3-zipp	"MIT"

Package name	License
python-openstackclient-lang	"ASL 2.0"
python-oslo-cache-lang	"ASL 2.0"
python-oslo-concurrency-lang	"ASL 2.0"
python-oslo-db-lang	"ASL 2.0"
python-oslo-i18n-lang	"ASL 2.0"
python-oslo-log-lang	"ASL 2.0"
python-oslo-middleware-lang	"ASL 2.0"
python-oslo-policy-lang	"ASL 2.0"
python-oslo-privsep-lang	"ASL 2.0"
python-oslo-utils-lang	"ASL 2.0"
python-oslo-versionedobjects-lang	"ASL 2.0"
python-oslo-vmware-lang	"ASL 2.0"
python-pycadf-common	"ASL 2.0"
qpid-proton-c	"ASL 2.0"
qpid-proton-c-devel	"ASL 2.0"
rhosp-network-scripts-openvswitch	"Public Domain"
rhosp-openvswitch	"Public Domain"
rhosp-release	"GPLv2"
ruby-augeas	"LGPLv2+"
ruby-facter	"ASL 2.0"
rubygem-concurrent-ruby	"MIT"
rubygem-deep_merge	"MIT"

Package name	License
rubygem-fast_gettext	"MIT and (BSD or Ruby) and (LGPLv2+ or BSD or Ruby)"
rubygem-hocon	"ASL 2.0"
rubygem-multi_json	"MIT"
rubygem-puppet-resource_api	"ASL 2.0"
rubygem-semantic_puppet	"ASL 2.0"
ruby-shadow	"Public Domain"
subunit-filters	"ASL 2.0 or BSD"
tripleo-ansible	"ASL 2.0"
validations-common	"ASL 2.0"
yaml-cpp	"MIT"
zstd	"BSD and GPLv2"



## CHAPTER 3. RED HAT OPENSTACK PLATFORM 17.1

This section outlines the packages shipped in each repository released with the general availability of Red Hat OpenStack Platform 17.1.0.

### 3.1. RED HAT OPENSTACK PLATFORM 17 TOOLS FOR RHEL 9 X86\_64 (RPMS)

The following table outlines the packages included in the **openstack-17-tools-for-rhel-9-x86\_64-rpms** repository.

**Table 3.1. Red Hat OpenStack Platform 17 Tools for RHEL 9 x86\_64 (RPMs) Packages**

Name	Version	Advisory
ansible-collections-openstack	1.9.1- 1.20230420061007.0e9a6f2.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ansible-core	2.14.2-4.1.el9ost	<a href="#">RHEA-2023:4577</a>
python-openstackclient-lang	5.5.2- 1.20230404121004.42d9b6e.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-concurrency-lang	4.4.0- 1.20220727123028.7dcf9e9.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-i18n-lang	5.0.1- 1.20220727101232.73187bd.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-log-lang	4.4.0- 1.20220727124451.9b29c90.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-middleware-lang	4.2.1- 1.20220727173907.b40ca5f.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-utils-lang	4.8.2- 1.20230201111008.a38b56a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-amqp	5.0.6-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-aodhclient	2.2.0- 1.20221118091109.b747ae3.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
python3-barbicanclient	5.3.0- 1.20230509091028.ad49c40.el9 ost	<a href="#">RHEA-2023:4577</a>
python3-cachetools	4.2.2-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-cinderclient	7.4.1- 1.20220727131518.4f72e6f.el9ost	<a href="#">RHEA-2023:4577</a>
python3-cliff	3.7.0- 1.20220727105718.117a100.el9ost	<a href="#">RHEA-2023:4577</a>
python3-cmd2	1.4.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-colorama	0.4.4-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-debtcollector	2.2.0- 1.20220727101232.649189d.el9ost	<a href="#">RHEA-2023:4577</a>
python3-designateclient	4.2.1- 1.20220727201540.7a8d156.el9os t	<a href="#">RHEA-2023:4577</a>
python3-dogpile-cache	1.1.5-3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-eventlet	0.30.2-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-extras	1.0.0-15.el9ost	<a href="#">RHEA-2023:4577</a>
python3-fasteners	0.14.1-24.el9ost	<a href="#">RHEA-2023:4577</a>
python3-fixtures	3.0.0-22.el9ost	<a href="#">RHEA-2023:4577</a>
python3-futurist	2.3.0- 1.20220727110826.1alc6f8.el9ost	<a href="#">RHEA-2023:4577</a>
python3-glanceclient	3.3.0- 1.20221115171215.f802c71.el9ost	<a href="#">RHEA-2023:4577</a>
python3-gnocchiclient	7.0.7- 0.20220709012622.cad2c27.el9o st	<a href="#">RHEA-2023:4577</a>
python3-heatclient	2.3.1- 1.20220727182401.d16c245.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
python3-importlib-metadata	1.7.0-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-ironicclient	4.6.4-1.20221027060745.09b78fa.el9ost	<a href="#">RHEA-2023:4577</a>
python3-iso8601	0.1.12-3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-jeepney	0.6.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-jmespath	0.10.0-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-keyring	21.8.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-keystoneauth1	4.4.0-1.20220727120523.112bcae.el9ost	<a href="#">RHEA-2023:4577</a>
python3-keystoneclient	4.3.0-1.20220727214928.d5cb761.el9ost	<a href="#">RHEA-2023:4577</a>
python3-kombu	5.0.2-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-manilaclient	2.6.4-1.20220727212635.7f7d7d3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-mimeparse	1.6.0-16.el9ost	<a href="#">RHEA-2023:4577</a>
python3-monotonic	1.5-9.el9ost	<a href="#">RHEA-2023:4577</a>
python3-msgpack	1.0.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-munch	2.5.0-4.el9ost	<a href="#">RHEA-2023:4577</a>
python3-neutronclient	7.3.1-1.20221110061234.29a9f5e.el9ost	<a href="#">RHEA-2023:4577</a>
python3-novaclient	17.4.1-1.20220917060716.5ee4427.el9ost	<a href="#">RHEA-2023:4577</a>
python3-octaviaclient	2.3.1-1.20220727132450.51347bc.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
python3-openstackclient	5.5.2- 1.20230404121004.42d9b6e.el9ost	<a href="#">RHEA-2023:4577</a>
python3-openstacksdk	0.55.1- 1.20220727183533.f09ed4a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-os-client-config	2.1.0- 1.20220727121556.bc96c23.el9ost	<a href="#">RHEA-2023:4577</a>
python3-os-service-types	1.7.0- 1.20220727115532.0b2f473.el9ost	<a href="#">RHEA-2023:4577</a>
python3-osc-lib	2.3.1- 1.20220727122302.2b7a679.el9ost	<a href="#">RHEA-2023:4577</a>
python3-osc-placement	2.2.0- 1.20220727145337.f7640c9.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-concurrency	4.4.0- 1.20220727123028.7dcf9e9.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-config	8.5.1- 1.20220727120157.de1dbee.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-context	3.2.1- 1.20220727123754.b124eb7.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-i18n	5.0.1- 1.20220727101232.73187bd.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-log	4.4.0- 1.20220727124451.9b29c90.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-messaging	12.7.3- 1.20221212170855.5d6fd1a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-middleware	4.2.1- 1.20220727173907.b40ca5f.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
python3-oslo-serialization	4.1.1-1.20220727174213.bbe5d5a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-service	2.5.1-1.20220727163421.c1e3398.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-utils	4.8.2-1.20230201111008.a38b56a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-osprofiler	3.4.0-1.20220727135110.5d82a02.el9ost	<a href="#">RHEA-2023:4577</a>
python3-paste	3.5.0-3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-paste-deploy	2.1.1-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-pbr	5.5.1-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-pyOpenSSL	20.0.1-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-pyperclip	1.8.0-3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-repoze-lru	0.7-10.el9ost	<a href="#">RHEA-2023:4577</a>
python3-requestsexceptions	1.4.0-1.20220727101907.d7ac0ff.el9ost	<a href="#">RHEA-2023:4577</a>
python3-rfc3986	1.4.0-5.el9ost	<a href="#">RHEA-2023:4577</a>
python3-routes	2.4.1-12.el9ost	<a href="#">RHEA-2023:4577</a>
python3-saharaclient	3.3.0-1.20220727141925.401e663.el9ost	<a href="#">RHEA-2023:4577</a>
python3-secretstorage	3.3.1-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-simplejson	3.17.2-4.el9ost	<a href="#">RHEA-2023:4577</a>
python3-statsd	3.2.1-16.el9ost	<a href="#">RHEA-2023:4577</a>
python3-stevedore	3.3.3-1.20221025061318.7b48fff.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
python3-swiftclient	3.11.1-1.20220727122947.06b36ae.el9ost	<a href="#">RHEA-2023:4577</a>
python3-tempita	0.5.1-25.el9ost	<a href="#">RHEA-2023:4577</a>
python3-testtools	2.4.0-8.el9ost	<a href="#">RHEA-2023:4577</a>
python3-ujson	4.0.2-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-vine	5.0.0-3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-warlock	1.3.3-5.el9ost	<a href="#">RHEA-2023:4577</a>
python3-webob	1.8.7-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-wrapt	1.12.1-4.el9ost	<a href="#">RHEA-2023:4577</a>
python3-yappi	1.3.1-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-zipp	3.4.0-1.el9ost	<a href="#">RHEA-2023:4577</a>

### 3.2. RED HAT OPENSTACK PLATFORM 17.1 DIRECTOR DEPLOYMENT TOOLS FOR RHEL 9 X86\_64 (RPMS)

The following table outlines the packages included in the **openstack-17.1-deployment-tools-for-rhel-9-x86\_64-rpms** repository.

**Table 3.2. Red Hat OpenStack Platform 17.1 Director Deployment Tools for RHEL 9 x86\_64 (RPMs) Packages**

Name	Version	Advisory
ansible-pacemaker	1.0.4-1.20221026101409.7c10fdb.el9ost	<a href="#">RHEA-2023:4577</a>
cpp-hocon	0.3.0-5.el9ost	<a href="#">RHEA-2023:4577</a>
crudini	0.9.3-4.el9ost	<a href="#">RHEA-2023:4577</a>
dib-utils	0.0.11-1.20220727110347.51661c3.el9ost	<a href="#">RHEA-2023:4577</a>
factor	3.14.19-1.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
heat-cfnutils	1.4.2-6.1.el9ost	<a href="#">RHEA-2023:4577</a>
hieradata	3.6.0-4.el9ost	<a href="#">RHEA-2023:4577</a>
leatherman	1.12.6-3.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ansible-core	2.14.2-4.1.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-heat-agents	2.2.1- 1.20220727150309.ed16cc7.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-network-scripts	10.11.1-6.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-selinux	0.8.37- 1.20221215081212.34c2ecc.el9ost	<a href="#">RHEA-2023:4577</a>
os-apply-config	13.1.0- 1.20220727112728.474068e.el9ost	<a href="#">RHEA-2023:4577</a>
os-collect-config	13.1.0- 1.20220727142450.3a7d05a.el9ost	<a href="#">RHEA-2023:4577</a>
os-net-config	14.2.1-1.20230412012160.el9ost	<a href="#">RHEA-2023:4577</a>
os-refresh-config	13.1.0- 1.20220727112622.5bb536c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet	7.10.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-aodh	18.4.2- 1.20230131221616.3e47b5a.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-apache	6.5.2- 0.20220708185123.e4a1532.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-archive	4.6.1- 0.20220708125017.bc7e4ff.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-auditd	2.2.1- 1.20220727113245.189b22b.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
puppet-barbican	18.4.2- 1.20221108083811.af6c77b.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-ceilometer	18.4.3- 1.20230505010953.5050368.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-certmonger	2.7.1- 0.20220708130814.3e2e660.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-cinder	18.5.2- 1.20230127000858.6aa60e7.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-collectd	13.0.1- 1.20230413150957.ad138a7.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-concat	6.2.1- 0.20220708124348.dfeabb9.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-corosync	8.0.1- 0.20220708132338.6a9da9a.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-designate	18.6.1- 1.20230131222245.f4c0b89.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-dns	8.2.1- 1.20220727161138.70f5b28.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-etcd	1.12.3- 0.20220708134753.e143c2d.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-fdio	18.2- 1.20220727113954.6fd1c8e.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-firewall	3.4.1- 0.20220708230759.94f707c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-git	0.5.0- 0.20220708135559.4e4498e.el9ost	<a href="#">RHEA-2023:4577</a>



Name	Version	Advisory
puppet-glance	18.6.1- 1.20230128000808.81b081d.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-gnocchi	18.4.3- 1.20230131220859.7584b94.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-haproxy	4.2.2- 0.20220708140119.a797b8c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-headless	7.10.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-heat	18.4.1- 1.20230323231707.3b41bb0.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-horizon	18.6.1- 1.20230423021001.8074e69.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-inifile	4.2.1- 0.20220708124300.df46d2a.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-ipaclient	2.5.2- 0.20220708140214.b086731.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-ironic	18.7.1- 1.20230516021003.edf93f9.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-keepalived	0.0.2- 0.20220708140744.bbca37a.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-keystone	18.6.1- 1.20230218001345.67ff287.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-kmod	2.5.0- 0.20220708132126.52e31e3.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
puppet-manila	18.5.2-1.20230127001703.a72a7d5.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-memcached	6.0.0-0.20220708130345.4c70dbd.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-module-data	0.5.1-0.20220708141002.28dafce.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-mysql	10.6.1-0.20220708235631.937d044.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-neutron	18.6.1-1.20221226003124.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-nova	18.6.1-1.20221226002121.65b15ad.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-nssdb	1.0.2-0.20220708131512.2ed2a2d.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-octavia	18.5.1-1.20230131223407.842492c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-openstack_extras	18.5.1-1.20221108091707.504e1a0.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-openstacklib	18.5.2-1.20221219231920.64d8ac6.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-oslo	18.5.1-1.20221219231819.fe2a147.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-ovn	18.6.1-1.20230413011101.7805f7e.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-pacemaker	1.5.1-1.20221226003830.7add073.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-placement	5.4.3-1.20230131222430.e7557a5.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
puppet-qdr	7.4.1- 1.20220727114105.8a575de.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-rabbitmq	11.0.1- 1.20230428151021.63fee2c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-redis	6.1.1- 0.20220708133131.547105e.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-remote	10.0.0- 0.20220708134022.7420908.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-rsync	1.1.4- 0.20220708190404.ea6397e.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-rsyslog	4.0.1- 1.20220727114715.2548a0d.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-snmp	3.9.1- 0.20220708142128.5d73485.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-ssh	6.2.1- 0.20220708131619.6e0f430.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-stdlib	6.3.1- 1.20220808112706.7c1ae25.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-swift	18.6.1- 1.20221219231232.f105ffc.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-sysctl	0.0.13- 0.20220708125726.847ec1c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-systemd	2.12.1- 0.20220708133123.8f68b0d.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-tripleo	14.2.3-1.20230517011019.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-vcsrepo	3.1.1- 0.20220708130257.a36ee18.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
puppet-vswitch	14.4.3- 1.20221109011054.51e82ca.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-xinetd	3.3.1- 0.20220708130858.8d460c4.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-concurrency-lang	4.4.0- 1.20220727123028.7dcf9e9.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-i18n-lang	5.0.1- 1.20220727101232.73187bd.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-log-lang	4.4.0- 1.20220727124451.9b29c90.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-utils-lang	4.8.2- 1.20230201111008.a38b56a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-anyjson	0.3.3-24.el9ost	<a href="#">RHEA-2023:4577</a>
python3-boto	2.45.0-7.1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-cliff	3.7.0- 1.20220727105718.117a100.el9ost	<a href="#">RHEA-2023:4577</a>
python3-cmd2	1.4.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-colorama	0.4.4-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-debtcollector	2.2.0- 1.20220727101232.649189d.el9ost	<a href="#">RHEA-2023:4577</a>
python3-dogpile-cache	1.1.5-3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-eventlet	0.30.2-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-fasteners	0.14.1-24.el9ost	<a href="#">RHEA-2023:4577</a>
python3-heat-agent	2.2.1- 1.20220727150309.ed16cc7.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
python3-heat-agent-ansible	2.2.1-1.20220727150309.ed16cc7.el9ost	<a href="#">RHEA-2023:4577</a>
python3-heat-agent-apply-config	2.2.1-1.20220727150309.ed16cc7.el9ost	<a href="#">RHEA-2023:4577</a>
python3-heat-agent-docker-cmd	2.2.1-1.20220727150309.ed16cc7.el9ost	<a href="#">RHEA-2023:4577</a>
python3-heat-agent-hiera	2.2.1-1.20220727150309.ed16cc7.el9ost	<a href="#">RHEA-2023:4577</a>
python3-heat-agent-json-file	2.2.1-1.20220727150309.ed16cc7.el9ost	<a href="#">RHEA-2023:4577</a>
python3-heat-agent-puppet	2.2.1-1.20220727150309.ed16cc7.el9ost	<a href="#">RHEA-2023:4577</a>
python3-heatclient	2.3.1-1.20220727182401.d16c245.el9ost	<a href="#">RHEA-2023:4577</a>
python3-importlib-metadata	1.7.0-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-iso8601	0.1.12-3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-jeepney	0.6.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-jmespath	0.10.0-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-keyring	21.8.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-keystoneauth1	4.4.0-1.20220727120523.112bcae.el9ost	<a href="#">RHEA-2023:4577</a>
python3-keystoneclient	4.3.0-1.20220727214928.d5cb761.el9ost	<a href="#">RHEA-2023:4577</a>
python3-msgpack	1.0.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-munch	2.5.0-4.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
python3-openstacksdk	0.55.1- 1.20220727183533.f09ed4a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-os-service-types	1.7.0- 1.20220727115532.0b2f473.el9ost	<a href="#">RHEA-2023:4577</a>
python3-osc-lib	2.3.1- 1.20220727122302.2b7a679.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-concurrency	4.4.0- 1.20220727123028.7dcf9e9.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-config	8.5.1- 1.20220727120157.de1dbee.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-context	3.2.1- 1.20220727123754.b124eb7.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-i18n	5.0.1- 1.20220727101232.73187bd.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-log	4.4.0- 1.20220727124451.9b29c90.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-serialization	4.1.1- 1.20220727174213.bbe5d5a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-oslo-utils	4.8.2- 1.20230201111008.a38b56a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-pbr	5.5.1-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-pyperclip	1.8.0-3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-pystache	0.5.4-13.el9ost	<a href="#">RHEA-2023:4577</a>
python3-requestsexceptions	1.4.0- 1.20220727101907.d7ac0ff.el9ost	<a href="#">RHEA-2023:4577</a>
python3-rfc3986	1.4.0-5.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
python3-rsa	4.6-2.1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-secretstorage	3.3.1-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-simplejson	3.17.2-4.el9ost	<a href="#">RHEA-2023:4577</a>
python3-stevedore	3.3.3- 1.20221025061318.7b48fff.el9ost	<a href="#">RHEA-2023:4577</a>
python3-swiftclient	3.11.1- 1.20220727122947.06b36ae.el9ost	<a href="#">RHEA-2023:4577</a>
python3-wrapt	1.12.1-4.el9ost	<a href="#">RHEA-2023:4577</a>
python3-zaqarclient	2.3.0- 1.20220727134149.e388947.el9ost	<a href="#">RHEA-2023:4577</a>
python3-zipp	3.4.0-1.el9ost	<a href="#">RHEA-2023:4577</a>
rhosp-director-images-base	17.1-20230802.2.el9ost	<a href="#">RHEA-2023:4579</a>
rhosp-director-images-metadata	17.1-20230802.2.el9ost	<a href="#">RHEA-2023:4579</a>
rhosp-director-images-minimal	17.1-20230802.2.el9ost	<a href="#">RHEA-2023:4579</a>
rhosp-release	17.1.0-1.el9ost	<a href="#">RHEA-2023:4577</a>
ruby-augeas	0.5.0-27.el9ost	<a href="#">RHEA-2023:4577</a>
ruby-facter	3.14.19-1.el9ost	<a href="#">RHEA-2023:4577</a>
rubygem-concurrent-ruby	1.1.5-2.el9ost	<a href="#">RHEA-2023:4577</a>
rubygem-deep_merge	1.2.1-7.el9ost	<a href="#">RHEA-2023:4577</a>
rubygem-diff-lcs	1.2.5-7.el9ost	<a href="#">RHEA-2023:4577</a>
rubygem-fast_gettext	1.2.0-9.el9ost	<a href="#">RHEA-2023:4577</a>
rubygem-hocon	1.3.1-2.el9ost	<a href="#">RHEA-2023:4577</a>
rubygem-multi_json	1.15.0-2.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
rubygem-puppet-resource_api	1.8.13-1.el9ost	<a href="#">RHEA-2023:4577</a>
rubygem-ruby-shadow	2.5.0-15.el9ost	<a href="#">RHEA-2023:4577</a>
rubygem-semantic_puppet	1.0.4-2.el9ost	<a href="#">RHEA-2023:4577</a>
rubygem-set	1.0.1-1.el9ost	<a href="#">RHEA-2023:4577</a>
yaml-cpp	0.6.3-4.el9ost	<a href="#">RHEA-2023:4577</a>

### 3.3. RED HAT OPENSTACK PLATFORM 17.1 FOR RHEL 8 X86\_64 (RPMS)

The following table outlines the packages included in the **openstack-17.1-for-rhel-8-x86\_64-rpms** repository.

**Table 3.3. Red Hat OpenStack Platform 17.1 for RHEL 8 x86\_64 (RPMs) Packages**

Name	Version	Advisory
ansible-collection-ansible-netcommon	2.2.0-1.2.el8ost.1	<a href="#">RHEA-2023:4580</a>
ansible-collection-ansible-posix	1.2.0-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
ansible-collection-ansible-utils	2.3.0-2.el8ost	<a href="#">RHEA-2023:4580</a>
ansible-collection-community-general	4.0.0-1.1.el8ost.1	<a href="#">RHEA-2023:4580</a>
ansible-collection-containers-podman	1.9.3-1.el8ost	<a href="#">RHEA-2023:4580</a>
ansible-collections-openstack	1.9.1-1.20230420063954.0e9a6f2.el8ost	<a href="#">RHEA-2023:4580</a>
ansible-config_template	2.0.1-17.1.20230517174107.7951228.el8ost	<a href="#">RHEA-2023:4580</a>
ansible-freeipa	1.9.2-1.1.el8ost	<a href="#">RHEA-2023:4580</a>
ansible-pacemaker	1.0.4-17.1.20221026103752.7c10fdb.el8ost	<a href="#">RHEA-2023:4580</a>



Name	Version	Advisory
ansible-role-atos-hsm	1.0.1- 1.20220727095609.ccd3896.el8 ost	<a href="#">RHEA-2023:4580</a>
ansible-role-chrony	1.3.1- 1.20230510014016.0111661.el8ost	<a href="#">RHEA-2023:4580</a>
ansible-role-collectd-config	0.0.2- 1.20220727095634.1992666.el8o st	<a href="#">RHEA-2023:4580</a>
ansible-role-container-registry	1.4.1- 17.1.20221116233745.a091b9c.el8o st	<a href="#">RHEA-2023:4580</a>
ansible-role-lunasa-hsm	1.1.1- 17.1.20220727100600.6ebc8f4.el 8ost	<a href="#">RHEA-2023:4580</a>
ansible-role-metalsmith- deployment	1.4.4- 1.20230515184003.5e7461e.el8os t	<a href="#">RHEA-2023:4580</a>
ansible-role-openstack- operations	0.0.1- 17.1.20220727212820.2ab288f.el8 ost	<a href="#">RHEA-2023:4580</a>
ansible-role-qdr-config	0.0.1- 1.20220727212923.b456651.el8os t	<a href="#">RHEA-2023:4580</a>
ansible-role-redhat-subscription	1.2.1- 17.1.20220818145419.eefe501.el8o st	<a href="#">RHEA-2023:4580</a>
ansible-role-thales-hsm	3.0.1- 1.20220727213721.e0f4569.el8ost	<a href="#">RHEA-2023:4580</a>
ansible-role-tripleo-modify- image	1.5.1- 17.1.20230211115447.b6eedb6.el8o st	<a href="#">RHEA-2023:4580</a>
ansible-tripleo-ipa	0.3.1-1.20230519134015.el8ost	<a href="#">RHEA-2023:4580</a>
ansible-tripleo-ipsec	11.0.1- 1.20220727100612.b5559c8.el8os t	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
collectd	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-amqp1	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-apache	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-bind	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-ceph	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-chrony	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-connectivity	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-curl	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-curl_json	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-curl_xml	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-disk	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-dns	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-generic-jmx	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-hugepages	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-ipmi	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-iptables	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-libpod-stats	1.0.5-5.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-log_logstash	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-mcelog	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-mysql	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-netlink	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-openldap	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-ovs-events	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
collectd-ovs-stats	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-pcie-errors	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-ping	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-pmu	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-procevent	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-python	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-rdt	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-sensors	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-sensubility	0.2.0-2.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-smart	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-snmp	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-snmp-agent	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-sysevent	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-turbostat	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-utils	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-virt	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-write_http	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-write_kafka	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
collectd-write_prometheus	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
cpp-hocon	0.3.0-4.2.el8ost.2	<a href="#">RHEA-2023:4580</a>
crudini	0.9.3-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
dib-utils	0.0.11- 17.1.20220727214513.51661c3.el8o st	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
diskimage-builder	3.29.1-1.20230424094026.ed9bdf8.el8ost	<a href="#">RHEA-2023:4580</a>
double-conversion	3.1.5-4.el8ost.2	<a href="#">RHEA-2023:4580</a>
dumb-init	1.2.5-2.el8ost	<a href="#">RHEA-2023:4580</a>
facter	3.14.19-1.el8ost	<a href="#">RHEA-2023:4580</a>
golang-github-Sirupsen-logrus-devel	1.1.1-7.el8ost	<a href="#">RHEA-2023:4580</a>
golang-github-davecgh-go-spew-devel	0-0.12.git6d21280.1.el8ost.1	<a href="#">RHEA-2023:4580</a>
golang-github-go-ini-ini-devel	1.39.3-0.2.gitf55231c.1.el8ost	<a href="#">RHEA-2023:4580</a>
golang-github-infrawatch-apputils	0.5-2.git4ffa970.el8ost	<a href="#">RHEA-2023:4580</a>
golang-github-pmezard-difflib-devel	1.0.0-6.el8ost	<a href="#">RHEA-2023:4580</a>
golang-github-streadway-amqp-devel	0-0.4.20190404git75d898a.el8ost	<a href="#">RHEA-2023:4580</a>
golang-github-stretchr-objx-devel	0-0.14.git1a9d0bb.el8ost	<a href="#">RHEA-2023:4580</a>
golang-github-stretchr-testify-devel	1.2.2-5.el8ost	<a href="#">RHEA-2023:4580</a>
golang-github-urfave-cli-devel	1.20.0-7.el8ost	<a href="#">RHEA-2023:4580</a>
golang-github-vbatts-tar-split	0.11.1-9.el8ost	<a href="#">RHEA-2023:4580</a>
golang-qpid-apache	0.33.0-4.el8ost	<a href="#">RHEA-2023:4580</a>
golang-uber-atomic	1.5.1-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
golang-uber-multierr	1.5.0-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
golang-x-sys-devel	0-0.39.20210715git9b0068b.el8ost	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
heat-cfntools	1.4.2-11.el8ost.2	<a href="#">RHEA-2023:4580</a>
hiera	3.6.0-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
leapp-repository-openstack	0.0.12-1.el8ost	<a href="#">RHEA-2023:4580</a>
leatherman	1.12.0-5.el8ost.1	<a href="#">RHEA-2023:4580</a>
libcollectdclient	5.12.0-10.el8ost	<a href="#">RHEA-2023:4580</a>
liboping	1.10.0-11.el8ost	<a href="#">RHEA-2023:4580</a>
libqhull	7.2.1-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
libsodium	1.0.18-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
libzstd	1.4.5-6.el8ost.1	<a href="#">RHEA-2023:4580</a>
openstack-heat-agents	2.2.1- 1.20220728000604.ed16cc7.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-heat-api	16.1.1- 1.20230416004033.2d5a87d.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-heat-common	16.1.1- 1.20230416004033.2d5a87d.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-heat-engine	16.1.1- 1.20230416004033.2d5a87d.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-heat-monolith	16.1.1- 1.20230416004033.2d5a87d.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-ironic-python-agent-builder	2.8.0- 1.20220727181453.e0b51e0.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-nova-common	23.2.3-1.20230520123958.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-nova-compute	23.2.3-1.20230520123958.el8ost	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
openstack-nova-migration	23.2.3-1.20230520123958.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-selinux	0.8.37-17.1.20221215084349.34c2ecc.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-tempest	33.0.0-1.20230406153813.1580f6f.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-tripleo-common	15.4.1-1.20230518205256.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-tripleo-common-container-base	15.4.1-1.20230518205256.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-tripleo-common-containers	15.4.1-1.20230518205256.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-tripleo-heat-templates	14.3.1-1.20230519143971.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-tripleo-image-elements	13.1.3-1.20230322223831.a641940.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-tripleo-puppet-elements	14.1.3-1.20230221224239.23b0079.el8ost	<a href="#">RHEA-2023:4580</a>
openstack-tripleo-validations	14.3.2-1.20230421033956.c768acb.el8ost	<a href="#">RHEA-2023:4580</a>
os-apply-config	13.1.0-1.20220727102349.474068e.el8ost	<a href="#">RHEA-2023:4580</a>
os-collect-config	13.1.0-1.20220727232946.3a7d05a.el8ost	<a href="#">RHEA-2023:4580</a>
os-net-config	14.2.1-1.20230412014753.el8ost	<a href="#">RHEA-2023:4580</a>
os-refresh-config	13.1.0-1.20220727215600.5bb536c.el8ost	<a href="#">RHEA-2023:4580</a>
plotnetcfg	0.4.1-14.el8ost.1	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
pmu-data	109-3.1.el8ost	<a href="#">RHEA-2023:4580</a>
puppet	7.10.0-1.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-aodh	18.4.2-1.20230131230427.3e47b5a.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-apache	6.5.2-0.20220712154420.e4a1532.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-archive	4.6.1-0.20220712084434.bc7e4ff.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-auditd	2.2.1-17.1.20220727220254.189b22b.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-barbican	18.4.2-1.20221108094553.af6c77b.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-ceilometer	18.4.3-1.20230505004947.5050368.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-certmonger	2.7.1-0.20220712090641.3e2e660.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-cinder	18.5.2-1.20230127003831.6aa60e7.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-collectd	13.0.0-1.20230413134008.ad138a7.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-concat	6.2.1-0.20220712083648.dfeabb9.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-corosync	8.0.1-0.20220712093115.6a9da9a.el8ost	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
puppet-designate	18.6.1- 1.20230131230703.f4c0b89.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-dns	8.2.1- 1.20220728005427.70f5b28.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-etcd	1.12.3- 17.1.20220712095117.e143c2d.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-fdio	18.2- 17.1.20220727103224.6fd1c8e.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-firewall	3.4.1- 17.1.20220714134752.94f707c.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-git	0.5.0- 17.1.20220712100238.4e4498e.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-glance	18.6.1- 1.20230128003900.81b081d.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-gnocchi	18.4.3- 1.20230131225420.7584b94.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-haproxy	4.2.2- 0.20220712100808.a797b8c.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-headless	7.10.0-1.el8ost	<a href="#">RHEA-2023:4580</a>
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puppet-ipaclient	2.5.2-17.1.20220712101058.b086731.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-ironic	18.7.1-1.20230516013950.edf93f9.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-keepalived	0.0.2-17.1.20220712101637.bbca37a.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-keystone	18.6.1-1.20230218004339.67ff287.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-kmod	2.5.0-0.20220712092606.52e31e3.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-manila	18.5.2-1.20230127004755.a72a7d5.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-memcached	6.0.0-17.1.20220712090433.4c70dbd.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-module-data	0.5.1-17.1.20220712102135.28dafce.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-mysql	10.6.1-1.20220714141739.937d044.el8ost	<a href="#">RHEA-2023:4580</a>
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puppet-openstacklib	18.5.2- 1.20221219234730.64d8ac6.el8ost	<a href="#">RHEA-2023:4580</a>
puppet-oslo	18.5.1- 1.20221219234629.fe2a147.el8ost	<a href="#">RHEA-2023:4580</a>
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puppet-ssh	6.2.1-0.20220712092028.6e0f430.el8ost	<a href="#">RHEA-2023:4580</a>
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python-oslo-cache-lang	2.7.1-1.20220727175242.d0252f6.el8ost	<a href="#">RHEA-2023:4580</a>
python-oslo-concurrency-lang	4.4.0-1.20220727153420.7dcf9e9.el8ost	<a href="#">RHEA-2023:4580</a>

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python-oslo-log-lang	4.4.0- 1.20230124123758.9b29c90.el8ost	<a href="#">RHEA-2023:4580</a>
python-oslo-middleware-lang	4.2.1- 1.20220727174253.b40ca5f.el8ost	<a href="#">RHEA-2023:4580</a>
python-oslo-policy-lang	3.7.1- 1.20220727124740.639b471.el8ost	<a href="#">RHEA-2023:4580</a>
python-oslo-privsep-lang	2.5.1- 1.20230516124011.1634c00.el8ost	<a href="#">RHEA-2023:4580</a>
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python3-barbicanclient	5.3.0-1.20230509083956.ad49c40.el8ost	<a href="#">RHEA-2023:4580</a>
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python3-boto	2.49.0-4.el8ost.1	<a href="#">RHEA-2023:4580</a>
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python3-castellan	3.7.2-1.20220727113716.3775cf4.el8ost	<a href="#">RHEA-2023:4580</a>
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python3-collectd-rabbitmq-monitoring	0.0.6-4.el8ost	<a href="#">RHEA-2023:4580</a>
python3-colorama	0.4.4-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
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python3-ddt	1.4.2-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
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python3-decorator	4.4.0-5.el8ost.1	<a href="#">RHEA-2023:4580</a>
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python3-heat-agent	2.2.1-1.20220728000604.ed16cc7.el8ost	<a href="#">RHEA-2023:4580</a>
python3-heat-agent-ansible	2.2.1-1.20220728000604.ed16cc7.el8ost	<a href="#">RHEA-2023:4580</a>
python3-heat-agent-apply-config	2.2.1-1.20220728000604.ed16cc7.el8ost	<a href="#">RHEA-2023:4580</a>
python3-heat-agent-docker-cmd	2.2.1-1.20220728000604.ed16cc7.el8ost	<a href="#">RHEA-2023:4580</a>
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python3-heatclient	2.3.1-1.20220727134220.d16c245.el8ost	<a href="#">RHEA-2023:4580</a>
python3-importlib-metadata	1.7.0-1.el8ost.1	<a href="#">RHEA-2023:4580</a>

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python3-jeepney	0.6.0-2.el8ost.2	<a href="#">RHEA-2023:4580</a>
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python3-keystonemiddleware	9.2.0-1.20220727112636.3659bda.el8ost	<a href="#">RHEA-2023:4580</a>
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python3-logutils	0.3.5-12.el8ost	<a href="#">RHEA-2023:4580</a>
python3-magnumclient	3.4.1-1.20230105113801.280acd2.el8ost	<a href="#">RHEA-2023:4580</a>
python3-manilaclient	2.6.4-1.20220727154316.7f7d7d3.el8ost	<a href="#">RHEA-2023:4580</a>



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python3-msgpack	1.0.2-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-munch	2.5.0-3.el8ost.1	<a href="#">RHEA-2023:4580</a>
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python3-networkx	2.5-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
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python3-neutron-tests-tempest	2.1.0-1.20230508093958.el8ost	<a href="#">RHEA-2023:4580</a>
python3-neutronclient	7.3.1- 1.20221110063715.29a9f5e.el8ost	<a href="#">RHEA-2023:4580</a>

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python3-numpy-f2py	1.17.0-11.el8ost	<a href="#">RHEA-2023:4580</a>
python3-octaviaclient	2.3.1-1.20220727225443.51347bc.el8ost	<a href="#">RHEA-2023:4580</a>
python3-openstackclient	5.5.2-1.20230404113830.42d9b6e.el8ost	<a href="#">RHEA-2023:4580</a>
python3-openstacksdk	0.55.1-1.20220727181957.f09ed4a.el8ost	<a href="#">RHEA-2023:4580</a>
python3-os-brick	4.3.4-1.20230519140256.cf69f92.el8ost	<a href="#">RHEA-2023:4580</a>
python3-os-client-config	2.1.0-1.20220727222853.bc96c23.el8ost	<a href="#">RHEA-2023:4580</a>
python3-os-ken	1.4.1-1.20220727125626.018d755.el8ost	<a href="#">RHEA-2023:4580</a>
python3-os-resource-classes	1.0.0-1.20220727233914.3dd3506.el8ost	<a href="#">RHEA-2023:4580</a>
python3-os-service-types	17.0-17.1.20220727104045.0b2f473.el8ost	<a href="#">RHEA-2023:4580</a>
python3-os-testr	2.0.0-1.20220727214705.248dc81.el8ost	<a href="#">RHEA-2023:4580</a>
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python3-os-win	5.4.0-1.20220727114255.cce95b4.el8ost	<a href="#">RHEA-2023:4580</a>
python3-osc-lib	2.3.1-1.20220727105040.2b7a679.el8ost	<a href="#">RHEA-2023:4580</a>
python3-osc-placement	2.2.0-1.20220727235707.f7640c9.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-cache	2.7.1-1.20220727175242.d0252f6.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-concurrency	4.4.0-1.20220727153420.7dcf9e9.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-config	8.5.1-1.20230124123758.de1dbee.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-context	3.2.1-1.20220727110908.b124eb7.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-db	8.5.2-1.20221011033702.26fd6fb.el8ost	<a href="#">RHEA-2023:4580</a>
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python3-oslo-log	4.4.0-1.20230124123758.9b29c90.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-messaging	12.7.3-1.202212164246.5d6fd1a.el8ost	<a href="#">RHEA-2023:4580</a>
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Name	Version	Advisory
python3-oslo-policy	3.7.1- 1.20220727124740.639b471.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-privsep	2.5.1- 1.20230516124011.1634c00.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-reports	2.2.0- 1.20220727223653.bc631ae.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-rootwrap	6.3.1- 1.20220727132540.1b1b960.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-serialization	4.1.1- 1.20220727132453.bbe5d5a.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-service	2.5.1- 1.20230124124620.c1e3398.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-upgradecheck	1.3.1- 1.20220727131612.9561ecb.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-utils	4.8.2- 1.20230201104135.a38b56a.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-versionedobjects	2.4.1- 1.20220727131633.89ff171.el8ost	<a href="#">RHEA-2023:4580</a>
python3-oslo-vmware	3.8.2- 1.20220810165344.dc1a466.el8ost	<a href="#">RHEA-2023:4580</a>
python3-osprofiler	3.4.0- 1.20220727114659.5d82a02.el8ost	<a href="#">RHEA-2023:4580</a>
python3-ovsdbapp	1.9.4- 1.20221108163737.65d02f0.el8ost	<a href="#">RHEA-2023:4580</a>
python3-packaging	20.4-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-paramiko	2.7.2-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-passlib	1.7.4-1.el8ost.1	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
python3-paste	3.5.0-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-paste-deploy	2.1.1-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pbr	5.5.1-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pecan	1.4.0-2.el8ost.2	<a href="#">RHEA-2023:4580</a>
python3-pexpect	4.7.0-4.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-psutil	5.7.3-1.el8ost.2	<a href="#">RHEA-2023:4580</a>
python3-pyasn1	0.4.6-3.el8ost.2	<a href="#">RHEA-2023:4580</a>
python3-pyasn1-modules	0.4.6-3.el8ost.2	<a href="#">RHEA-2023:4580</a>
python3-pycadf	3.1.1-1.20220727223847.4179996.el8ost	<a href="#">RHEA-2023:4580</a>
python3-pycodestyle	2.5.0-6.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pydot	1.4.1-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pyflakes	2.1.1-5.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pygraphviz	1.5-9.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pymemcache	3.5.0-2.el8ost	<a href="#">RHEA-2023:4580</a>
python3-pynacl	1.4.0-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pyparsing	2.4.6-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pyperclip	1.8.0-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pyrabbit2	1.0.6-3.el8ost	<a href="#">RHEA-2023:4580</a>
python3-pyroute2	0.6.6-1.el8ost	<a href="#">RHEA-2023:4580</a>
python3-pyrsistent	0.17.3-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-pystache	0.5.4-13.el8ost.1	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
python3-pyyaml	5.4.1-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-redis	3.5.3-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-repoze-lru	0.7-6.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-requests	2.25.1-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-requestsexceptions	1.4.0- 17.1.20220727093815.d7ac0ff.el8 ost	<a href="#">RHEA-2023:4580</a>
python3-retrying	1.3.3-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-rfc3986	1.4.0-3.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-rhosp-openvswitch	3.1-1.el8ost	<a href="#">RHEA-2023:4580</a>
python3-routes	2.4.1-17.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-rsa	4.6-3.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-saharaclient	3.3.0- 1.20220727120214.401e663.el8os t	<a href="#">RHEA-2023:4580</a>
python3-secretstorage	3.3.1-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-setproctitle	1.2.2-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-shade	1.33.0- 1.20220727235444.e7c7f29.el8o st	<a href="#">RHEA-2023:4580</a>
python3-simplegeneric	0.8.1-17.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-simplejson	3.17.5-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-six	1.15.0-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-smmap	3.0.1-4.el8ost	<a href="#">RHEA-2023:4580</a>
python3-soupsieve	2.2-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-sqlalchemy-collectd	0.0.6-2.el8ost	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
python3-sqlparse	0.4.1-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-statsd	3.2.1-16.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-stestr	2.6.0-4.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-stevedore	3.3.3- 1.20221025091001.7b48fff.el8ost	<a href="#">RHEA-2023:4580</a>
python3-subunit	1.4.0-6.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-swiftclient	3.11.1- 1.20220727110024.06b36ae.el8ost	<a href="#">RHEA-2023:4580</a>
python3-taskflow	4.6.0- 1.20220727230513.0f7c6e9.el8ost	<a href="#">RHEA-2023:4580</a>
python3-tempest	33.0.0- 1.20230406153813.1580f6f.el8ost	<a href="#">RHEA-2023:4580</a>
python3-tempestconf	3.3.1- 1.20221216123732.29cc500.el8ost	<a href="#">RHEA-2023:4580</a>
python3-tempita	0.5.1-25.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-tenacity	6.3.1-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-testscenarios	0.5.0-17.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-testtools	2.5.0-2.el8ost	<a href="#">RHEA-2023:4580</a>
python3-tinyrpc	1.0.3-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-tooz	2.8.3- 1.20220810165244.73dbe0e.el8ost	<a href="#">RHEA-2023:4580</a>
python3-traceback2	1.4.0-25.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-tripleo-common	15.4.1-1.20230518205256.el8ost	<a href="#">RHEA-2023:4580</a>
python3-tripleoclient	16.5.1-1.20230505004752.el8ost	<a href="#">RHEA-2023:4580</a>

Name	Version	Advisory
python3-troveclient	7.0.0-1.20220727231400.c7319d8.el8ost	<a href="#">RHEA-2023:4580</a>
python3-ujson	2.0.3-3.el8ost	<a href="#">RHEA-2023:4580</a>
python3-unittest2	1.1.0-24.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-urllib-gssapi	1.0.1-11.el8ost	<a href="#">RHEA-2023:4580</a>
python3-urllib3	1.25.10-4.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-validations-lib	1.9.1-1.20230421024008.7213419.el8ost	<a href="#">RHEA-2023:4580</a>
python3-vine	5.0.0-2.1.el8ost	<a href="#">RHEA-2023:4580</a>
python3-voluptuous	0.12.1-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-waitress	2.0.0-3.el8ost	<a href="#">RHEA-2023:4580</a>
python3-warlock	1.3.3-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-wcwidth	0.2.5-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-webob	1.8.7-1.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-webtest	2.0.35-3.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-werkzeug	1.0.1-3.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-wrapt	1.12.1-3.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-yappi	1.3.1-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-yaql	1.1.3-10.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-zake	0.2.2-19.el8ost.1	<a href="#">RHEA-2023:4580</a>
python3-zaqarclient	2.3.0-1.20220727225720.e388947.el8ost	<a href="#">RHEA-2023:4580</a>
python3-zipp	3.4.0-1.el8ost.1	<a href="#">RHEA-2023:4580</a>



Name	Version	Advisory
qpid-proton-c	0.32.0-2.el8	<a href="#">RHEA-2023:4580</a>
qpid-proton-c-devel	0.32.0-2.el8	<a href="#">RHEA-2023:4580</a>
rhosp-network-scripts- openvswitch	3.1-1.el8ost	<a href="#">RHEA-2023:4580</a>
rhosp-openvswitch	3.1-1.el8ost	<a href="#">RHEA-2023:4580</a>
rhosp-release	17.1.0-1.el8ost	<a href="#">RHEA-2023:4580</a>
ruby-augeas	0.5.0-23.el8ost.1	<a href="#">RHEA-2023:4580</a>
ruby-facter	3.14.19-1.el8ost	<a href="#">RHEA-2023:4580</a>
ruby-shadow	2.5.0-8.el8ost	<a href="#">RHEA-2023:4580</a>
rubygem-concurrent-ruby	1.1.5-2.el8ost.1	<a href="#">RHEA-2023:4580</a>
rubygem-deep_merge	1.2.1-4.el8ost.1	<a href="#">RHEA-2023:4580</a>
rubygem-fast_gettext	1.2.0-9.el8ost.1	<a href="#">RHEA-2023:4580</a>
rubygem-hocon	1.3.1-2.el8ost	<a href="#">RHEA-2023:4580</a>
rubygem-multi_json	1.15.0-2.el8ost	<a href="#">RHEA-2023:4580</a>
rubygem-puppet-resource_api	1.8.13-1.el8ost	<a href="#">RHEA-2023:4580</a>
rubygem-semantic_puppet	1.0.4-2.el8ost	<a href="#">RHEA-2023:4580</a>
subunit-filters	1.4.0-6.el8ost.1	<a href="#">RHEA-2023:4580</a>
tripleo-ansible	3.3.1-1.20230521003956.el8ost	<a href="#">RHEA-2023:4580</a>
validations-common	1.9.1- 1.20230406033859.e96c169.el8 ost	<a href="#">RHEA-2023:4580</a>
yaml-cpp	0.6.3-4.el8ost.1	<a href="#">RHEA-2023:4580</a>
zstd	1.4.5-6.el8ost.1	<a href="#">RHEA-2023:4580</a>

### 3.4. RED HAT OPENSTACK PLATFORM 17.1 FOR RHEL 9 X86\_64 (RPMS)

The following table outlines the packages included in the **openstack-17.1-for-rhel-9-x86\_64-rpms** repository.

**Table 3.4. Red Hat OpenStack Platform 17.1 for RHEL 9 x86\_64 (RPMs) Packages**

Name	Version	Advisory
XStatic-Angular-common	1.5.8.0-15.el9ost	<a href="#">RHEA-2023:4577</a>
XStatic-Magic-Search-common	0.2.5.1-16.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-collection-ansible-netcommon	2.2.0-1.2.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-collection-ansible-posix	1.2.0-1.3.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-collection-ansible-utils	2.3.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-collection-community-general	4.0.0-1.1.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-collection-containers-podman	1.9.4-1.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-collections-openstack	1.9.1-1.20230420061007.0e9a6f2.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-config_template	2.0.1-1.20230517171038.7951228.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-pacemaker	1.0.4-1.20221026101409.7c10fdb.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-atos-hsm	1.0.1-1.20220727102902.ccd3896.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-chrony	1.3.1-1.20230510010957.0111661.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-collect-logs	1.5.1-1.20230504091034.e861134.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
ansible-role-collectd-config	0.0.3- 1.20220727103502.1992666.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-container-registry	1.4.1- 1.20221116231149.a091b9c.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-lunasa-hsm	1.1.1- 1.20220727103630.6ebc8f4.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-metalsmith-deployment	1.4.4- 1.20230517141000.5e7461e.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-network-runner	0.3.4-2.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-openstack-operations	0.0.1- 1.20220727104216.2ab288f.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-qdr-config	0.0.2- 1.20220727104614.b456651.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-redhat-subscription	1.2.1- 1.20220818131818.eefe501.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-thales-hsm	3.0.1- 1.20220727104948.e0f4569.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-role-tripleo-modify-image	1.5.1- 1.20230211112201.b6eedb6.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-tripleo-ipa	0.3.1-1.20230519140960.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-tripleo-ipsec	11.0.1- 1.20220727105329.b5559c8.el9ost	<a href="#">RHEA-2023:4577</a>
ansible-tripleo-powerflex	1.0.0- 0.20220708152658.8633fbd.el9ost	<a href="#">RHEA-2023:4577</a>
bootswatch-common	3.3.7.0-15.el9ost	<a href="#">RHEA-2023:4577</a>
bootswatch-fonts	3.3.7.0-15.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
collectd	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-amqp	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-amqp1	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-apache	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-bind	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-ceph	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-chrony	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-connectivity	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-curl	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-curl_json	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-curl_xml	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-disk	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-dns	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-hugepages	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-ipmi	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-libpod-stats	1.0.5-5.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-log_logstash	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-mcelog	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-mysql	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-netlink	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-openldap	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-ovs-events	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-ovs-stats	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
collectd-pcie-errors	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-ping	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-pmu	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-procevent	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-python	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-rdt	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-sensors	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-sensubility	0.2.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-smart	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-snmp	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-snmp-agent	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-sysevent	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-turbostat	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-utils	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-virt	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-write_http	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-write_kafka	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
collectd-write_prometheus	5.12.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
cpp-hocon	0.3.0-5.el9ost	<a href="#">RHEA-2023:4577</a>
crudini	0.9.3-4.el9ost	<a href="#">RHEA-2023:4577</a>
dib-utils	0.0.11- 1.20220727110347.51661c3.el9ost	<a href="#">RHEA-2023:4577</a>
dibbler-client	1.0.1-11.el9ost	<a href="#">RHEA-2023:4577</a>

Name	Version	Advisory
dibbler-relay	1.0.1-11.el9ost	<a href="#">RHEA-2023:4577</a>
dibbler-requestor	1.0.1-11.el9ost	<a href="#">RHEA-2023:4577</a>
dibbler-server	1.0.1-11.el9ost	<a href="#">RHEA-2023:4577</a>
diskimage-builder	3.29.1-1.20230424091024.ed9bdf8.el9ost	<a href="#">RHEA-2023:4577</a>
dumb-init	1.2.5-2.el9ost	<a href="#">RHEA-2023:4577</a>
elixir	1.11.3-1.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-asn1	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-compiler	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-crypto	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
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erlang-inets	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-kernel	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-mnesia	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-os_mon	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-parsetools	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
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erlang-runtime_tools	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-sasl	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-snmp	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
erlang-ssl	24.3.4.2-2.el9ost	<a href="#">RHEA-2023:4577</a>
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gnocchi-metricd	4.4.3- 1.20230209190902.60c2b56.el9ost	<a href="#">RHEA-2023:4577</a>
gnocchi-statsd	4.4.3- 1.20230209190902.60c2b56.el9ost	<a href="#">RHEA-2023:4577</a>
golang-github-Sirupsen-logrus-devel	1.1.1-7.el9ost	<a href="#">RHEA-2023:4577</a>
golang-github-davecgh-go-spew-devel	0-0.11.git6d21280.1.el9ost	<a href="#">RHEA-2023:4577</a>
golang-github-go-ini-ini-devel	1.39.3-0.1.gitf55231c.el9ost.2	<a href="#">RHEA-2023:4577</a>
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golang-github-stretchr-objx-devel	0-0.12.git1a9d0bb.1.el9ost.1	<a href="#">RHEA-2023:4577</a>
golang-github-stretchr-testify-devel	1.2.2-3.el9ost.1	<a href="#">RHEA-2023:4577</a>
golang-github-urfave-cli-devel	1.20.0-7.el9ost	<a href="#">RHEA-2023:4577</a>
golang-github-vbatts-tar-split	0.11.1-9.el9ost	<a href="#">RHEA-2023:4577</a>
golang-qpidd-apache	0.33.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
golang-uber-atomic	1.5.1-1.el9ost	<a href="#">RHEA-2023:4577</a>
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heat-cfnutils	1.4.2-6.1.el9ost	<a href="#">RHEA-2023:4577</a>
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octavia-amphora-image-x86_64	17.1-20230802.2.el9ost	<a href="#">RHEA-2023:4579</a>
openpgm	5.2.122-26.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ansible-core	2.14.2-4.1.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-aodh-api	12.0.1-1.20221215060810.9ac090b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-aodh-common	12.0.1-1.20221215060810.9ac090b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-aodh-compat	12.0.1-1.20221215060810.9ac090b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-aodh-evaluator	12.0.1-1.20221215060810.9ac090b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-aodh-expirer	12.0.1-1.20221215060810.9ac090b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-aodh-listener	12.0.1-1.20221215060810.9ac090b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-aodh-notifier	12.0.1-1.20221215060810.9ac090b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-barbican	12.0.3-1.20230515181654.6ee5ad9.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-barbican-api	12.0.3-1.20230515181654.6ee5ad9.el9ost	<a href="#">RHEA-2023:4577</a>

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openstack-barbican-common	12.0.3-1.20230515181654.6ee5ad9.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-barbican-keystone-listener	12.0.3-1.20230515181654.6ee5ad9.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-barbican-worker	12.0.3-1.20230515181654.6ee5ad9.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ceilometer-central	16.0.2-1.20230428061013.7dbb69e.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ceilometer-common	16.0.2-1.20230428061013.7dbb69e.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ceilometer-compute	16.0.2-1.20230428061013.7dbb69e.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ceilometer-ipmi	16.0.2-1.20230428061013.7dbb69e.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ceilometer-notification	16.0.2-1.20230428061013.7dbb69e.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ceilometer-polling	16.0.2-1.20230428061013.7dbb69e.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-cinder	18.2.2-1.20230518161042.36649bd.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-dashboard	19.4.1-1.20230513011020.e70464e.el9ost	<a href="#">RHEA-2023:4577</a>
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openstack-designate-central	12.1.1- 1.20230503161000.48c0609.el9 ost	<a href="#">RHEA-2023:4577</a>
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openstack-designate-mdns	12.1.1- 1.20230503161000.48c0609.el9 ost	<a href="#">RHEA-2023:4577</a>
openstack-designate-producer	12.1.1- 1.20230503161000.48c0609.el9 ost	<a href="#">RHEA-2023:4577</a>
openstack-designate-sink	12.1.1- 1.20230503161000.48c0609.el9 ost	<a href="#">RHEA-2023:4577</a>
openstack-designate-ui	12.0.1- 1.20220910230720.aedd7ec.el9o st	<a href="#">RHEA-2023:4577</a>
openstack-designate-worker	12.1.1- 1.20230503161000.48c0609.el9 ost	<a href="#">RHEA-2023:4577</a>
openstack-glance	22.1.2- 1.20230310130836.883fc8a.el9os t	<a href="#">RHEA-2023:4577</a>
openstack-heat-agents	2.2.1- 1.20220727150309.ed16cc7.el9os t	<a href="#">RHEA-2023:4577</a>
openstack-heat-api	16.1.1- 1.20230416001030.2d5a87d.el9o st	<a href="#">RHEA-2023:4577</a>

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openstack-heat-common	16.1.1- 1.20230416001030.2d5a87d.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-heat-engine	16.1.1- 1.20230416001030.2d5a87d.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-heat-monolith	16.1.1- 1.20230416001030.2d5a87d.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-heat-ui	5.0.1- 1.20221108231052.12d0927.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ironic-api	17.1.1-1.20230128052013.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ironic-common	17.1.1-1.20230128052013.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ironic-conductor	17.1.1-1.20230128052013.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ironic-inspector	10.6.3- 1.20230128051724.9fef41d.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ironic-inspector-dnsmasq	10.6.3- 1.20230128051724.9fef41d.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ironic-python-agent	7.1.1- 1.20230503051000.e1813e1.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ironic-python-agent-builder	2.8.0- 1.20220727182711.e0b51e0.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ironic-staging-drivers	0.15.1- 1.20230408050901.6cd597f.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-ironic-ui	4.3.1- 1.20220727151603.98f31e4.el9ost	<a href="#">RHEA-2023:4577</a>
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openstack-manila-ui	5.1.1-1.20221130040825.db23e83.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-network-scripts	10.11.1-6.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-network-scripts-openvswitch3.1	10.11.1-6.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-bgp-dragent	18.1.1-1.20221108161121.1ba3fb1.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-bigswitch-agent	12.0.3-1.20221014011337.96cf540.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-common	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-dynamic-routing-common	18.1.1-1.20221108161121.1ba3fb1.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-l2gw-agent	18.0.0-1.20220727153805.37f190c.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-linuxbridge	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-macvtap-agent	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-metering-agent	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-ml2	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-openvswitch	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>

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openstack-neutron-ovn-migration-tool	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-rpc-server	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-neutron-sriov-nic-agent	18.6.1-1.20230518200971.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova-api	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova-common	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova-compute	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova-conductor	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova-migration	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova-novncproxy	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova-scheduler	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova-serialproxy	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-nova-spicehtml5proxy	23.2.3-1.20230518170960.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-octavia-amphora-agent	8.0.2-1.20230502161604.99d7e2b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-octavia-api	8.0.2-1.20230502161604.99d7e2b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-octavia-common	8.0.2-1.20230502161604.99d7e2b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-octavia-diskimage-create	8.0.2-1.20230502161604.99d7e2b.el9ost	<a href="#">RHEA-2023:4577</a>

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openstack-octavia-housekeeping	8.0.2-1.20230502161604.99d7e2b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-octavia-ui	7.0.2-1.20230323230826.994011a.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-octavia-worker	8.0.2-1.20230502161604.99d7e2b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-placement-api	5.0.2-1.20221223080751.56d0f5b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-placement-common	5.0.2-1.20221223080751.56d0f5b.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-selinux	0.8.37-1.20221215081212.34c2ecc.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-swift-account	2.27.1-1.20230418181116.f94f6a2.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-swift-container	2.27.1-1.20230418181116.f94f6a2.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-swift-object	2.27.1-1.20230418181116.f94f6a2.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-swift-proxy	2.27.1-1.20230418181116.f94f6a2.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-tempest	33.0.0-1.20230406160852.1580f6f.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-tempest-all	33.0.0-1.20230406160852.1580f6f.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-tripleo-common	15.4.1-1.20230518211054.el9ost	<a href="#">RHEA-2023:4577</a>

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openstack-tripleo-common-containers	15.4.1-1.20230518211054.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-tripleo-common-devtools	15.4.1-1.20230518211054.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-tripleo-heat-templates	14.3.1-1.20230519151020.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-tripleo-image-elements	13.1.3-1.20230322221017.a641940.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-tripleo-puppet-elements	14.1.3-1.20230221221303.23b0079.el9ost	<a href="#">RHEA-2023:4577</a>
openstack-tripleo-validations	14.3.2-1.20230421031001.c768acb.el9ost	<a href="#">RHEA-2023:4577</a>
os-apply-config	13.1.0-1.20220727112728.474068e.el9ost	<a href="#">RHEA-2023:4577</a>
os-collect-config	13.1.0-1.20220727142450.3a7d05a.el9ost	<a href="#">RHEA-2023:4577</a>
os-net-config	14.2.1-1.20230412012160.el9ost	<a href="#">RHEA-2023:4577</a>
os-refresh-config	13.1.0-1.20220727112622.5bb536c.el9ost	<a href="#">RHEA-2023:4577</a>
ovn-bgp-agent	0.4.1-1.20230512001005.el9ost	<a href="#">RHEA-2023:4577</a>
pmu-data	109-3.el9ost	<a href="#">RHEA-2023:4577</a>
pmu-tools	109-3.el9ost	<a href="#">RHEA-2023:4577</a>
puppet	7.10.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-aodh	18.4.2-1.20230131221616.3e47b5a.el9ost	<a href="#">RHEA-2023:4577</a>



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puppet-archive	4.6.1-0.20220708125017.bc7e4ff.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-auditd	2.2.1-1.20220727113245.189b22b.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-barbican	18.4.2-1.20221108083811.af6c77b.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-ceilometer	18.4.3-1.20230505010953.5050368.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-certmonger	2.7.1-0.20220708130814.3e2e660.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-cinder	18.5.2-1.20230127000858.6aa60e7.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-collectd	13.0.1-1.20230413150957.ad138a7.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-concat	6.2.1-0.20220708124348.dfeabb9.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-corosync	8.0.1-0.20220708132338.6a9da9a.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-designate	18.6.1-1.20230131222245.f4c0b89.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-dns	8.2.1-1.20220727161138.70f5b28.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-etcd	1.12.3-0.20220708134753.e143c2d.el9ost	<a href="#">RHEA-2023:4577</a>

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puppet-fdio	18.2- 1.20220727113954.6fd1c8e.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-firewall	3.4.1- 0.20220708230759.94f707c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-git	0.5.0- 0.20220708135559.4e4498e.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-glance	18.6.1- 1.20230128000808.81b081d.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-gnocchi	18.4.3- 1.20230131220859.7584b94.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-haproxy	4.2.2- 0.20220708140119.a797b8c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-headless	7.10.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-heat	18.4.1- 1.20230323231707.3b41bb0.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-horizon	18.6.1- 1.20230423021001.8074e69.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-inifile	4.2.1- 0.20220708124300.df46d2a.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-ipaclient	2.5.2- 0.20220708140214.b086731.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-ironic	18.7.1- 1.20230516021003.edf93f9.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-keepalived	0.0.2- 0.20220708140744.bbca37a.el9ost	<a href="#">RHEA-2023:4577</a>

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puppet-keystone	18.6.1- 1.20230218001345.67ff287.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-kmod	2.5.0- 0.20220708132126.52e31e3.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-manila	18.5.2- 1.20230127001703.a72a7d5.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-memcached	6.0.0- 0.20220708130345.4c70dbd.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-module-data	0.5.1- 0.20220708141002.28dafce.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-mysql	10.6.1- 0.20220708235631.937d044.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-neutron	18.6.1-1.20221226003124.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-nova	18.6.1- 1.20221226002121.65b15ad.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-nssdb	1.0.2- 0.20220708131512.2ed2a2d.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-octavia	18.5.1- 1.20230131223407.842492c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-openstack_extras	18.5.1- 1.20221108091707.504e1a0.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-openstacklib	18.5.2- 1.20221219231920.64d8ac6.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-oslo	18.5.1- 1.20221219231819.fe2a147.el9ost	<a href="#">RHEA-2023:4577</a>
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puppet-pacemaker	1.5.1- 1.20221226003830.7add073.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-placement	5.4.3- 1.20230131222430.e7557a5.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-qdr	7.4.1- 1.20220727114105.8a575de.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-rabbitmq	11.0.1- 1.20230428151021.63fee2c.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-redis	6.1.1- 0.20220708133131.547105e.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-remote	10.0.0- 0.20220708134022.7420908.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-rsync	1.1.4- 0.20220708190404.ea6397e.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-rsyslog	4.0.1- 1.20220727114715.2548a0d.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-snmp	3.9.1- 0.20220708142128.5d73485.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-ssh	6.2.1- 0.20220708131619.6e0f430.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-stdlib	6.3.1- 1.20220808112706.7c1ae25.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-swift	18.6.1- 1.20221219231232.f105ffc.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-sysctl	0.0.13- 0.20220708125726.847ec1c.el9ost	<a href="#">RHEA-2023:4577</a>

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puppet-tripleo	14.2.3-1.20230517011019.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-vcsrepo	3.1.1-0.20220708130257.a36ee18.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-vswitch	14.4.3-1.20221109011054.51e82ca.el9ost	<a href="#">RHEA-2023:4577</a>
puppet-xinetd	3.3.1-0.20220708130858.8d460c4.el9ost	<a href="#">RHEA-2023:4577</a>
python-openstackclient-lang	5.5.2-1.20230404121004.42d9b6e.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-cache-lang	2.7.1-1.20220727180101.d0252f6.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-concurrency-lang	4.4.0-1.20220727123028.7dcf9e9.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-db-lang	8.5.2-1.20221011023028.26fd6fb.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-i18n-lang	5.0.1-1.20220727101232.73187bd.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-log-lang	4.4.0-1.20220727124451.9b29c90.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-middleware-lang	4.2.1-1.20220727173907.b40ca5f.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-policy-lang	3.7.1-1.20220727162742.639b471.el9ost	<a href="#">RHEA-2023:4577</a>

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python-oslo-privsep-lang	2.5.1-1.20230516120959.1634c00.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-utils-lang	4.8.2-1.20230201111008.a38b56a.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-versionedobjects-lang	2.4.1-1.20220727173339.89ff171.el9ost	<a href="#">RHEA-2023:4577</a>
python-oslo-vmware-lang	3.8.2-1.20220810170822.dc1a466.el9ost	<a href="#">RHEA-2023:4577</a>
python-pycadf-common	3.1.1-1.20220727130556.4179996.el9ost	<a href="#">RHEA-2023:4577</a>
python3-GitPython	3.1.14-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-ImcSdk	0.9.6-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic	1.0.1-23.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Angular	1.5.8.0-15.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-XStatic-Angular-FileUpload	12.0.4.0-14.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Angular-Gettext	2.3.8.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Angular-Schema-Form	0.8.13.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Angular-UUID	0.0.4.0-13.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Angular-Vis	4.16.0.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Angular-lrdragndrop	1.0.2.2-20.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-XStatic-D3	3.5.17.0-14.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-FileSaver	1.3.2.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Font-Awesome	4.7.0.0-6.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Hogan	2.0.0.2-21.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-JQuery-Migrate	1.2.1.1-21.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-JQuery-TableSorter	2.14.5.1-21.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-JQuery-quicksearch	2.0.3.1-21.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-JS-Yaml	3.8.1.0-11.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-JSEncrypt	2.3.1.1-13.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Jasmine	2.4.1.1-13.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Json2yaml	0.1.1.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Magic-Search	0.2.5.1-16.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Rickshaw	15.0.0-23.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-Spin	1.2.5.2-22.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-bootswatch	3.3.7.0-15.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-jQuery	1.12.4.1-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-jquery-ui	1.12.0.1-13.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-mdi	1.6.50.2-4.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-objectpath	1.2.1.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-roboto-fontface	0.5.0.0-17.el9ost	<a href="#">RHEA-2023:4577</a>

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python3-XStatic-termjs	0.0.7.0-13.el9ost	<a href="#">RHEA-2023:4577</a>
python3-XStatic-tv4	1.2.7.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-amqp	5.0.6-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-aniso8601	9.0.1-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-ansible-runner	2.0.0a1-3.el9ost	<a href="#">RHEA-2023:4577</a>
python3-anyjson	0.3.3-24.el9ost	<a href="#">RHEA-2023:4577</a>
python3-aodh	12.0.1- 1.20221215060810.9ac090b.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-automaton	2.3.1- 1.20220727174848.4a3e539.el9ost	<a href="#">RHEA-2023:4577</a>
python3-barbican	12.0.3- 1.20230515181654.6ee5ad9.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-barbicanclient	5.3.0- 1.20230509091028.ad49c40.el9ost	<a href="#">RHEA-2023:4577</a>
python3-bcrypt	3.1.7-7.el9ost	<a href="#">RHEA-2023:4577</a>
python3-beautifulsoup4	4.9.3-2.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-boto3	1.17.66-1.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-castellan	3.7.2- 1.20220727133818.3775cf4.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-ceilometermiddleware	2.2.0- 1.20220727144046.caeeb51.el9ost	<a href="#">RHEA-2023:4577</a>
python3-certifi	2020.12.5-2.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-cinder-common	18.2.2- 1.20230518161042.36649bd.el9ost	<a href="#">RHEA-2023:4577</a>
python3-cinder-tests-tempest	1.8.0-1.20230304051243.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-cmd2	1.4.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-collectd-rabbitmq-monitoring	0.0.6-3.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-daiquiri	1.5.0-10.el9ost	<a href="#">RHEA-2023:4577</a>
python3-ddt	1.4.2-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-debtcollector	2.2.0- 1.20220727101232.649189d.el9ost	<a href="#">RHEA-2023:4577</a>
python3-defusedxml	0.7.1-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-designate	12.1.1- 1.20230503161000.48c0609.el9ost	<a href="#">RHEA-2023:4577</a>
python3-designate-tests-tempest	0.15.0- 1.20230211110815.e52be15.el9ost	<a href="#">RHEA-2023:4577</a>
python3-designateclient	4.2.1- 1.20220727201540.7a8d156.el9ost	<a href="#">RHEA-2023:4577</a>
python3-dictdiffer	0.8.1-6.el9ost	<a href="#">RHEA-2023:4577</a>
python3-django	2.2.24-4.el9ost	<a href="#">RHEA-2023:4577</a>
python3-django-appconf	1.0.3-5.el9ost	<a href="#">RHEA-2023:4577</a>
python3-django-compressor	2.4-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-django-debreach	2.0.1-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-django-horizon	19.4.1- 1.20230513011020.e70464e.el9ost	<a href="#">RHEA-2023:4577</a>
python3-django-pyscss	2.0.2-18.el9ost	<a href="#">RHEA-2023:4577</a>

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python3-dracclient	6.0.2-1.20220727161658.f23f125.el9ost	<a href="#">RHEA-2023:4577</a>
python3-edgegrid	1.1.1-10.el9ost	<a href="#">RHEA-2023:4577</a>
python3-etcd3gw	0.2.6-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-eventlet	0.30.2-1.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-fixtures	3.0.0-22.el9ost	<a href="#">RHEA-2023:4577</a>
python3-flake8	3.8.4-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-flask	1.1.2-6.el9ost	<a href="#">RHEA-2023:4577</a>
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python3-future	0.18.2-9.el9ost	<a href="#">RHEA-2023:4577</a>
python3-futurist	2.3.0-1.20220727110826.1alc6f8.el9ost	<a href="#">RHEA-2023:4577</a>
python3-gabbi	2.4.0-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-gevent	21.1.2-1.el9ost	<a href="#">RHEA-2023:4577</a>
python3-gitdb	4.0.5-2.el9ost	<a href="#">RHEA-2023:4577</a>
python3-glance	22.1.2-1.20230310130836.883fc8a.el9ost	<a href="#">RHEA-2023:4577</a>
python3-glance-store	2.5.1-1.20230515171001.5f1cee6.el9ost	<a href="#">RHEA-2023:4577</a>
python3-glance-tests-tempest	0.4.0-1.20230608131140.87df2f4.el9ost	<a href="#">RHEA-2023:4577</a>

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python3-gnocchiclient	7.0.7-0.20220709012622.cad2c27.el9ost	<a href="#">RHEA-2023:4577</a>
python3-google-auth	1.30.0-1.el9ost	<a href="#">RHEA-2023:4577</a>
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xstatic-hogan-common	2.0.0.2-21.el9ost	<a href="#">RHEA-2023:4577</a>
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xstatic-termjs-common	0.0.7.0-13.el9ost	<a href="#">RHEA-2023:4577</a>
xstatic-tv4-common	1.2.7.0-2.el9ost	<a href="#">RHEA-2023:4577</a>
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