Red Hat OpenStack Platform 17.1

软件包清单

Red Hat OpenStack Platform 的软件包列表

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法律通告

摘要

软件包清单提供了此 Red Hat OpenStack Platform 发行版本中所有软件包的列表。

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第 1 章 发行计划

下表列出了 Red Hat OpenStack Platform 17.1 GA 的日期，以及后续每个异步发行版本用于核心组件的日期：

表 1.1. Red Hat OpenStack Platform 17.1 核心组件发行计划

发布	Date
17.1.0 （通用可用性）	2023 年 8 月 17 日

第 2 章 软件包列表

有关软件包设计的详情，请参考
https://access.redhat.com/support/offerings/production/scope_moredetail。

表 2.1. 软件包列表

软件包名称	许可证
ansible-collection-ansible-netcommon	"GPLv3+ 和 BSD 和 Python"
ansible-collection-ansible-posix	"GPLv3+ 和 Python"
ansible-collection-ansible-utils	"GPLv3+"
ansible-collection-community-general	"GPLv3+ 和 BSD 和 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"

软件包名称	许可证
ansible-role-tripleo-modify-image	"ASL 2.0"
ansible-tripleo-ipa	"ASL 2.0"
ansible-tripleo-ipsec	"GPLv3+"
ansible-tripleo-powerflex	"ASL 2.0"
bootwatch-common	"MIT"
bootwatch-fonts	"MIT"
collectd	"MIT 和 GPLv2"
collectd-amqp1	"MIT 和 GPLv2"
collectd-amqp	"MIT 和 GPLv2"
collectd-apache	"MIT 和 GPLv2"
collectd-bind	"MIT 和 GPLv2"
collectd-ceph	"MIT 和 GPLv2"
collectd-chrony	"MIT 和 GPLv2"
collectd-connectivity	"MIT 和 GPLv2"
collectd-curl	"MIT 和 GPLv2"
collectd-curl_json	"MIT 和 GPLv2"
collectd-curl_xml	"MIT 和 GPLv2"
collectd-disk	"MIT 和 GPLv2"
collectd-dns	"MIT 和 GPLv2"
collectd-hugepages	"MIT 和 GPLv2"
collectd-ipmi	"MIT 和 GPLv2"
collectd-libpod-stats	"MIT"
collectd-log_logstash	"MIT 和 GPLv2"

软件包名称	许可证
collectd-mcelog	"MIT 和 GPLv2"
collectd-mysql	"MIT 和 GPLv2"
collectd-netlink	"MIT 和 GPLv2"
collectd-openldap	"MIT 和 GPLv2"
collectd-ovs-events	"MIT 和 GPLv2"
collectd-ovs-stats	"MIT 和 GPLv2"
collectd-pcie-errors	"MIT 和 GPLv2"
collectd-ping	"MIT 和 GPLv2"
collectd-pmu	"MIT 和 GPLv2"
collectd-procevent	"MIT 和 GPLv2"
collectd-python	"MIT 和 GPLv2"
collectd-rdt	"MIT 和 GPLv2"
collectd-sensors	"MIT 和 GPLv2"
collectd-sensubility	"ASL 2.0"
collectd-smart	"MIT 和 GPLv2"
collectd-snmp	"MIT 和 GPLv2"
collectd-snmp-agent	"MIT 和 GPLv2"
collectd-sysevent	"MIT 和 GPLv2"
collectd-turbostat	"MIT 和 GPLv2"
collectd-utils	"MIT 和 GPLv2"
collectd-virt	"MIT 和 GPLv2"
collectd-write_http	"MIT 和 GPLv2"
collectd-write_kafka	"MIT 和 GPLv2"

软件包名称	许可证
collectd-write_prometheus	"MIT 和 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"

软件包名称	许可证
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"
Facter	"ASL 2.0"
fontawesome-fonts	"OFL"
fontawesome-fonts-web	"OFL 和 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"
软件包名称	许可证
golang-github-stretchr-objx-devel	"MIT"
golang-github-stretchr-testify-devel	"MIT"

软件包名称	许可证
golang-github-urfave-cli-devel	"MIT"
golang-github-vbatts-tar-split	"BSD"
golang-qpid-apache	"BSD 和 ASL 2.0"
golang-uber-atomic	"MIT"
golang-uber-multierr	"MIT"
golang-x-sys-devel	"BSD"
heat-cfntools	"ASL 2.0"
hiera	"ASL 2.0"
jevents	"GPLv2 和 BSD"
leatherman	"ASL 2.0 和 MIT"
libcollectdclient	"MIT 和 GPLv2"
liberasurecode	"BSD 和 CRC32"
liboping	"GPLv2"
libsodium	"ISC"
libunwind	"BSD"
libwebsockets	"LGPLv2 和公共域和 BSD 和 MIT 和 zlib"
luajit	"MIT"
mdi-common	"OFL"
mdi-fonts	"OFL"
ndisc6	"GPLv2 或 GPLv3"
novnc	"GPLv3"

软件包名称	许可证
octavia-amphora-image-fips-x86_64	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"
octavia-amphora-image-x86_64	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"
openpgm	"LGPLv2"
openstack-ansible-Core	"GPLv3+"
openstack-aodh-api	"ASL 2.0"
openstack-aodh-common	"ASL 2.0"
openstack-aodh-compat	"ASL 2.0"
openstack-aodh-evaluator	"ASL 2.0"
openstack-aodh-expirer	"ASL 2.0"
openstack-aodh-listener	"ASL 2.0"
openstack-aodh-notifier	"ASL 2.0"
openstack-barbican	"ASL 2.0"

软件包名称	许可证
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 和 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"
openstack-designate-worker	"ASL 2.0"
openstack-glance	"ASL 2.0"

软件包名称	许可证
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"
openstack-network-scripts-openvswitch3.1	"ASL 2.0"
openstack-neutron	"ASL 2.0"

软件包名称	许可证
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"
软件包名称	许可证
openstack-nova-scheduler	"ASL 2.0"
openstack-nova-serialproxy	"ASL 2.0"

软件包名称	许可证
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"
软件包名称	许可证
openstack-tripleo-common-devtools	"ASL 2.0"
openstack-tripleo-heat-templates	"ASL 2.0"

软件包名称	许可证
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 和 BSD"
pmu-tools	"GPLv2 和 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"
puppet-corosync	"ASL 2.0"
puppet-designate	"ASL 2.0"

软件包名称	许可证
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"
puppet-neutron	"ASL 2.0"
puppet-nova	"ASL 2.0"

软件包名称	许可证
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"
puppet-vcsrepo	"GPLv2"
puppet-vswitch	"ASL 2.0"

软件包名称	许可证
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 和公共域和 BSD"
python3-beautifulsoup4	"MIT"
python3-boto	"MIT"
python3-boto3	"ASL 2.0"
python3-botoCore	"ASL 2.0"
python3-bson	"ASL 2.0 和 MIT"
python3-cachetools	"MIT"
python3-castellan	"ASL 2.0"
python3-ceilometer	"ASL 2.0"
python3-ceilometerclient	"ASL 2.0"
python3-ceilometermiddleware	"ASL 2.0"

软件包名称	许可证
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"
python3-designateclient	"ASL 2.0"
python3-designate-tests-tempest	"ASL 2.0"

软件包名称	许可证
python3-dictdiffer	"MIT"
python3-django	"BSD"
python3-django-appconf	"BSD"
python3-django-compressor	"MIT"
python3-django-debreach	"BSD"
python3-django-horizon	"ASL 2.0 和 BSD"
python3-django-pyscss	"BSD"
python3-docutils	"公共域和 BSD 和 Python 和 GPLv3+"
python3-dogpile-cache	"MIT"
python3-dracclient	"ASL 2.0"
python3-edgegrid	"ASL 2.0"
python3-etcd3gw	"ASL 2.0"
python3-eventlet	"MIT 和 ISC"
python3-extras	"MIT"
python3-fasteners	"ASL 2.0"
python3-fixtures	"ASL 2.0 或 BSD"
python3-flake8	"MIT"
python3-flask	"BSD"
python3-flask-restful	"BSD"
python3-future	"MIT"
python3-futurist	"ASL 2.0"
python3-gabbi	"ASL 2.0"
python3-gevent	"MIT"

软件包名称	许可证
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"
python3-heatclient	"ASL 2.0"
python3-heat-tests-tempest	"ASL 2.0"

软件包名称	许可证
python3-hpack	"MIT"
python3-httpCore	"BSD"
python3-httplib2	"MIT"
python3-httpx	"BSD"
python3-hyperframe	"MIT"
python3-ifaddr	"MIT"
python3-ImcSdk	"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"
python3-junitxml	"LGPLv3"
python3-jwt	"MIT"

软件包名称	许可证
python3-kazoo	"ASL 2.0"
python3-kerberos	"ASL 2.0"
python3-keyring	"MIT 和 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 和 Python"
python3-kubernetes	"ASL 2.0"
python3-ldap3	"LGPLv2+"
python3-ldappool	"MPLv1.1 和 GPLv2+ 和 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"
python3-memcached	"Python"
python3-metalsmith	"ASL 2.0"

软件包名称	许可证
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"
python3-neutron	"ASL 2.0"
python3-neutronclient	"ASL 2.0"

软件包名称	许可证
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"
python3-oslo-cache	"ASL 2.0"
python3-oslo-concurrency	"ASL 2.0"

软件包名称	许可证
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"
python3-os-testr	"ASL 2.0"
python3-os-traits	"ASL 2.0"

软件包名称	许可证
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 和 Beerware 和 Copyright 仅"
python3-paste	"MIT 和 ZPLv2.0 和 Python 和(AFL 或 MIT)和(MIT 或 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"
python3-pyeclib	"BSD"
python3-pyflakes	"MIT"

软件包名称	许可证
python3-pymemcache	"ASL 2.0"
python3-pymongo	"ASL 2.0 和 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-qpid-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"
python3-rfc3986	"ASL 2.0"
python3-rfc3986+idna2008	"ASL 2.0"

软件包名称	许可证
python3-rhosp-openvswitch	"公共域"
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-clib	"MIT"
python3-s3transfer	"ASL 2.0"
python3-saharaclient	"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 或 AFL)和 (MIT 或 GPLv2)
python3-smi	"BSD"
python3-smmap	"BSD"
python3-sniffio	"MIT 或 ASL 2.0"
python3-soupsieve	"MIT"

软件包名称	许可证
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 或 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"
软件包名称	许可证
python3-tempita	"MIT"
python3-tenacity	"ASL 2.0"

软件包名称	许可证
python3-testscenarios	"ASL 2.0 和 BSD"
python3-testtools	"MIT"
python3-tinyrpc	"MIT"
python3-tooz	"ASL 2.0"
python3-tripleoclient	"ASL 2.0"
python3-tripleo-common	"ASL 2.0"
python3-trollius	"ASL 2.0"
python3-troveclient	"ASL 2.0"
python3-ujson	"BSD"
python3-validations-libs	"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"
python3-wsgi_intercept	"MIT"
python3-wsme	"MIT"

软件包名称	许可证
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-lrdragndrop	"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-bootswatch	"MIT"
python3-XStatic-D3	"BSD"
python3-XStatic-FileSaver	"MIT"
python3-XStatic-Font-Awesome	"OFL 和 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"
python3-XStatic-jquery-ui	"CC0"
python3-XStatic-JSEncrypt	"MIT"

软件包名称	许可证
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	"公共域"
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"
python-openstackclient-lang	"ASL 2.0"
python-oslo-cache-lang	"ASL 2.0"

软件包名称	许可证
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"
rhosp-director-images	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"

软件包名称	许可证
rhosp-director-images-all	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"
rhosp-director-images-base	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"
rhosp-director-images-fips-x86_64	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"

软件包名称	许可证
rhosp-director-images-ipa-fips-x86_64	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3)和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及(GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不允许修改，SISSL 和 Vim 和 zlib"
rhosp-director-images-ipa-x86_64	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3)和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及(GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不允许修改，SISSL 和 Vim 和 zlib"
rhosp-director-images-metadata	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3)和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及(GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不允许修改，SISSL 和 Vim 和 zlib"

软件包名称	许可证
rhosp-director-images-minimal	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"
rhosp-director-images-minimal-fips	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"
rhosp-director-images-multirhel-x86_64	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"

软件包名称	许可证
rhosp-director-images-uefi-fips-x86_64	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"
rhosp-director-images-uefi-x86_64	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"
rhosp-director-images-x86_64	"AFL 和 BSD 和(BSD 或 GPLv2+)和 BSD，带广告和 Boost 和 GFDL 和 GPL+ 和 (GPL+ 或 Artistic)和 GPLv1+ 和 GPLv2 和 GPLv2 以及(GPLv2 或 GPLv3) 和 GPLv2 带有例外和 GPLv2+ 和 GPLv2+ 以及 (GPLv2+ 或 AFL)和 GPLv2+ 带有例外 和 GPLv3 和 GPLv3+ 和 GPLv3+ 带有例外、IJG 和 ISC 和 LGPLv2+ 和 LGPLv2+ 和(LGPLv2+ 或 BSD)和 LGPLv2+，以及 LGPLv2+ 带有例外和 LGPLv2/GPLv2 和 LGPLv3+ 和 LGPLv3+ 和 MIT 和 (MIT 或 LGPLv2+ 或 BSD)和(MPLv1.1 或 GPLv2+)和 LGPLv2+ 或 LGPLv2+）和 Open Publication 和 OpenLDAP 和 OpenSSL 以及公共域和 Python 以及 (Python 或 ZPLv2.0)和 Rdisc 和 Redistributable。不 允许修改，SISSL 和 Vim 和 zlib"
rhosp-network-scripts-openvswitch	"公共域"
rhosp-openvswitch	"公共域"
rhosp-ovn	"公共域"

软件包名称	许可证
rhosp-ovn-central	"公共域"
rhosp-ovn-host	"公共域"
rhosp-ovn-vtep	"公共域"
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+ 或 Artistic 或 MIT)和(GPLv2+ 或 Artistic 或 Ruby 或 BSD)和(Artistic 或 Ruby 或 BSD) "
rubygem-fast_gettext	"MIT 和(BSD 或 Ruby)和(LGPLv2+ 或 BSD 或 Ruby) "
rubygem-hocon	"ASL 2.0"
rubygem-multi_json	"MIT"
rubygem-puppet-resource_api	"ASL 2.0"
rubygem-ruby-shadow	"公共域"
rubygem-semantic_puppet	"ASL 2.0"
rubygem-set	"BSD-2-Clause"
subunit-filters	"ASL 2.0 或 BSD"
sysbench	"GPLv2+"
tripleo-ansible	"ASL 2.0"
tripleo-operator-ansible	"ASL 2.0"

软件包名称	许可证
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"
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-jsencrypt-common	"MIT"
xstatic-json2yaml-common	"MIT"
xstatic-js-yaml-common	"MIT"
xstatic-Magic-Search-common	"ASL 2.0"

软件包名称	许可证
xstatic-objectpath-common	"MIT"
xstatic-rickshaw-common	"MIT"
xstatic-smart-table-common	"MIT"
xstatic-spin-common	"MIT"
xstatic-termjs-common	"MIT"
xstatic-tv4-common	"公共域"
yaml-cpp	"MIT"
zeromq	"LGPLv3+"
ansible-collection-ansible-netcommon	"GPLv3+ 和 BSD 和 Python"
ansible-collection-ansible-posix	"GPLv3+ 和 Python"
ansible-collection-ansible-utils	"GPLv3+"
ansible-collection-community-general	"GPLv3+ 和 BSD 和 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"

软件包名称	许可证
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 和 GPLv2"
collectd-amqp1	"MIT 和 GPLv2"
collectd-apache	"MIT 和 GPLv2"
collectd-bind	"MIT 和 GPLv2"
collectd-ceph	"MIT 和 GPLv2"
collectd-chrony	"MIT 和 GPLv2"
collectd-connectivity	"MIT 和 GPLv2"
collectd-curl	"MIT 和 GPLv2"
collectd-curl_json	"MIT 和 GPLv2"
collectd-curl_xml	"MIT 和 GPLv2"
collectd-disk	"MIT 和 GPLv2"
collectd-dns	"MIT 和 GPLv2"
collectd-generic-jmx	"MIT 和 GPLv2"
collectd-hugepages	"MIT 和 GPLv2"
collectd-ipmi	"MIT 和 GPLv2"
collectd-iptables	"MIT 和 GPLv2"

软件包名称	许可证
collectd-libpod-stats	"MIT"
collectd-log_logstash	"MIT 和 GPLv2"
collectd-mcelog	"MIT 和 GPLv2"
collectd-mysql	"MIT 和 GPLv2"
collectd-netlink	"MIT 和 GPLv2"
collectd-openldap	"MIT 和 GPLv2"
collectd-ovs-events	"MIT 和 GPLv2"
collectd-ovs-stats	"MIT 和 GPLv2"
collectd-pcie-errors	"MIT 和 GPLv2"
collectd-ping	"MIT 和 GPLv2"
collectd-pmu	"MIT 和 GPLv2"
collectd-procevent	"MIT 和 GPLv2"
collectd-python	"MIT 和 GPLv2"
collectd-rdt	"MIT 和 GPLv2"
collectd-sensors	"MIT 和 GPLv2"
collectd-sensubility	"ASL 2.0"
collectd-smart	"MIT 和 GPLv2"
collectd-snmp	"MIT 和 GPLv2"
collectd-snmp-agent	"MIT 和 GPLv2"
collectd-sysevent	"MIT 和 GPLv2"
collectd-turbostat	"MIT 和 GPLv2"
collectd-utils	"MIT 和 GPLv2"
collectd-virt	"MIT 和 GPLv2"

软件包名称	许可证
collectd-write_http	"MIT 和 GPLv2"
collectd-write_kafka	"MIT 和 GPLv2"
collectd-write_prometheus	"MIT 和 GPLv2"
cpp-hocon	"ASL 2.0"
crudini	"GPLv2"
dib-utils	"ASL 2.0"
diskimage-builder	"ASL 2.0"
double-conversion	"BSD"
dumb-init	"MIT"
Facter	"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"
golang-github-urfave-cli-devel	"MIT"
golang-github-vbatts-tar-split	"BSD"
golang-qpid-apache	"BSD 和 ASL 2.0"
golang-uber-atomic	"MIT"
golang-uber-multierr	"MIT"

软件包名称	许可证
golang-x-sys-devel	"BSD"
heat-cfntools	"ASL 2.0"
hiera	"ASL 2.0"
leapp-repository-openstack	"ASL 2.0"
leatherman	"ASL 2.0 和 MIT"
libcollectdclient	"MIT 和 GPLv2"
liboping	"GPLv2"
libqhull	"Qhull"
libsodium	"ISC"
libzstd	"BSD 和 GPLv2"
openstack-heat-agents	"ASL 2.0"
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"
软件包名称	许可证
openstack-tripleo-common	"ASL 2.0"
openstack-tripleo-common-container-base	"ASL 2.0"

软件包名称	许可证
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 和 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"
puppet-corosync	"ASL 2.0"

软件包名称	许可证
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"
puppet-neutron	"ASL 2.0"

软件包名称	许可证
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"
puppet-vcsrepo	"GPLv2"

软件包名称	许可证
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 和公共域和 BSD"
python3-beautifulsoup4	"MIT"
python3-boto	"MIT"
python3-cachetools	"MIT"
python3-castellan	"ASL 2.0"
python3-cffi	"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"

软件包名称	许可证
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"
python3-editor	"ASL 2.0"
python3-entrypoints	"MIT"
python3-etcd3gw	"ASL 2.0"
python3-eventlet	"MIT 和 ISC"
python3-extras	"MIT"
python3-fasteners	"ASL 2.0"
python3-fixtures	"ASL 2.0 或 BSD"
python3-flake8	"MIT"
python3-future	"MIT"
python3-futurist	"ASL 2.0"
python3-gitdb	"BSD"
python3-GitPython	"BSD"

软件包名称	许可证
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"
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 和 Python"
python3-keystoneauth1	"ASL 2.0"
python3-keystoneclient	"ASL 2.0"
python3-keystonemiddleware	"ASL 2.0"

软件包名称	许可证
python3-kiwisolver	"BSD"
python3-kombu	"BSD 和 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 和 MIT"
python3-matplotlib-data	"python 和 MIT"
python3-matplotlib-data-fonts	"OFL 和 Bitstream Vera 和公共域"
python3-matplotlib-tk	"python 和 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"

软件包名称	许可证
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 和 Python 和 ASL 2.0"
python3-octaviaclient	"ASL 2.0"
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"
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"

软件包名称	许可证
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"
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 或 ASL 2.0"
python3-paramiko	"LGPLv2+"
python3-passlib	"BSD 和 Beerware 和 Copyright 仅"

软件包名称	许可证
python3-paste	"MIT 和 ZPLv2.0 和 Python 和(AFL 或 MIT)和(MIT 或 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"
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"

软件包名称	许可证
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	"公共域"
python3-routes	"BSD"
python3-rsa	"ASL 2.0"
python3-saharaclient	"ASL 2.0"
python3-secretstorage	"BSD"
python3-setproctitle	"BSD"
python3-shade	"ASL 2.0"
python3-simplegeneric	"Python or ZPLv2.1"
python3-simplejson	" (MIT 或 AFL)和 (MIT 或 GPLv2)
python3-six	"MIT"
python3-smmap	"BSD"
python3-soupsieve	"MIT"
python3-sqlalchemy-collectd	"MIT"
python3-sqlparse	"BSD"
python3-statsd	"MIT"
python3-stestr	"ASL 2.0"
python3-stevedore	"ASL 2.0"

软件包名称	许可证
python3-subunit	"ASL 2.0 或 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 和 BSD"
python3-testtools	"MIT"
python3-tinyrpc	"MIT"
python3-tooz	"ASL 2.0"
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-libs	"ASL 2.0"
python3-vine	"BSD"
python3-voluptuous	"BSD"
python3-waitress	"ZPLv2.1"

软件包名称	许可证
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"
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"

软件包名称	许可证
python-pycadf-common	"ASL 2.0"
qpid-proton-c	"ASL 2.0"
qpid-proton-c-devel	"ASL 2.0"
rhosp-network-scripts-openvswitch	"公共域"
rhosp-openvswitch	"公共域"
rhosp-release	"GPLv2"
ruby-augeas	"LGPLv2+"
ruby-facter	"ASL 2.0"
rubygem-concurrent-ruby	"MIT"
rubygem-deep_merge	"MIT"
rubygem-fast_gettext	"MIT 和(BSD 或 Ruby)和(LGPLv2+ 或 BSD 或 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	"公共域"
subunit-filters	"ASL 2.0 或 BSD"
tripleo-ansible	"ASL 2.0"
validations-common	"ASL 2.0"
yaml-cpp	"MIT"
zstd	"BSD 和 GPLv2"

第 3 章 RED HAT OPENSTACK PLATFORM 17.1

本节概述了 Red Hat OpenStack Platform 17.1.0 发行的每个软件仓库中提供的软件包。

3.1. RED HAT OPENSTACK PLATFORM 17 TOOLS FOR RHEL 9 X86_64 (RPMS)

下表概述了 **openstack-17-tools-for-rhel-9-x86_64-rpms** 存储库中包含的软件包。

表 3.1. Red Hat OpenStack Platform 17 Tools for RHEL 9 x86_64 (RPMs) Packages

Name	版本	公告
ansible-collections-openstack	1.9.1-1.20230420061007.0e9a6f2.el9ost	RHEA-2023:4577
openstack-ansible-core	2.14.2-4.1.el9ost	RHEA-2023:4577
python-openstackclient-lang	5.5.2-1.20230404121004.42d9b6e.el9ost	RHEA-2023:4577
python-oslo-concurrency-lang	4.4.0-1.20220727123028.7dcf9e9.el9ost	RHEA-2023:4577
python-oslo-i18n-lang	5.0.1-1.20220727101232.73187bd.el9ost	RHEA-2023:4577
python-oslo-log-lang	4.4.0-1.20220727124451.9b29c90.el9ost	RHEA-2023:4577
python-oslo-middleware-lang	4.2.1-1.20220727173907.b40ca5f.el9ost	RHEA-2023:4577
python-oslo-utils-lang	4.8.2-1.20230201111008.a38b56a.el9ost	RHEA-2023:4577
python3-amqp	5.0.6-2.el9ost	RHEA-2023:4577
python3-aodhclient	2.2.0-1.20221118091109.b747ae3.el9ost	RHEA-2023:4577
python3-barbicanclient	5.3.0-1.20230509091028.ad49c40.el9ost	RHEA-2023:4577

Name	版本	公告
python3-cachetools	4.2.2-1.el9ost	RHEA-2023:4577
python3-cinderclient	7.4.1-1.20220727131518.4f72e6f.el9ost	RHEA-2023:4577
python3-cliff	3.7.0-1.20220727105718.117a100.el9ost	RHEA-2023:4577
python3-cmd2	1.4.0-2.el9ost	RHEA-2023:4577
python3-colorama	0.4.4-2.el9ost	RHEA-2023:4577
python3-debtcollector	2.2.0-1.20220727101232.649189d.el9ost	RHEA-2023:4577
python3-designateclient	4.2.1-1.20220727201540.7a8d156.el9ost	RHEA-2023:4577
python3-dogpile-cache	1.1.5-3.el9ost	RHEA-2023:4577
python3-eventlet	0.30.2-1.el9ost	RHEA-2023:4577
python3-extras	1.0.0-15.el9ost	RHEA-2023:4577
python3-fasteners	0.14.1-24.el9ost	RHEA-2023:4577
python3-fixtures	3.0.0-22.el9ost	RHEA-2023:4577
python3-futurist	2.3.0-1.20220727110826.1a1c6f8.el9ost	RHEA-2023:4577
python3-glanceclient	3.3.0-1.20221115171215.f802c71.el9ost	RHEA-2023:4577
python3-gnocchiclient	7.0.7-0.20220709012622.cad2c27.el9ost	RHEA-2023:4577
python3-heatclient	2.3.1-1.20220727182401.d16c245.el9ost	RHEA-2023:4577
python3-importlib-metadata	1.7.0-1.el9ost	RHEA-2023:4577

Name	版本	公告
python3-ironicclient	4.6.4-1.20221027060745.09b78fa.el9ost	RHEA-2023:4577
python3-iso8601	0.1.12-3.el9ost	RHEA-2023:4577
python3-jeepney	0.6.0-2.el9ost	RHEA-2023:4577
python3-jmespath	0.10.0-1.el9ost	RHEA-2023:4577
python3-keyring	21.8.0-2.el9ost	RHEA-2023:4577
python3-keystoneauth1	4.4.0-1.20220727120523.112bcae.el9ost	RHEA-2023:4577
python3-keystoneclient	4.3.0-1.20220727214928.d5cb761.el9ost	RHEA-2023:4577
python3-kombu	5.0.2-1.el9ost	RHEA-2023:4577
python3-manilaclient	2.6.4-1.20220727212635.7f7d7d3.el9ost	RHEA-2023:4577
python3-mimeparse	1.6.0-16.el9ost	RHEA-2023:4577
python3-monotonic	1.5-9.el9ost	RHEA-2023:4577
python3-msgpack	1.0.2-2.el9ost	RHEA-2023:4577
python3-munch	2.5.0-4.el9ost	RHEA-2023:4577
python3-neutronclient	7.3.1-1.20221110061234.29a9f5e.el9ost	RHEA-2023:4577
python3-novaclient	17.4.1-1.20220917060716.5ee4427.el9ost	RHEA-2023:4577
python3-octaviaclient	2.3.1-1.20220727132450.51347bc.el9ost	RHEA-2023:4577
python3-openstackclient	5.5.2-1.20230404121004.42d9b6e.el9ost	RHEA-2023:4577

Name	版本	公告
python3-openstacksdk	0.55.1-1.20220727183533.f09ed4a.el9ost	RHEA-2023:4577
python3-os-client-config	2.1.0-1.20220727121556.bc96c23.el9ost	RHEA-2023:4577
python3-os-service-types	1.7.0-1.20220727115532.0b2f473.el9ost	RHEA-2023:4577
python3-osc-lib	2.3.1-1.20220727122302.2b7a679.el9ost	RHEA-2023:4577
python3-osc-placement	2.2.0-1.20220727145337.f7640c9.el9ost	RHEA-2023:4577
python3-oslo-concurrency	4.4.0-1.20220727123028.7dcf9e9.el9ost	RHEA-2023:4577
python3-oslo-config	8.5.1-1.20220727120157.de1dbee.el9ost	RHEA-2023:4577
python3-oslo-context	3.2.1-1.20220727123754.b124eb7.el9ost	RHEA-2023:4577
python3-oslo-i18n	5.0.1-1.20220727101232.73187bd.el9ost	RHEA-2023:4577
python3-oslo-log	4.4.0-1.20220727124451.9b29c90.el9ost	RHEA-2023:4577
python3-oslo-messaging	12.7.3-1.20221212170855.5d6fd1a.el9ost	RHEA-2023:4577
python3-oslo-middleware	4.2.1-1.20220727173907.b40ca5f.el9ost	RHEA-2023:4577
python3-oslo-serialization	4.1.1-1.20220727174213.bbe5d5a.el9ost	RHEA-2023:4577

Name	版本	公告
python3-oslo-service	2.5.1-1.20220727163421.c1e3398.el9ost	RHEA-2023:4577
python3-oslo-utils	4.8.2-1.20230201111008.a38b56a.el9ost	RHEA-2023:4577
python3-osprofiler	3.4.0-1.20220727135110.5d82a02.el9ost	RHEA-2023:4577
python3-paste	3.5.0-3.el9ost	RHEA-2023:4577
python3-paste-deploy	2.1.1-2.el9ost	RHEA-2023:4577
python3-pbr	5.5.1-2.el9ost	RHEA-2023:4577
python3-pyOpenSSL	20.0.1-2.el9ost	RHEA-2023:4577
python3-pyperclip	1.8.0-3.el9ost	RHEA-2023:4577
python3-repoze-lru	0.7-10.el9ost	RHEA-2023:4577
python3-requestsexceptions	1.4.0-1.20220727101907.d7ac0ff.el9ost	RHEA-2023:4577
python3-rfc3986	1.4.0-5.el9ost	RHEA-2023:4577
python3-routes	2.4.1-12.el9ost	RHEA-2023:4577
python3-saharaclient	3.3.0-1.20220727141925.401e663.el9ost	RHEA-2023:4577
python3-secretstorage	3.3.1-1.el9ost	RHEA-2023:4577
python3-simplejson	3.17.2-4.el9ost	RHEA-2023:4577
python3-statsd	3.2.1-16.el9ost	RHEA-2023:4577
python3-stevedore	3.3.3-1.20221025061318.7b48fff.el9ost	RHEA-2023:4577
python3-swiftclient	3.11.1-1.20220727122947.06b36ae.el9ost	RHEA-2023:4577
python3-tempita	0.5.1-25.el9ost	RHEA-2023:4577

Name	版本	公告
python3-testtools	2.4.0-8.el9ost	RHEA-2023:4577
python3-ujson	4.0.2-1.el9ost	RHEA-2023:4577
python3-vine	5.0.0-3.el9ost	RHEA-2023:4577
python3-warlock	1.3.3-5.el9ost	RHEA-2023:4577
python3-webob	1.8.7-1.el9ost	RHEA-2023:4577
python3-wrapt	1.12.1-4.el9ost	RHEA-2023:4577
python3-yappi	1.3.1-2.el9ost	RHEA-2023:4577
python3-zipp	3.4.0-1.el9ost	RHEA-2023:4577

3.2. RED HAT OPENSTACK PLATFORM 17.1 DIRECTOR DEPLOYMENT TOOLS FOR RHEL 9 X86_64 (RPMS)

下表概述了 **openstack-17.1-deployment-tools-for-rhel-9-x86_64-rpms** 存储库中包含的软件包。

表 3.2. Red Hat OpenStack Platform 17.1 Director Deployment Tools for RHEL 9 x86_64 (RPMs) Packages

Name	版本	公告
ansible-pacemaker	1.0.4-1.20221026101409.7c10fdb.el9ost	RHEA-2023:4577
cpp-hocon	0.3.0-5.el9ost	RHEA-2023:4577
crudini	0.9.3-4.el9ost	RHEA-2023:4577
dib-utils	0.0.11-1.20220727110347.51661c3.el9ost	RHEA-2023:4577
Facter	3.14.19-1.el9ost	RHEA-2023:4577
heat-cfntools	1.4.2-6.1.el9ost	RHEA-2023:4577
hiera	3.6.0-4.el9ost	RHEA-2023:4577
leatherman	1.12.6-3.el9ost	RHEA-2023:4577
openstack-ansible-core	2.14.2-4.1.el9ost	RHEA-2023:4577

Name	版本	公告
openstack-heat-agents	2.2.1-1.20220727150309.ed16cc7.el9ost	RHEA-2023:4577
openstack-network-scripts	10.11.1-6.el9ost	RHEA-2023:4577
openstack-selinux	0.8.37-1.20221215081212.34c2ecc.el9ost	RHEA-2023:4577
os-apply-config	13.1.0-1.20220727112728.474068e.el9ost	RHEA-2023:4577
os-collect-config	13.1.0-1.20220727142450.3a7d05a.el9ost	RHEA-2023:4577
os-net-config	14.2.1-1.20230412012160.el9ost	RHEA-2023:4577
os-refresh-config	13.1.0-1.20220727112622.5bb536c.el9ost	RHEA-2023:4577
puppet	7.10.0-2.el9ost	RHEA-2023:4577
puppet-aodh	18.4.2-1.20230131221616.3e47b5a.el9ost	RHEA-2023:4577
puppet-apache	6.5.2-0.20220708185123.e4a1532.el9ost	RHEA-2023:4577
puppet-archive	4.6.1-0.20220708125017.bc7e4ff.el9ost	RHEA-2023:4577
puppet-auditd	2.2.1-1.20220727113245.189b22b.el9ost	RHEA-2023:4577
puppet-barbican	18.4.2-1.20221108083811.af6c77b.el9ost	RHEA-2023:4577
puppet-ceilometer	18.4.3-1.20230505010953.5050368.el9ost	RHEA-2023:4577
puppet-certmonger	2.7.1-0.20220708130814.3e2e660.el9ost	RHEA-2023:4577

Name	版本	公告
puppet-cinder	18.5.2-1.20230127000858.6aa60e7.el9ost	RHEA-2023:4577
puppet-collectd	13.0.1-1.20230413150957.ad138a7.el9ost	RHEA-2023:4577
puppet-concat	6.2.1-0.20220708124348.dfeabb9.el9ost	RHEA-2023:4577
puppet-corosync	8.0.1-0.20220708132338.6a9da9a.el9ost	RHEA-2023:4577
puppet-designate	18.6.1-1.20230131222245.f4c0b89.el9ost	RHEA-2023:4577
puppet-dns	8.2.1-1.20220727161138.70f5b28.el9ost	RHEA-2023:4577
puppet-etcd	1.12.3-0.20220708134753.e143c2d.el9ost	RHEA-2023:4577
puppet-fdio	18.2-1.20220727113954.6fd1c8e.el9ost	RHEA-2023:4577
puppet-firewall	3.4.1-0.20220708230759.94f707c.el9ost	RHEA-2023:4577
puppet-git	0.5.0-0.20220708135559.4e4498e.el9ost	RHEA-2023:4577
puppet-glance	18.6.1-1.20230128000808.81b081d.el9ost	RHEA-2023:4577
puppet-gnocchi	18.4.3-1.20230131220859.7584b94.el9ost	RHEA-2023:4577

Name	版本	公告
puppet-haproxy	4.2.2-0.20220708140119.a797b8c.el9ost	RHEA-2023:4577
puppet-headless	7.10.0-2.el9ost	RHEA-2023:4577
puppet-heat	18.4.1-1.20230323231707.3b41bb0.el9ost	RHEA-2023:4577
puppet-horizon	18.6.1-1.20230423021001.8074e69.el9ost	RHEA-2023:4577
puppet-inifile	4.2.1-0.20220708124300.df46d2a.el9ost	RHEA-2023:4577
puppet-ipaclient	2.5.2-0.20220708140214.b086731.el9ost	RHEA-2023:4577
puppet-ironic	18.7.1-1.20230516021003.edf93f9.el9ost	RHEA-2023:4577
puppet-keepalived	0.0.2-0.20220708140744.bbca37a.el9ost	RHEA-2023:4577
puppet-keystone	18.6.1-1.20230218001345.67ff287.el9ost	RHEA-2023:4577
puppet-kmod	2.5.0-0.20220708132126.52e31e3.el9ost	RHEA-2023:4577
puppet-manila	18.5.2-1.20230127001703.a72a7d5.el9ost	RHEA-2023:4577
puppet-memcached	6.0.0-0.20220708130345.4c70dbd.el9ost	RHEA-2023:4577

Name	版本	公告
puppet-module-data	0.5.1-0.20220708141002.28dafce.el9ost	RHEA-2023:4577
puppet-mysql	10.6.1-0.20220708235631.937d044.el9ost	RHEA-2023:4577
puppet-neutron	18.6.1-1.20221226003124.el9ost	RHEA-2023:4577
puppet-nova	18.6.1-1.20221226002121.65b15ad.el9ost	RHEA-2023:4577
puppet-nssdb	1.0.2-0.20220708131512.2ed2a2d.el9ost	RHEA-2023:4577
puppet-octavia	18.5.1-1.20230131223407.842492c.el9ost	RHEA-2023:4577
puppet-openstack_extras	18.5.1-1.20221108091707.504e1a0.el9ost	RHEA-2023:4577
puppet-openstacklib	18.5.2-1.20221219231920.64d8ac6.el9ost	RHEA-2023:4577
puppet-oslo	18.5.1-1.20221219231819.fe2a147.el9ost	RHEA-2023:4577
puppet-ovn	18.6.1-1.20230413011101.7805f7e.el9ost	RHEA-2023:4577
puppet-pacemaker	1.5.1-1.20221226003830.7add073.el9ost	RHEA-2023:4577
puppet-placement	5.4.3-1.20230131222430.e7557a5.el9ost	RHEA-2023:4577
puppet-qdr	7.4.1-1.20220727114105.8a575de.el9ost	RHEA-2023:4577
puppet-rabbitmq	11.0.1-1.20230428151021.63fee2c.el9ost	RHEA-2023:4577

Name	版本	公告
puppet-redis	6.1.1-0.20220708133131.547105e.el9ost	RHEA-2023:4577
puppet-remote	10.0.0-0.20220708134022.7420908.el9ost	RHEA-2023:4577
puppet-rsync	1.1.4-0.20220708190404.ea6397e.el9ost	RHEA-2023:4577
puppet-rsyslog	4.0.1-1.20220727114715.2548a0d.el9ost	RHEA-2023:4577
puppet-snmp	3.9.1-0.20220708142128.5d73485.el9ost	RHEA-2023:4577
puppet-ssh	6.2.1-0.20220708131619.6e0f430.el9ost	RHEA-2023:4577
puppet-stdlib	6.3.1-1.20220808112706.7c1ae25.el9ost	RHEA-2023:4577
puppet-swift	18.6.1-1.20221219231232.f105ffc.el9ost	RHEA-2023:4577
puppet-sysctl	0.0.13-0.20220708125726.847ec1c.el9ost	RHEA-2023:4577
puppet-systemd	2.12.1-0.20220708133123.8f68b0d.el9ost	RHEA-2023:4577
puppet-tripleo	14.2.3-1.20230517011019.el9ost	RHEA-2023:4577
puppet-vcsrepo	3.1.1-0.20220708130257.a36ee18.el9ost	RHEA-2023:4577
puppet-vswitch	14.4.3-1.20221109011054.51e82ca.el9ost	RHEA-2023:4577

Name	版本	公告
puppet-xinetd	3.3.1-0.20220708130858.8d460c4.el9ost	RHEA-2023:4577
python-oslo-concurrency-lang	4.4.0-1.20220727123028.7dcf9e9.el9ost	RHEA-2023:4577
python-oslo-i18n-lang	5.0.1-1.20220727101232.73187bd.el9ost	RHEA-2023:4577
python-oslo-log-lang	4.4.0-1.20220727124451.9b29c90.el9ost	RHEA-2023:4577
python-oslo-utils-lang	4.8.2-1.20230201111008.a38b56a.el9ost	RHEA-2023:4577
python3-anyjson	0.3.3-24.el9ost	RHEA-2023:4577
python3-boto	2.45.0-7.1.el9ost	RHEA-2023:4577
python3-cliff	3.7.0-1.20220727105718.117a100.el9ost	RHEA-2023:4577
python3-cmd2	1.4.0-2.el9ost	RHEA-2023:4577
python3-colorama	0.4.4-2.el9ost	RHEA-2023:4577
python3-debtcollector	2.2.0-1.20220727101232.649189d.el9ost	RHEA-2023:4577
python3-dogpile-cache	1.1.5-3.el9ost	RHEA-2023:4577
python3-eventlet	0.30.2-1.el9ost	RHEA-2023:4577
python3-fasteners	0.14.1-24.el9ost	RHEA-2023:4577
python3-heat-agent	2.2.1-1.20220727150309.ed16cc7.el9ost	RHEA-2023:4577
python3-heat-agent-ansible	2.2.1-1.20220727150309.ed16cc7.el9ost	RHEA-2023:4577

Name	版本	公告
python3-heat-agent-apply-config	2.2.1-1.20220727150309.ed16cc7.el9ost	RHEA-2023:4577
python3-heat-agent-docker-cmd	2.2.1-1.20220727150309.ed16cc7.el9ost	RHEA-2023:4577
python3-heat-agent-hiera	2.2.1-1.20220727150309.ed16cc7.el9ost	RHEA-2023:4577
python3-heat-agent-json-file	2.2.1-1.20220727150309.ed16cc7.el9ost	RHEA-2023:4577
python3-heat-agent-puppet	2.2.1-1.20220727150309.ed16cc7.el9ost	RHEA-2023:4577
python3-heatclient	2.3.1-1.20220727182401.d16c245.el9ost	RHEA-2023:4577
python3-importlib-metadata	1.7.0-1.el9ost	RHEA-2023:4577
python3-iso8601	0.1.12-3.el9ost	RHEA-2023:4577
python3-jeepney	0.6.0-2.el9ost	RHEA-2023:4577
python3-jmespath	0.10.0-1.el9ost	RHEA-2023:4577
python3-keyring	21.8.0-2.el9ost	RHEA-2023:4577
python3-keystoneauth1	4.4.0-1.20220727120523.112bcae.el9ost	RHEA-2023:4577
python3-keystoneclient	4.3.0-1.20220727214928.d5cb761.el9ost	RHEA-2023:4577
python3-msgpack	1.0.2-2.el9ost	RHEA-2023:4577
python3-munch	2.5.0-4.el9ost	RHEA-2023:4577
python3-openstacksdk	0.55.1-1.20220727183533.f09ed4a.el9ost	RHEA-2023:4577

Name	版本	公告
python3-os-service-types	1.7.0-1.20220727115532.0b2f473.el9ost	RHEA-2023:4577
python3-osc-lib	2.3.1-1.20220727122302.2b7a679.el9ost	RHEA-2023:4577
python3-oslo-concurrency	4.4.0-1.20220727123028.7dcf9e9.el9ost	RHEA-2023:4577
python3-oslo-config	8.5.1-1.20220727120157.de1dbee.el9ost	RHEA-2023:4577
python3-oslo-context	3.2.1-1.20220727123754.b124eb7.el9ost	RHEA-2023:4577
python3-oslo-i18n	5.0.1-1.20220727101232.73187bd.el9ost	RHEA-2023:4577
python3-oslo-log	4.4.0-1.20220727124451.9b29c90.el9ost	RHEA-2023:4577
python3-oslo-serialization	4.1.1-1.20220727174213.bbe5d5a.el9ost	RHEA-2023:4577
python3-oslo-utils	4.8.2-1.20230201111008.a38b56a.el9ost	RHEA-2023:4577
python3-pbr	5.5.1-2.el9ost	RHEA-2023:4577
python3-pyperclip	1.8.0-3.el9ost	RHEA-2023:4577
python3-pystache	0.5.4-13.el9ost	RHEA-2023:4577
python3-requestsexceptions	1.4.0-1.20220727101907.d7ac0ff.el9ost	RHEA-2023:4577
python3-rfc3986	1.4.0-5.el9ost	RHEA-2023:4577
python3-rsa	4.6-2.1.el9ost	RHEA-2023:4577
python3-secretstorage	3.3.1-1.el9ost	RHEA-2023:4577

Name	版本	公告
python3-simplejson	3.17.2-4.el9ost	RHEA-2023:4577
python3-stevedore	3.3.3-1.20221025061318.7b48fff.el9ost	RHEA-2023:4577
python3-swiftclient	3.11.1-1.20220727122947.06b36ae.el9ost	RHEA-2023:4577
python3-wrapt	1.12.1-4.el9ost	RHEA-2023:4577
python3-zaqarclient	2.3.0-1.20220727134149.e388947.el9ost	RHEA-2023:4577
python3-zipp	3.4.0-1.el9ost	RHEA-2023:4577
rhosp-director-images-base	17.1-20230802.2.el9ost	RHEA-2023:4579
rhosp-director-images-metadata	17.1-20230802.2.el9ost	RHEA-2023:4579
rhosp-director-images-minimal	17.1-20230802.2.el9ost	RHEA-2023:4579
rhosp-release	17.1.0-1.el9ost	RHEA-2023:4577
ruby-augeas	0.5.0-27.el9ost	RHEA-2023:4577
ruby-facter	3.14.19-1.el9ost	RHEA-2023:4577
rubygem-concurrent-ruby	1.1.5-2.el9ost	RHEA-2023:4577
rubygem-deep_merge	1.2.1-7.el9ost	RHEA-2023:4577
rubygem-diff-lcs	1.2.5-7.el9ost	RHEA-2023:4577
rubygem-fast_gettext	1.2.0-9.el9ost	RHEA-2023:4577
rubygem-hocon	1.3.1-2.el9ost	RHEA-2023:4577
rubygem-multi_json	1.15.0-2.el9ost	RHEA-2023:4577
rubygem-puppet-resource_api	1.8.13-1.el9ost	RHEA-2023:4577
rubygem-ruby-shadow	2.5.0-15.el9ost	RHEA-2023:4577

Name	版本	公告
rubygem-semantic_puppet	1.0.4-2.el9ost	RHEA-2023:4577
rubygem-set	1.0.1-1.el9ost	RHEA-2023:4577
yaml-cpp	0.6.3-4.el9ost	RHEA-2023:4577

3.3. RED HAT OPENSTACK PLATFORM 17.1 FOR RHEL 8 X86_64 (RPMS)

下表概述了 **openstack-17.1-for-rhel-8-x86_64-rpms** 存储库中包含的软件包。

表 3.3. Red Hat OpenStack Platform 17.1 for RHEL 8 x86_64 (RPMs) Packages

Name	版本	公告
ansible-collection-ansible-netcommon	2.2.0-1.2.el8ost.1	RHEA-2023:4580
ansible-collection-ansible-posix	1.2.0-1.el8ost.1	RHEA-2023:4580
ansible-collection-ansible-utils	2.3.0-2.el8ost	RHEA-2023:4580
ansible-collection-community-general	4.0.0-1.1.el8ost.1	RHEA-2023:4580
ansible-collection-containers-podman	1.9.3-1.el8ost	RHEA-2023:4580
ansible-collections-openstack	1.9.1-1.20230420063954.0e9a6f2.el8ost	RHEA-2023:4580
ansible-config_template	2.0.1-17.1.20230517174107.7951228.el8ost	RHEA-2023:4580
ansible-freeipa	1.9.2-1.1.el8ost	RHEA-2023:4580
ansible-pacemaker	1.0.4-17.1.20221026103752.7c10fdb.el8ost	RHEA-2023:4580
ansible-role-atos-hsm	1.0.1-1.20220727095609.ccd3896.el8ost	RHEA-2023:4580

Name	版本	公告
ansible-role-chrony	1.3.1-1.20230510014016.0111661.el8ost	RHEA-2023:4580
ansible-role-collectd-config	0.0.2-1.20220727095634.1992666.el8ost	RHEA-2023:4580
ansible-role-container-registry	1.4.1-17.1.20221116233745.a091b9c.el8ost	RHEA-2023:4580
ansible-role-lunasa-hsm	1.1.1-17.1.20220727100600.6ebc8f4.el8ost	RHEA-2023:4580
ansible-role-metalsmith-deployment	1.4.4-1.20230515184003.5e7461e.el8ost	RHEA-2023:4580
ansible-role-openstack-operations	0.0.1-17.1.20220727212820.2ab288f.el8ost	RHEA-2023:4580
ansible-role-qdr-config	0.0.1-1.20220727212923.b456651.el8ost	RHEA-2023:4580
ansible-role-redhat-subscription	1.2.1-17.1.20220818145419.eefe501.el8ost	RHEA-2023:4580
ansible-role-thales-hsm	3.0.1-1.20220727213721.e0f4569.el8ost	RHEA-2023:4580
ansible-role-tripleo-modify-image	1.5.1-17.1.20230211115447.b6eedb6.el8ost	RHEA-2023:4580
ansible-tripleo-ipa	0.3.1-1.20230519134015.el8ost	RHEA-2023:4580
ansible-tripleo-ipsec	11.0.1-1.20220727100612.b5559c8.el8ost	RHEA-2023:4580
collectd	5.12.0-10.el8ost	RHEA-2023:4580
collectd-amqp1	5.12.0-10.el8ost	RHEA-2023:4580

Name	版本	公告
collectd-apache	5.12.0-10.el8ost	RHEA-2023:4580
collectd-bind	5.12.0-10.el8ost	RHEA-2023:4580
collectd-ceph	5.12.0-10.el8ost	RHEA-2023:4580
collectd-chrony	5.12.0-10.el8ost	RHEA-2023:4580
collectd-connectivity	5.12.0-10.el8ost	RHEA-2023:4580
collectd-curl	5.12.0-10.el8ost	RHEA-2023:4580
collectd-curl_json	5.12.0-10.el8ost	RHEA-2023:4580
collectd-curl_xml	5.12.0-10.el8ost	RHEA-2023:4580
collectd-disk	5.12.0-10.el8ost	RHEA-2023:4580
collectd-dns	5.12.0-10.el8ost	RHEA-2023:4580
collectd-generic-jmx	5.12.0-10.el8ost	RHEA-2023:4580
collectd-hugepages	5.12.0-10.el8ost	RHEA-2023:4580
collectd-ipmi	5.12.0-10.el8ost	RHEA-2023:4580
collectd-iptables	5.12.0-10.el8ost	RHEA-2023:4580
collectd-libpod-stats	1.0.5-5.el8ost	RHEA-2023:4580
collectd-log_logstash	5.12.0-10.el8ost	RHEA-2023:4580
collectd-mcelog	5.12.0-10.el8ost	RHEA-2023:4580
collectd-mysql	5.12.0-10.el8ost	RHEA-2023:4580
collectd-netlink	5.12.0-10.el8ost	RHEA-2023:4580
collectd-openldap	5.12.0-10.el8ost	RHEA-2023:4580
collectd-ovs-events	5.12.0-10.el8ost	RHEA-2023:4580
collectd-ovs-stats	5.12.0-10.el8ost	RHEA-2023:4580
collectd-pcie-errors	5.12.0-10.el8ost	RHEA-2023:4580

Name	版本	公告
collectd-ping	5.12.0-10.el8ost	RHEA-2023:4580
collectd-pmu	5.12.0-10.el8ost	RHEA-2023:4580
collectd-procevent	5.12.0-10.el8ost	RHEA-2023:4580
collectd-python	5.12.0-10.el8ost	RHEA-2023:4580
collectd-rdt	5.12.0-10.el8ost	RHEA-2023:4580
collectd-sensors	5.12.0-10.el8ost	RHEA-2023:4580
collectd-sensubility	0.2.0-2.el8ost	RHEA-2023:4580
collectd-smart	5.12.0-10.el8ost	RHEA-2023:4580
collectd-snmp	5.12.0-10.el8ost	RHEA-2023:4580
collectd-snmp-agent	5.12.0-10.el8ost	RHEA-2023:4580
collectd-sysevent	5.12.0-10.el8ost	RHEA-2023:4580
collectd-turbostat	5.12.0-10.el8ost	RHEA-2023:4580
collectd-utils	5.12.0-10.el8ost	RHEA-2023:4580
collectd-virt	5.12.0-10.el8ost	RHEA-2023:4580
collectd-write_http	5.12.0-10.el8ost	RHEA-2023:4580
collectd-write_kafka	5.12.0-10.el8ost	RHEA-2023:4580
collectd-write_prometheus	5.12.0-10.el8ost	RHEA-2023:4580
cpp-hocon	0.3.0-4.2.el8ost.2	RHEA-2023:4580
crudini	0.9.3-1.el8ost.1	RHEA-2023:4580
dib-utils	0.0.11-17.1.20220727214513.51661c3.el8ost	RHEA-2023:4580
diskimage-builder	3.29.1-1.20230424094026.ed9bdf8.el8ost	RHEA-2023:4580

Name	版本	公告
double-conversion	3.1.5-4.el8ost.2	RHEA-2023:4580
dumb-init	1.2.5-2.el8ost	RHEA-2023:4580
Facter	3.14.19-1.el8ost	RHEA-2023:4580
golang-github-Sirupsen-logrus-devel	1.1.1-7.el8ost	RHEA-2023:4580
golang-github-davecgh-go-spew-devel	0-0.12.git6d21280.1.el8ost.1	RHEA-2023:4580
golang-github-go-ini-ini-devel	1.39.3-0.2.gitf55231c.1.el8ost	RHEA-2023:4580
golang-github-infrawatch-apputils	0.5-2.git4ffa970.el8ost	RHEA-2023:4580
golang-github-pmezard-difflib-devel	1.0.0-6.el8ost	RHEA-2023:4580
golang-github-streadway-amqp-devel	0-0.4.20190404git75d898a.el8ost	RHEA-2023:4580
golang-github-stretchr-objx-devel	0-0.14.git1a9d0bb.el8ost	RHEA-2023:4580
golang-github-stretchr-testify-devel	1.2.2-5.el8ost	RHEA-2023:4580
golang-github-urfave-cli-devel	1.20.0-7.el8ost	RHEA-2023:4580
golang-github-vbatts-tar-split	0.11.1-9.el8ost	RHEA-2023:4580
golang-qpid-apache	0.33.0-4.el8ost	RHEA-2023:4580
golang-uber-atomic	1.5.1-1.el8ost.1	RHEA-2023:4580
golang-uber-multierr	1.5.0-1.el8ost.1	RHEA-2023:4580
golang-x-sys-devel	0-0.39.20210715git9b0068b.el8ost	RHEA-2023:4580
heat-cfntools	1.4.2-11.el8ost.2	RHEA-2023:4580
hiera	3.6.0-1.el8ost.1	RHEA-2023:4580

Name	版本	公告
leapp-repository-openstack	0.0.12-1.el8ost	RHEA-2023:4580
leatherman	1.12.0-5.el8ost.1	RHEA-2023:4580
libcollectdclient	5.12.0-10.el8ost	RHEA-2023:4580
liboping	1.10.0-11.el8ost	RHEA-2023:4580
libqhull	7.2.1-2.el8ost.1	RHEA-2023:4580
libsodium	1.0.18-2.el8ost.1	RHEA-2023:4580
libzstd	1.4.5-6.el8ost.1	RHEA-2023:4580
openstack-heat-agents	2.2.1-1.20220728000604.ed16cc7.el8ost	RHEA-2023:4580
openstack-heat-api	16.1.1-1.20230416004033.2d5a87d.el8ost	RHEA-2023:4580
openstack-heat-common	16.1.1-1.20230416004033.2d5a87d.el8ost	RHEA-2023:4580
openstack-heat-engine	16.1.1-1.20230416004033.2d5a87d.el8ost	RHEA-2023:4580
openstack-heat-monolith	16.1.1-1.20230416004033.2d5a87d.el8ost	RHEA-2023:4580
openstack-ironic-python-agent-builder	2.8.0-1.20220727181453.e0b51e0.el8ost	RHEA-2023:4580
openstack-nova-common	23.2.3-1.20230520123958.el8ost	RHEA-2023:4580
openstack-nova-compute	23.2.3-1.20230520123958.el8ost	RHEA-2023:4580
openstack-nova-migration	23.2.3-1.20230520123958.el8ost	RHEA-2023:4580
openstack-selinux	0.8.37-17.1.20221215084349.34c2ecc.el8ost	RHEA-2023:4580

Name	版本	公告
openstack-tempest	33.0.0-1.20230406153813.1580f6f.el8ost	RHEA-2023:4580
openstack-tripleo-common	15.4.1-1.20230518205256.el8ost	RHEA-2023:4580
openstack-tripleo-common-container-base	15.4.1-1.20230518205256.el8ost	RHEA-2023:4580
openstack-tripleo-common-containers	15.4.1-1.20230518205256.el8ost	RHEA-2023:4580
openstack-tripleo-heat-templates	14.3.1-1.20230519143971.el8ost	RHEA-2023:4580
openstack-tripleo-image-elements	13.1.3-1.20230322223831.a641940.el8ost	RHEA-2023:4580
openstack-tripleo-puppet-elements	14.1.3-1.20230221224239.23b0079.el8ost	RHEA-2023:4580
openstack-tripleo-validations	14.3.2-1.20230421033956.c768acb.el8ost	RHEA-2023:4580
os-apply-config	13.1.0-1.20220727102349.474068e.el8ost	RHEA-2023:4580
os-collect-config	13.1.0-1.20220727232946.3a7d05a.el8ost	RHEA-2023:4580
os-net-config	14.2.1-1.20230412014753.el8ost	RHEA-2023:4580
os-refresh-config	13.1.0-1.20220727215600.5bb536c.el8ost	RHEA-2023:4580
plotnetcfg	0.4.1-14.el8ost.1	RHEA-2023:4580
pmu-data	109-3.1.el8ost	RHEA-2023:4580
puppet	7.10.0-1.el8ost	RHEA-2023:4580

Name	版本	公告
puppet-aodh	18.4.2-1.20230131230427.3e47b5a.el8ost	RHEA-2023:4580
puppet-apache	6.5.2-0.20220712154420.e4a1532.el8ost	RHEA-2023:4580
puppet-archive	4.6.1-0.20220712084434.bc7e4ff.el8ost	RHEA-2023:4580
puppet-auditd	2.2.1-17.1.20220727220254.189b22b.el8ost	RHEA-2023:4580
puppet-barbican	18.4.2-1.20221108094553.af6c77b.el8ost	RHEA-2023:4580
puppet-ceilometer	18.4.3-1.20230505004947.5050368.el8ost	RHEA-2023:4580
puppet-certmonger	2.7.1-0.20220712090641.3e2e660.el8ost	RHEA-2023:4580
puppet-cinder	18.5.2-1.20230127003831.6aa60e7.el8ost	RHEA-2023:4580
puppet-collectd	13.0.0-1.20230413134008.ad138a7.el8ost	RHEA-2023:4580
puppet-concat	6.2.1-0.20220712083648.dfeabb9.el8ost	RHEA-2023:4580
puppet-corosync	8.0.1-0.20220712093115.6a9da9a.el8ost	RHEA-2023:4580
puppet-designate	18.6.1-1.20230131230703.f4c0b89.el8ost	RHEA-2023:4580

Name	版本	公告
puppet-dns	8.2.1-1.20220728005427.70f5b28.el8ost	RHEA-2023:4580
puppet-etcd	1.12.3-17.1.20220712095117.e143c2d.el8ost	RHEA-2023:4580
puppet-fdio	18.2-17.1.20220727103224.6fd1c8e.el8ost	RHEA-2023:4580
puppet-firewall	3.4.1-17.1.20220714134752.94f707c.el8ost	RHEA-2023:4580
puppet-git	0.5.0-17.1.20220712100238.4e4498e.el8ost	RHEA-2023:4580
puppet-glance	18.6.1-1.20230128003900.81b081d.el8ost	RHEA-2023:4580
puppet-gnocchi	18.4.3-1.20230131225420.7584b94.el8ost	RHEA-2023:4580
puppet-haproxy	4.2.2-0.20220712100808.a797b8c.el8ost	RHEA-2023:4580
puppet-headless	7.10.0-1.el8ost	RHEA-2023:4580
puppet-heat	18.4.1-1.20230323234835.3b41bb0.el8ost	RHEA-2023:4580
puppet-horizon	18.6.1-1.20230423024131.8074e69.el8ost	RHEA-2023:4580
puppet-inifile	4.2.1-0.20220712083557.df46d2a.el8ost	RHEA-2023:4580

Name	版本	公告
puppet-ipaclient	2.5.2-17.1.20220712101058.b086731.el8ost	RHEA-2023:4580
puppet-ironic	18.7.1-1.20230516013950.edf93f9.el8ost	RHEA-2023:4580
puppet-keepalived	0.0.2-17.1.20220712101637.bbca37a.el8ost	RHEA-2023:4580
puppet-keystone	18.6.1-1.20230218004339.67ff287.el8ost	RHEA-2023:4580
puppet-kmod	2.5.0-0.20220712092606.52e31e3.el8ost	RHEA-2023:4580
puppet-manila	18.5.2-1.20230127004755.a72a7d5.el8ost	RHEA-2023:4580
puppet-memcached	6.0.0-17.1.20220712090433.4c70dbd.el8ost	RHEA-2023:4580
puppet-module-data	0.5.1-17.1.20220712102135.28dafce.el8ost	RHEA-2023:4580
puppet-mysql	10.6.1-1.20220714141739.937d044.el8ost	RHEA-2023:4580
puppet-neutron	18.6.1-1.20221226014026.el8ost	RHEA-2023:4580
puppet-nova	18.6.1-1.20221226010718.65b15ad.el8ost	RHEA-2023:4580
puppet-nssdb	1.0.2-17.1.20220712091545.2ed2a2d.el8ost	RHEA-2023:4580
puppet-octavia	18.5.1-1.20230201003831.842492c.el8ost	RHEA-2023:4580

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puppet-openstack_extras	18.5.1-1.20221108102751.504e1a0.el8ost	RHEA-2023:4580
puppet-openstacklib	18.5.2-1.20221219234730.64d8ac6.el8ost	RHEA-2023:4580
puppet-oslo	18.5.1-1.20221219234629.fe2a147.el8ost	RHEA-2023:4580
puppet-ovn	18.6.1-1.20230413013953.7805f7e.el8ost	RHEA-2023:4580
puppet-pacemaker	1.5.1-17.1.20221226015058.7add073.el8ost	RHEA-2023:4580
puppet-placement	5.4.3-1.20230131232551.e7557a5.el8ost	RHEA-2023:4580
puppet-qdr	7.4.1-1.20220728123856.8a575de.el8ost	RHEA-2023:4580
puppet-rabbitmq	11.0.1-1.20230428153957.63fee2c.el8ost	RHEA-2023:4580
puppet-redis	6.1.1-0.20220712093938.547105e.el8ost	RHEA-2023:4580
puppet-remote	10.0.0-17.1.20220712094352.7420908.el8ost	RHEA-2023:4580
puppet-rsync	1.1.4-17.1.20220712155729.ea6397e.el8ost	RHEA-2023:4580
puppet-rsyslog	4.0.1-1.20220727220448.2548a0d.el8ost	RHEA-2023:4580
puppet-snmp	3.9.1-17.1.20220712103531.5d73485.el8ost	RHEA-2023:4580

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puppet-ssh	6.2.1-0.20220712092028.6e0f430.el8ost	RHEA-2023:4580
puppet-stdlib	6.3.1-1.20220728003938.7c1ae25.el8ost	RHEA-2023:4580
puppet-swift	18.6.1-1.20221219233951.f105ffc.el8ost	RHEA-2023:4580
puppet-sysctl	0.0.13-17.1.20220712085616.847ec1c.el8ost	RHEA-2023:4580
puppet-systemd	2.12.1-0.20220712093532.8f68b0d.el8ost	RHEA-2023:4580
puppet-tripleo	14.2.3-1.20230521013956.el8ost	RHEA-2023:4580
puppet-vcsrepo	3.1.1-0.20220712085822.a36ee18.el8ost	RHEA-2023:4580
puppet-vswitch	14.4.2-1.20221109014312.51e82ca.el8ost	RHEA-2023:4580
puppet-xinetd	3.3.1-17.1.20220712091204.8d460c4.el8ost	RHEA-2023:4580
python-openstackclient-lang	5.5.2-1.20230404113830.42d9b6e.el8ost	RHEA-2023:4580
python-oslo-cache-lang	2.7.1-1.20220727175242.d0252f6.el8ost	RHEA-2023:4580
python-oslo-concurrency-lang	4.4.0-1.20220727153420.7dcf9e9.el8ost	RHEA-2023:4580
python-oslo-db-lang	8.5.2-1.20221011033702.26fd6fb.el8ost	RHEA-2023:4580

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python-oslo-i18n-lang	5.0.1-1.20220727212022.73187bd.el8ost	RHEA-2023:4580
python-oslo-log-lang	4.4.0-1.20230124123758.9b29c90.el8ost	RHEA-2023:4580
python-oslo-middleware-lang	4.2.1-1.20220727174253.b40ca5f.el8ost	RHEA-2023:4580
python-oslo-policy-lang	3.7.1-1.20220727124740.639b471.el8ost	RHEA-2023:4580
python-oslo-privsep-lang	2.5.1-1.20230516124011.1634c00.el8ost	RHEA-2023:4580
python-oslo-utils-lang	4.8.2-1.20230201104135.a38b56a.el8ost	RHEA-2023:4580
python-oslo-versionedobjects-lang	2.4.1-1.20220727131633.89ff171.el8ost	RHEA-2023:4580
python-oslo-vmware-lang	3.8.2-1.20220810165344.dc1a466.el8ost	RHEA-2023:4580
python-pycadf-common	3.1.1-1.20220727223847.4179996.el8ost	RHEA-2023:4580
python3-GitPython	3.1.14-1.el8ost.1	RHEA-2023:4580
python3-alembic	1.4.3-1.el8ost.1	RHEA-2023:4580
python3-amqp	5.0.6-2.el8ost	RHEA-2023:4580
python3-ansible-runner	2.0.0a1-3.el8ost.1	RHEA-2023:4580
python3-anyjson	0.3.3-24.el8ost.1	RHEA-2023:4580
python3-aodhclient	2.2.0-1.20221118093728.b747ae3.el8ost	RHEA-2023:4580

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python3-appdirs	1.4.4-2.el8ost.1	RHEA-2023:4580
python3-automaton	2.3.1-1.20220727133327.4a3e539.el8ost	RHEA-2023:4580
python3-barbicanclient	5.3.0-1.20230509083956.ad49c40.el8ost	RHEA-2023:4580
python3-bcrypt	3.1.7-3.el8ost.1	RHEA-2023:4580
python3-beautifulsoup4	4.9.3-1.el8ost.1	RHEA-2023:4580
python3-boto	2.49.0-4.el8ost.1	RHEA-2023:4580
python3-cachetools	4.2.2-1.el8ost.1	RHEA-2023:4580
python3-castellan	3.7.2-1.20220727113716.3775cf4.el8ost	RHEA-2023:4580
python3-cffi	1.13.2-1.el8ost.1	RHEA-2023:4580
python3-cinderclient	7.4.1-1.20220727224832.4f72e6f.el8ost	RHEA-2023:4580
python3-cliff	3.7.0-1.20220727213806.117a100.el8ost	RHEA-2023:4580
python3-cmd2	1.4.0-1.1.el8ost.1	RHEA-2023:4580
python3-collectd-rabbitmq-monitoring	0.0.6-4.el8ost	RHEA-2023:4580
python3-colorama	0.4.4-2.el8ost.1	RHEA-2023:4580
python3-contextlib2	0.6.0.post1-1.el8ost.1	RHEA-2023:4580
python3-croniter	0.3.35-1.el8ost.1	RHEA-2023:4580
python3-cursive	0.2.2-17.1.20220727115339.d7cea1f.el8ost	RHEA-2023:4580
python3-cycler	0.10.0-13.el8ost.1	RHEA-2023:4580

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python3-daemon	2.3.0-1.el8ost.1	RHEA-2023:4580
python3-dataclasses	0.8-1.el8ost.1	RHEA-2023:4580
python3-dateutil	2.8.1-1.el8ost.1	RHEA-2023:4580
python3-ddt	1.4.2-1.el8ost.1	RHEA-2023:4580
python3-debtcollector	2.2.0-1.20220727093815.649189d.el8ost	RHEA-2023:4580
python3-decorator	4.4.0-5.el8ost.1	RHEA-2023:4580
python3-defusedxml	0.7.1-1.el8ost.1	RHEA-2023:4580
python3-designateclient	4.2.1-1.20220727191108.7a8d156.el8ost	RHEA-2023:4580
python3-dogpile-cache	1.1.5-3.el8ost	RHEA-2023:4580
python3-editor	1.0.4-4.el8ost.1	RHEA-2023:4580
python3-entrypoints	0.3-4.el8ost.1	RHEA-2023:4580
python3-etcd3gw	0.2.6-2.el8ost.1	RHEA-2023:4580
python3-eventlet	0.30.2-1.el8ost.1	RHEA-2023:4580
python3-extras	1.0.0-12.el8ost	RHEA-2023:4580
python3-fasteners	0.14.1-21.el8ost.1	RHEA-2023:4580
python3-fixtures	3.0.0-16.el8ost.1	RHEA-2023:4580
python3-flake8	3.7.7-6.el8ost.1	RHEA-2023:4580
python3-future	0.18.2-3.el8ost.1	RHEA-2023:4580
python3-futurist	2.3.0-1.20220727101600.1a1c6f8.el8ost	RHEA-2023:4580
python3-gitdb	4.0.5-2.el8ost	RHEA-2023:4580

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python3-glanceclient	3.3.0-1.20221115174113.f802c71.el8ost	RHEA-2023:4580
python3-gnocchiclient	7.0.7-1.20220718110604.cad2c27.el8ost	RHEA-2023:4580
python3-greenlet	1.0.0-1.el8ost	RHEA-2023:4580
python3-heat-agent	2.2.1-1.20220728000604.ed16cc7.el8ost	RHEA-2023:4580
python3-heat-agent-ansible	2.2.1-1.20220728000604.ed16cc7.el8ost	RHEA-2023:4580
python3-heat-agent-apply-config	2.2.1-1.20220728000604.ed16cc7.el8ost	RHEA-2023:4580
python3-heat-agent-docker-cmd	2.2.1-1.20220728000604.ed16cc7.el8ost	RHEA-2023:4580
python3-heat-agent-hiera	2.2.1-1.20220728000604.ed16cc7.el8ost	RHEA-2023:4580
python3-heat-agent-json-file	2.2.1-1.20220728000604.ed16cc7.el8ost	RHEA-2023:4580
python3-heat-agent-puppet	2.2.1-1.20220728000604.ed16cc7.el8ost	RHEA-2023:4580
python3-heatclient	2.3.1-1.20220727134220.d16c245.el8ost	RHEA-2023:4580
python3-importlib-metadata	1.7.0-1.el8ost.1	RHEA-2023:4580
python3-ironic-inspector-client	4.5.0-1.20220727111646.3c03e21.el8ost	RHEA-2023:4580
python3-ironicclient	4.6.4-1.20221027064127.09b78fa.el8ost	RHEA-2023:4580

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python3-iso8601	0.1.12-8.el8ost.1	RHEA-2023:4580
python3-jeepney	0.6.0-2.el8ost.2	RHEA-2023:4580
python3-jsonschema	3.2.0-5.el8ost.1	RHEA-2023:4580
python3-junitxml	0.7-26.el8ost.1	RHEA-2023:4580
python3-kazoo	2.8.0-1.el8ost.1	RHEA-2023:4580
python3-keyring	21.8.0-2.el8ost.1	RHEA-2023:4580
python3-keystoneauth1	4.4.0-1.20220727222004.112bcae.el8ost	RHEA-2023:4580
python3-keystoneclient	4.3.0-1.20220727200548.d5cb761.el8ost	RHEA-2023:4580
python3-keystonemiddleware	9.2.0-1.20220727112636.3659bda.el8ost	RHEA-2023:4580
python3-kiwisolver	1.1.0-4.el8ost.1	RHEA-2023:4580
python3-kombu	5.0.2-1.el8ost.1	RHEA-2023:4580
python3-linecache2	1.0.0-25.el8ost.1	RHEA-2023:4580
python3-lockfile	0.12.2-2.el8ost.1	RHEA-2023:4580
python3-logutils	0.3.5-12.el8ost	RHEA-2023:4580
python3-magnumclient	3.4.1-1.20230105113801.280acd2.el8ost	RHEA-2023:4580
python3-manilaclient	2.6.4-1.20220727154316.7f7d7d3.el8ost	RHEA-2023:4580
python3-markupsafe	1.1.0-7.el8ost.1	RHEA-2023:4580
python3-matplotlib	3.1.1-2.el8ost.1	RHEA-2023:4580
python3-matplotlib-data	3.1.1-2.el8ost.1	RHEA-2023:4580
python3-matplotlib-data-fonts	3.1.1-2.el8ost.1	RHEA-2023:4580

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python3-matplotlib-tk	3.1.1-2.el8ost.1	RHEA-2023:4580
python3-mccabe	0.6.1-14.el8ost.1	RHEA-2023:4580
python3-memcached	1.59-2.el8ost	RHEA-2023:4580
python3-metalsmith	1.4.4-1.20230515184003.5e7461e.el8ost	RHEA-2023:4580
python3-microversion-parse	1.0.1-1.20220727102336.2c36df6.el8ost	RHEA-2023:4580
python3-migrate	0.13.0-6.el8ost.1	RHEA-2023:4580
python3-mistralclient	4.2.0-1.20220727231108.20a10f0.el8ost	RHEA-2023:4580
python3-monotonic	1.5-9.el8ost	RHEA-2023:4580
python3-msgpack	1.0.2-1.el8ost.1	RHEA-2023:4580
python3-munch	2.5.0-3.el8ost.1	RHEA-2023:4580
python3-natsort	7.1.1-2.el8ost.1	RHEA-2023:4580
python3-netifaces	0.10.9-10.el8ost	RHEA-2023:4580
python3-networkx	2.5-2.el8ost.1	RHEA-2023:4580
python3-neutron-lib	2.10.2-1.20230510084012.el8ost	RHEA-2023:4580
python3-neutron-tests-tempest	2.1.0-1.20230508093958.el8ost	RHEA-2023:4580
python3-neutronclient	7.3.1-1.20221110063715.29a9f5e.el8ost	RHEA-2023:4580
python3-nova	23.2.3-1.20230520123958.el8ost	RHEA-2023:4580
python3-novaclient	17.4.1-1.20220917063708.5ee4427.el8ost	RHEA-2023:4580
python3-numpy	1.17.0-11.el8ost	RHEA-2023:4580

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python3-numpy-f2py	1.17.0-11.el8ost	RHEA-2023:4580
python3-octaviaclient	2.3.1-1.20220727225443.51347bc.el8ost	RHEA-2023:4580
python3-openstackclient	5.5.2-1.20230404113830.42d9b6e.el8ost	RHEA-2023:4580
python3-openstacksdk	0.55.1-1.20220727181957.f09ed4a.el8ost	RHEA-2023:4580
python3-os-brick	4.3.4-1.20230519140256.cf69f92.el8ost	RHEA-2023:4580
python3-os-client-config	2.1.0-1.20220727222853.bc96c23.el8ost	RHEA-2023:4580
python3-os-ken	1.4.1-1.20220727125626.018d755.el8ost	RHEA-2023:4580
python3-os-resource-classes	1.0.0-1.20220727233914.3dd3506.el8ost	RHEA-2023:4580
python3-os-service-types	1.7.0-17.1.20220727104045.0b2f473.el8ost	RHEA-2023:4580
python3-os-testr	2.0.0-1.20220727214705.248dc81.el8ost	RHEA-2023:4580
python3-os-traits	2.5.0-1.20220727231953.ac1b39e.el8ost	RHEA-2023:4580
python3-os-vif	2.4.1-1.20221116073809.el8ost	RHEA-2023:4580
python3-os-win	5.4.0-1.20220727114255.cce95b4.el8ost	RHEA-2023:4580

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python3-osc-lib	2.3.1-1.20220727105040.2b7a679.el8ost	RHEA-2023:4580
python3-osc-placement	2.2.0-1.20220727235707.f7640c9.el8ost	RHEA-2023:4580
python3-oslo-cache	2.7.1-1.20220727175242.d0252f6.el8ost	RHEA-2023:4580
python3-oslo-concurrency	4.4.0-1.20220727153420.7dcf9e9.el8ost	RHEA-2023:4580
python3-oslo-config	8.5.1-1.20230124123758.de1dbee.el8ost	RHEA-2023:4580
python3-oslo-context	3.2.1-1.20220727110908.b124eb7.el8ost	RHEA-2023:4580
python3-oslo-db	8.5.2-1.20221011033702.26fd6fb.el8ost	RHEA-2023:4580
python3-oslo-i18n	5.0.1-1.20220727212022.73187bd.el8ost	RHEA-2023:4580
python3-oslo-log	4.4.0-1.20230124123758.9b29c90.el8ost	RHEA-2023:4580
python3-oslo-messaging	12.7.3-1.20221212164246.5d6fd1a.el8ost	RHEA-2023:4580
python3-oslo-middleware	4.2.1-1.20220727174253.b40ca5f.el8ost	RHEA-2023:4580
python3-oslo-policy	3.7.1-1.20220727124740.639b471.el8ost	RHEA-2023:4580
python3-oslo-privsep	2.5.1-1.20230516124011.1634c00.el8ost	RHEA-2023:4580

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python3-oslo-reports	2.2.0-1.20220727223653.bc631ae.el8ost	RHEA-2023:4580
python3-oslo-rootwrap	6.3.1-1.20220727132540.1b1b960.el8ost	RHEA-2023:4580
python3-oslo-serialization	4.1.1-1.20220727132453.bbe5d5a.el8ost	RHEA-2023:4580
python3-oslo-service	2.5.1-1.20230124124620.c1e3398.el8ost	RHEA-2023:4580
python3-oslo-upgradecheck	1.3.1-1.20220727131612.9561ecb.el8ost	RHEA-2023:4580
python3-oslo-utils	4.8.2-1.20230201104135.a38b56a.el8ost	RHEA-2023:4580
python3-oslo-versionedobjects	2.4.1-1.20220727131633.89ff171.el8ost	RHEA-2023:4580
python3-oslo-vmware	3.8.2-1.20220810165344.dc1a466.el8ost	RHEA-2023:4580
python3-osprofiler	3.4.0-1.20220727114659.5d82a02.el8ost	RHEA-2023:4580
python3-ovsdbapp	1.9.4-1.20221108163737.65d02f0.el8ost	RHEA-2023:4580
python3-packaging	20.4-1.el8ost.1	RHEA-2023:4580
python3-paramiko	2.7.2-2.el8ost.1	RHEA-2023:4580
python3-passlib	1.7.4-1.el8ost.1	RHEA-2023:4580
python3-paste	3.5.0-1.el8ost.1	RHEA-2023:4580
python3-paste-deploy	2.1.1-1.el8ost.1	RHEA-2023:4580
python3-pbr	5.5.1-1.el8ost.1	RHEA-2023:4580

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python3-pecan	1.4.0-2.el8ost.2	RHEA-2023:4580
python3-pexpect	4.7.0-4.el8ost.1	RHEA-2023:4580
python3-psutil	5.7.3-1.el8ost.2	RHEA-2023:4580
python3-pyasn1	0.4.6-3.el8ost.2	RHEA-2023:4580
python3-pyasn1-modules	0.4.6-3.el8ost.2	RHEA-2023:4580
python3-pycadf	3.1.1-1.20220727223847.4179996.el8ost	RHEA-2023:4580
python3-pycodestyle	2.5.0-6.el8ost.1	RHEA-2023:4580
python3-pydot	1.4.1-2.el8ost.1	RHEA-2023:4580
python3-pyflakes	2.1.1-5.el8ost.1	RHEA-2023:4580
python3-pygraphviz	1.5-9.el8ost.1	RHEA-2023:4580
python3-pymemcache	3.5.0-2.el8ost	RHEA-2023:4580
python3-pynacl	1.4.0-1.el8ost.1	RHEA-2023:4580
python3-pyparsing	2.4.6-1.el8ost.1	RHEA-2023:4580
python3-pyperclip	1.8.0-2.el8ost.1	RHEA-2023:4580
python3-pyrabbit2	1.0.6-3.el8ost	RHEA-2023:4580
python3-pyroute2	0.6.6-1.el8ost	RHEA-2023:4580
python3-pyrsistent	0.17.3-1.el8ost.1	RHEA-2023:4580
python3-pystache	0.5.4-13.el8ost.1	RHEA-2023:4580
python3-pyyaml	5.4.1-2.el8ost.1	RHEA-2023:4580
python3-redis	3.5.3-1.el8ost.1	RHEA-2023:4580
python3-repoze-lru	0.7-6.el8ost.1	RHEA-2023:4580
python3-requests	2.25.1-1.el8ost.1	RHEA-2023:4580

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python3-requestsexceptions	1.4.0-17.1.20220727093815.d7ac0ff.el8ost	RHEA-2023:4580
python3-retrying	1.3.3-1.el8ost.1	RHEA-2023:4580
python3-rfc3986	1.4.0-3.el8ost.1	RHEA-2023:4580
python3-rhosp-openvswitch	3.1-1.el8ost	RHEA-2023:4580
python3-routes	2.4.1-17.el8ost.1	RHEA-2023:4580
python3-rsa	4.6-3.el8ost.1	RHEA-2023:4580
python3-saharaclient	3.3.0-1.20220727120214.401e663.el8ost	RHEA-2023:4580
python3-secretstorage	3.3.1-1.el8ost.1	RHEA-2023:4580
python3-setproctitle	1.2.2-1.el8ost.1	RHEA-2023:4580
python3-shade	1.33.0-1.20220727235444.e7c7f29.el8ost	RHEA-2023:4580
python3-simplegeneric	0.8.1-17.el8ost.1	RHEA-2023:4580
python3-simplejson	3.17.5-1.el8ost.1	RHEA-2023:4580
python3-six	1.15.0-2.el8ost.1	RHEA-2023:4580
python3-smmap	3.0.1-4.el8ost	RHEA-2023:4580
python3-soupsieve	2.2-1.el8ost.1	RHEA-2023:4580
python3-sqlalchemy-collectd	0.0.6-2.el8ost	RHEA-2023:4580
python3-sqlparse	0.4.1-1.el8ost.1	RHEA-2023:4580
python3-statsd	3.2.1-16.el8ost.1	RHEA-2023:4580
python3-stestr	2.6.0-4.el8ost.1	RHEA-2023:4580
python3-stevedore	3.3.3-1.20221025091001.7b48fff.el8ost	RHEA-2023:4580

Name	版本	公告
python3-subunit	1.4.0-6.el8ost.1	RHEA-2023:4580
python3-swiftclient	3.11.1-1.20220727110024.06b36ae.el8ost	RHEA-2023:4580
python3-taskflow	4.6.0-1.20220727230513.0f7c6e9.el8ost	RHEA-2023:4580
python3-tempest	33.0.0-1.20230406153813.1580f6f.el8ost	RHEA-2023:4580
python3-tempestconf	3.3.1-1.20221216123732.29cc500.el8ost	RHEA-2023:4580
python3-tempita	0.5.1-25.el8ost.1	RHEA-2023:4580
python3-tenacity	6.3.1-1.el8ost.1	RHEA-2023:4580
python3-testscenarios	0.5.0-17.el8ost.1	RHEA-2023:4580
python3-testtools	2.5.0-2.el8ost	RHEA-2023:4580
python3-tinyrpc	1.0.3-1.el8ost.1	RHEA-2023:4580
python3-tooz	2.8.3-1.20220810165244.73dbe0e.el8ost	RHEA-2023:4580
python3-traceback2	1.4.0-25.el8ost.1	RHEA-2023:4580
python3-tripleo-common	15.4.1-1.20230518205256.el8ost	RHEA-2023:4580
python3-tripleoclient	16.5.1-1.20230505004752.el8ost	RHEA-2023:4580
python3-troveclient	7.0.0-1.20220727231400.c7319d8.el8ost	RHEA-2023:4580
python3-ujson	2.0.3-3.el8ost	RHEA-2023:4580
python3-unittest2	1.1.0-24.el8ost.1	RHEA-2023:4580
python3-urllib-gssapi	1.0.1-11.el8ost	RHEA-2023:4580

Name	版本	公告
python3-urllib3	1.25.10-4.el8ost.1	RHEA-2023:4580
python3-validations-libs	1.9.1-1.20230421024008.7213419.el8ost	RHEA-2023:4580
python3-vine	5.0.0-2.1.el8ost	RHEA-2023:4580
python3-voluptuous	0.12.1-1.el8ost.1	RHEA-2023:4580
python3-waitress	2.0.0-3.el8ost	RHEA-2023:4580
python3-warlock	1.3.3-1.el8ost.1	RHEA-2023:4580
python3-wcwidth	0.2.5-2.el8ost.1	RHEA-2023:4580
python3-webob	1.8.7-1.el8ost.1	RHEA-2023:4580
python3-webtest	2.0.35-3.el8ost.1	RHEA-2023:4580
python3-werkzeug	1.0.1-3.el8ost.1	RHEA-2023:4580
python3-wrapt	1.12.1-3.el8ost.1	RHEA-2023:4580
python3-yappi	1.3.1-2.el8ost.1	RHEA-2023:4580
python3-yaql	1.1.3-10.el8ost.1	RHEA-2023:4580
python3-zake	0.2.2-19.el8ost.1	RHEA-2023:4580
python3-zaqarclient	2.3.0-1.20220727225720.e388947.el8ost	RHEA-2023:4580
python3-zipp	3.4.0-1.el8ost.1	RHEA-2023:4580
qpid-proton-c	0.32.0-2.el8	RHEA-2023:4580
qpid-proton-c-devel	0.32.0-2.el8	RHEA-2023:4580
rhosp-network-scripts-openvswitch	3.1-1.el8ost	RHEA-2023:4580
rhosp-openvswitch	3.1-1.el8ost	RHEA-2023:4580

Name	版本	公告
rhosp-release	17.1.0-1.el8ost	RHEA-2023:4580
ruby-augeas	0.5.0-23.el8ost.1	RHEA-2023:4580
ruby-facter	3.14.19-1.el8ost	RHEA-2023:4580
ruby-shadow	2.5.0-8.el8ost	RHEA-2023:4580
rubygem-concurrent-ruby	1.1.5-2.el8ost.1	RHEA-2023:4580
rubygem-deep_merge	1.2.1-4.el8ost.1	RHEA-2023:4580
rubygem-fast_gettext	1.2.0-9.el8ost.1	RHEA-2023:4580
rubygem-hocon	1.3.1-2.el8ost	RHEA-2023:4580
rubygem-multi_json	1.15.0-2.el8ost	RHEA-2023:4580
rubygem-puppet-resource_api	1.8.13-1.el8ost	RHEA-2023:4580
rubygem-semantic_puppet	1.0.4-2.el8ost	RHEA-2023:4580
subunit-filters	1.4.0-6.el8ost.1	RHEA-2023:4580
tripleo-ansible	3.3.1-1.20230521003956.el8ost	RHEA-2023:4580
validations-common	1.9.1-1.20230406033859.e96c169.el8ost	RHEA-2023:4580
yaml-cpp	0.6.3-4.el8ost.1	RHEA-2023:4580
zstd	1.4.5-6.el8ost.1	RHEA-2023:4580

3.4. RED HAT OPENSTACK PLATFORM 17.1 FOR RHEL 9 X86_64 (RPMS)

下表概述了 **openstack-17.1-for-rhel-9-x86_64-rpms** 存储库中包含的软件包。

表 3.4. Red Hat OpenStack Platform 17.1 for RHEL 9 x86_64 (RPMs) Packages

Name	版本	公告
xstatic-Angular-common	1.5.8.0-15.el9ost	RHEA-2023:4577

Name	版本	公告
xstatic-Magic-Search-common	0.2.5.1-16.el9ost	RHEA-2023:4577
ansible-collection-ansible-netcommon	2.2.0-1.2.el9ost	RHEA-2023:4577
ansible-collection-ansible-posix	1.2.0-1.3.el9ost	RHEA-2023:4577
ansible-collection-ansible-utils	2.3.0-2.el9ost	RHEA-2023:4577
ansible-collection-community-general	4.0.0-1.1.el9ost	RHEA-2023:4577
ansible-collection-containers-podman	1.9.4-1.el9ost	RHEA-2023:4577
ansible-collections-openstack	1.9.1-1.20230420061007.0e9a6f2.el9ost	RHEA-2023:4577
ansible-config_template	2.0.1-1.20230517171038.7951228.el9ost	RHEA-2023:4577
ansible-pacemaker	1.0.4-1.20221026101409.7c10fdb.el9ost	RHEA-2023:4577
ansible-role-atos-hsm	1.0.1-1.20220727102902.ccd3896.el9ost	RHEA-2023:4577
ansible-role-chrony	1.3.1-1.20230510010957.0111661.el9ost	RHEA-2023:4577
ansible-role-collect-logs	1.5.1-1.20230504091034.e861134.el9ost	RHEA-2023:4577
ansible-role-collectd-config	0.0.3-1.20220727103502.1992666.el9ost	RHEA-2023:4577
ansible-role-container-registry	1.4.1-1.20221116231149.a091b9c.el9ost	RHEA-2023:4577
ansible-role-lunasa-hsm	1.1.1-1.20220727103630.6ebc8f4.el9ost	RHEA-2023:4577

Name	版本	公告
ansible-role-metalsmith-deployment	1.4.4-1.20230517141000.5e7461e.el9ost	RHEA-2023:4577
ansible-role-network-runner	0.3.4-2.el9ost	RHEA-2023:4577
ansible-role-openstack-operations	0.0.1-1.20220727104216.2ab288f.el9ost	RHEA-2023:4577
ansible-role-qdr-config	0.0.2-1.20220727104614.b456651.el9ost	RHEA-2023:4577
ansible-role-redhat-subscription	1.2.1-1.20220818131818.eefe501.el9ost	RHEA-2023:4577
ansible-role-thales-hsm	3.0.1-1.20220727104948.e0f4569.el9ost	RHEA-2023:4577
ansible-role-tripleo-modify-image	1.5.1-1.20230211112201.b6eedb6.el9ost	RHEA-2023:4577
ansible-tripleo-ipa	0.3.1-1.20230519140960.el9ost	RHEA-2023:4577
ansible-tripleo-ipsec	11.0.1-1.20220727105329.b5559c8.el9ost	RHEA-2023:4577
ansible-tripleo-powerflex	1.0.0-0.20220708152658.8633fbd.el9ost	RHEA-2023:4577
bootwatch-common	3.3.7.0-15.el9ost	RHEA-2023:4577
bootwatch-fonts	3.3.7.0-15.el9ost	RHEA-2023:4577
collectd	5.12.0-10.el9ost	RHEA-2023:4577
collectd-amqp	5.12.0-10.el9ost	RHEA-2023:4577
collectd-amqp1	5.12.0-10.el9ost	RHEA-2023:4577
collectd-apache	5.12.0-10.el9ost	RHEA-2023:4577
collectd-bind	5.12.0-10.el9ost	RHEA-2023:4577

Name	版本	公告
collectd-ceph	5.12.0-10.el9ost	RHEA-2023:4577
collectd-chrony	5.12.0-10.el9ost	RHEA-2023:4577
collectd-connectivity	5.12.0-10.el9ost	RHEA-2023:4577
collectd-curl	5.12.0-10.el9ost	RHEA-2023:4577
collectd-curl_json	5.12.0-10.el9ost	RHEA-2023:4577
collectd-curl_xml	5.12.0-10.el9ost	RHEA-2023:4577
collectd-disk	5.12.0-10.el9ost	RHEA-2023:4577
collectd-dns	5.12.0-10.el9ost	RHEA-2023:4577
collectd-hugepages	5.12.0-10.el9ost	RHEA-2023:4577
collectd-ipmi	5.12.0-10.el9ost	RHEA-2023:4577
collectd-libpod-stats	1.0.5-5.el9ost	RHEA-2023:4577
collectd-log_logstash	5.12.0-10.el9ost	RHEA-2023:4577
collectd-mcelog	5.12.0-10.el9ost	RHEA-2023:4577
collectd-mysql	5.12.0-10.el9ost	RHEA-2023:4577
collectd-netlink	5.12.0-10.el9ost	RHEA-2023:4577
collectd-openldap	5.12.0-10.el9ost	RHEA-2023:4577
collectd-ovs-events	5.12.0-10.el9ost	RHEA-2023:4577
collectd-ovs-stats	5.12.0-10.el9ost	RHEA-2023:4577
collectd-pcie-errors	5.12.0-10.el9ost	RHEA-2023:4577
collectd-ping	5.12.0-10.el9ost	RHEA-2023:4577
collectd-pmu	5.12.0-10.el9ost	RHEA-2023:4577
collectd-procevent	5.12.0-10.el9ost	RHEA-2023:4577
collectd-python	5.12.0-10.el9ost	RHEA-2023:4577

Name	版本	公告
collectd-rdt	5.12.0-10.el9ost	RHEA-2023:4577
collectd-sensors	5.12.0-10.el9ost	RHEA-2023:4577
collectd-sensubility	0.2.0-2.el9ost	RHEA-2023:4577
collectd-smart	5.12.0-10.el9ost	RHEA-2023:4577
collectd-snmp	5.12.0-10.el9ost	RHEA-2023:4577
collectd-snmp-agent	5.12.0-10.el9ost	RHEA-2023:4577
collectd-sysevent	5.12.0-10.el9ost	RHEA-2023:4577
collectd-turbostat	5.12.0-10.el9ost	RHEA-2023:4577
collectd-utils	5.12.0-10.el9ost	RHEA-2023:4577
collectd-virt	5.12.0-10.el9ost	RHEA-2023:4577
collectd-write_http	5.12.0-10.el9ost	RHEA-2023:4577
collectd-write_kafka	5.12.0-10.el9ost	RHEA-2023:4577
collectd-write_prometheus	5.12.0-10.el9ost	RHEA-2023:4577
cpp-hocon	0.3.0-5.el9ost	RHEA-2023:4577
crudini	0.9.3-4.el9ost	RHEA-2023:4577
dib-utils	0.0.11-1.20220727110347.51661c3.el9ost	RHEA-2023:4577
dibbler-client	1.0.1-11.el9ost	RHEA-2023:4577
dibbler-relay	1.0.1-11.el9ost	RHEA-2023:4577
dibbler-requestor	1.0.1-11.el9ost	RHEA-2023:4577
dibbler-server	1.0.1-11.el9ost	RHEA-2023:4577
diskimage-builder	3.29.1-1.20230424091024.ed9bdf8.el9ost	RHEA-2023:4577

Name	版本	公告
dumb-init	1.2.5-2.el9ost	RHEA-2023:4577
elixir	1.11.3-1.el9ost	RHEA-2023:4577
erlang-asn1	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-compiler	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-crypto	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-eldap	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-erts	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-inets	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-kernel	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-mnesia	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-os_mon	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-parsetools	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-public_key	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-runtime_tools	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-sasl	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-snmp	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-ssl	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-stdlib	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-syntax_tools	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-tools	24.3.4.2-2.el9ost	RHEA-2023:4577
erlang-xmerl	24.3.4.2-2.el9ost	RHEA-2023:4577
etcd	3.4.26-1.el9ost	RHEA-2023:4577
Facter	3.14.19-1.el9ost	RHEA-2023:4577

Name	版本	公告
fontawesome-fonts	4.7.0-13.el9ost	RHEA-2023:4577
fontawesome-fonts-web	4.7.0-13.el9ost	RHEA-2023:4577
gnocchi-api	4.4.3-1.20230209190902.60c2b56.el9ost	RHEA-2023:4577
gnocchi-common	4.4.3-1.20230209190902.60c2b56.el9ost	RHEA-2023:4577
gnocchi-metricd	4.4.3-1.20230209190902.60c2b56.el9ost	RHEA-2023:4577
gnocchi-statsd	4.4.3-1.20230209190902.60c2b56.el9ost	RHEA-2023:4577
golang-github-Sirupsen-logrus-devel	1.1.1-7.el9ost	RHEA-2023:4577
golang-github-davecgh-go-spew-devel	0-0.11.git6d21280.1.el9ost	RHEA-2023:4577
golang-github-go-ini-ini-devel	1.39.3-0.1.gitf55231c.el9ost.2	RHEA-2023:4577
golang-github-infrawatch-apputils	0.5-2.el9ost	RHEA-2023:4577
golang-github-pmezard-difflib-devel	1.0.0-6.el9ost	RHEA-2023:4577
golang-github-streadway-amqp-devel	0-0.3.20190404git75d898a.el9ost.2	RHEA-2023:4577
golang-github-stretchr-objx-devel	0-0.12.git1a9d0bb.1.el9ost.1	RHEA-2023:4577
golang-github-stretchr-testify-devel	1.2.2-3.el9ost.1	RHEA-2023:4577
golang-github-urfave-cli-devel	1.20.0-7.el9ost	RHEA-2023:4577
golang-github-vbatts-tar-split	0.11.1-9.el9ost	RHEA-2023:4577

Name	版本	公告
golang-qpid-apache	0.33.0-2.el9ost	RHEA-2023:4577
golang-uber-atomic	1.5.1-1.el9ost	RHEA-2023:4577
golang-uber-multierr	1.5.0-1.el9ost	RHEA-2023:4577
golang-x-sys-devel	0-0.40.el9ost	RHEA-2023:4577
heat-cfntools	1.4.2-6.1.el9ost	RHEA-2023:4577
hiera	3.6.0-4.el9ost	RHEA-2023:4577
jevents	109-3.el9ost	RHEA-2023:4577
leatherman	1.12.6-3.el9ost	RHEA-2023:4577
libcollectdclient	5.12.0-10.el9ost	RHEA-2023:4577
liberasurecode	1.6.1-3.el9ost	RHEA-2023:4577
liboping	1.10.0-10.el9ost	RHEA-2023:4577
libsodium	1.0.18-7.el9ost	RHEA-2023:4577
libunwind	1.4.0-5.el9ost	RHEA-2023:4577
libwebsockets	4.3.0-1.el9ost	RHEA-2023:4577
luajit	2.1.0-0.19beta3.el9ost	RHEA-2023:4577
mdi-common	1.6.50.2-4.el9ost	RHEA-2023:4577
mdi-fonts	1.6.50.2-4.el9ost	RHEA-2023:4577
ndisc6	1.0.3-9.el9ost	RHEA-2023:4577
novnc	1.2.0-3.el9ost	RHEA-2023:4577
octavia-amphora-image-fips-x86_64	17.1-20230802.2.el9ost	RHEA-2023:4579
octavia-amphora-image-x86_64	17.1-20230802.2.el9ost	RHEA-2023:4579
openpgm	5.2.122-26.el9ost	RHEA-2023:4577

Name	版本	公告
openstack-ansible-core	2.14.2-4.1.el9ost	RHEA-2023:4577
openstack-aodh-api	12.0.1-1.20221215060810.9ac090b.el9ost	RHEA-2023:4577
openstack-aodh-common	12.0.1-1.20221215060810.9ac090b.el9ost	RHEA-2023:4577
openstack-aodh-compat	12.0.1-1.20221215060810.9ac090b.el9ost	RHEA-2023:4577
openstack-aodh-evaluator	12.0.1-1.20221215060810.9ac090b.el9ost	RHEA-2023:4577
openstack-aodh-expirer	12.0.1-1.20221215060810.9ac090b.el9ost	RHEA-2023:4577
openstack-aodh-listener	12.0.1-1.20221215060810.9ac090b.el9ost	RHEA-2023:4577
openstack-aodh-notifier	12.0.1-1.20221215060810.9ac090b.el9ost	RHEA-2023:4577
openstack-barbican	12.0.3-1.20230515181654.6ee5ad9.el9ost	RHEA-2023:4577
openstack-barbican-api	12.0.3-1.20230515181654.6ee5ad9.el9ost	RHEA-2023:4577
openstack-barbican-common	12.0.3-1.20230515181654.6ee5ad9.el9ost	RHEA-2023:4577
openstack-barbican-keystone-listener	12.0.3-1.20230515181654.6ee5ad9.el9ost	RHEA-2023:4577

Name	版本	公告
openstack-barbican-worker	12.0.3-1.20230515181654.6ee5ad9.el9ost	RHEA-2023:4577
openstack-ceilometer-central	16.0.2-1.20230428061013.7dbb69e.el9ost	RHEA-2023:4577
openstack-ceilometer-common	16.0.2-1.20230428061013.7dbb69e.el9ost	RHEA-2023:4577
openstack-ceilometer-compute	16.0.2-1.20230428061013.7dbb69e.el9ost	RHEA-2023:4577
openstack-ceilometer-ipmi	16.0.2-1.20230428061013.7dbb69e.el9ost	RHEA-2023:4577
openstack-ceilometer-notification	16.0.2-1.20230428061013.7dbb69e.el9ost	RHEA-2023:4577
openstack-ceilometer-polling	16.0.2-1.20230428061013.7dbb69e.el9ost	RHEA-2023:4577
openstack-cinder	18.2.2-1.20230518161042.36649bd.el9ost	RHEA-2023:4577
openstack-dashboard	19.4.1-1.20230513011020.e70464e.el9ost	RHEA-2023:4577
openstack-dashboard-theme	19.0.1-0.el9ost	RHEA-2023:4577
openstack-designate-agent	12.1.1-1.20230503161000.48c0609.el9ost	RHEA-2023:4577
openstack-designate-api	12.1.1-1.20230503161000.48c0609.el9ost	RHEA-2023:4577

Name	版本	公告
openstack-designate-central	12.1.1-1.20230503161000.48c0609.el9ost	RHEA-2023:4577
openstack-designate-common	12.1.1-1.20230503161000.48c0609.el9ost	RHEA-2023:4577
openstack-designate-mdns	12.1.1-1.20230503161000.48c0609.el9ost	RHEA-2023:4577
openstack-designate-producer	12.1.1-1.20230503161000.48c0609.el9ost	RHEA-2023:4577
openstack-designate-sink	12.1.1-1.20230503161000.48c0609.el9ost	RHEA-2023:4577
openstack-designate-ui	12.0.1-1.20220910230720.aedd7ec.el9ost	RHEA-2023:4577
openstack-designate-worker	12.1.1-1.20230503161000.48c0609.el9ost	RHEA-2023:4577
openstack-glance	22.1.2-1.20230310130836.883fc8a.el9ost	RHEA-2023:4577
openstack-heat-agents	2.2.1-1.20220727150309.ed16cc7.el9ost	RHEA-2023:4577
openstack-heat-api	16.1.1-1.20230416001030.2d5a87d.el9ost	RHEA-2023:4577
openstack-heat-api-cfn	16.1.1-1.20230416001030.2d5a87d.el9ost	RHEA-2023:4577
openstack-heat-common	16.1.1-1.20230416001030.2d5a87d.el9ost	RHEA-2023:4577

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openstack-heat-engine	16.1.1-1.20230416001030.2d5a87d.el9ost	RHEA-2023:4577
openstack-heat-monolith	16.1.1-1.20230416001030.2d5a87d.el9ost	RHEA-2023:4577
openstack-heat-ui	5.0.1-1.20221108231052.12d0927.el9ost	RHEA-2023:4577
openstack-ironic-api	17.1.1-1.20230128052013.el9ost	RHEA-2023:4577
openstack-ironic-common	17.1.1-1.20230128052013.el9ost	RHEA-2023:4577
openstack-ironic-conductor	17.1.1-1.20230128052013.el9ost	RHEA-2023:4577
openstack-ironic-inspector	10.6.3-1.20230128051724.9fef41d.el9ost	RHEA-2023:4577
openstack-ironic-inspector-dnsmasq	10.6.3-1.20230128051724.9fef41d.el9ost	RHEA-2023:4577
openstack-ironic-python-agent	7.1.1-1.20230503051000.e1813e1.el9ost	RHEA-2023:4577
openstack-ironic-python-agent-builder	2.8.0-1.20220727182711.e0b51e0.el9ost	RHEA-2023:4577
openstack-ironic-staging-drivers	0.15.1-1.20230408050901.6cd597f.el9ost	RHEA-2023:4577
openstack-ironic-ui	4.3.1-1.20220727151603.98f31e4.el9ost	RHEA-2023:4577
openstack-keystone	19.0.2-1.20221105181142.e4f8289.el9ost	RHEA-2023:4577
openstack-manila	12.1.3-1.20230224120957.1274f07.el9ost	RHEA-2023:4577
openstack-manila-share	12.1.3-1.20230224120957.1274f07.el9ost	RHEA-2023:4577

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openstack-manila-ui	5.1.1-1.20221130040825.db23e83.el9ost	RHEA-2023:4577
openstack-network-scripts	10.11.1-6.el9ost	RHEA-2023:4577
openstack-network-scripts-openvswitch3.1	10.11.1-6.el9ost	RHEA-2023:4577
openstack-neutron	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-neutron-bgp-dragent	18.1.1-1.20221108161121.1ba3fb1.el9ost	RHEA-2023:4577
openstack-neutron-bigswitch-agent	12.0.3-1.20221014011337.96cf540.el9ost	RHEA-2023:4577
openstack-neutron-common	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-neutron-dynamic-routing-common	18.1.1-1.20221108161121.1ba3fb1.el9ost	RHEA-2023:4577
openstack-neutron-l2gw-agent	18.0.0-1.20220727153805.37f190c.el9ost	RHEA-2023:4577
openstack-neutron-linuxbridge	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-neutron-macvtap-agent	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-neutron-metering-agent	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-neutron-ml2	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-neutron-openvswitch	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-neutron-ovn-metadata-agent	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-neutron-ovn-migration-tool	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-neutron-rpc-server	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577

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openstack-neutron-sriov-nic-agent	18.6.1-1.20230518200971.el9ost	RHEA-2023:4577
openstack-nova	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-nova-api	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-nova-common	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-nova-compute	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-nova-conductor	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-nova-migration	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-nova-novncproxy	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-nova-scheduler	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-nova-serialproxy	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-nova-spicehtml5proxy	23.2.3-1.20230518170960.el9ost	RHEA-2023:4577
openstack-octavia-amphora-agent	8.0.2-1.20230502161604.99d7e2b.el9ost	RHEA-2023:4577
openstack-octavia-api	8.0.2-1.20230502161604.99d7e2b.el9ost	RHEA-2023:4577
openstack-octavia-common	8.0.2-1.20230502161604.99d7e2b.el9ost	RHEA-2023:4577
openstack-octavia-diskimage-create	8.0.2-1.20230502161604.99d7e2b.el9ost	RHEA-2023:4577
openstack-octavia-health-manager	8.0.2-1.20230502161604.99d7e2b.el9ost	RHEA-2023:4577
openstack-octavia-housekeeping	8.0.2-1.20230502161604.99d7e2b.el9ost	RHEA-2023:4577

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

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openstack-tripleo-common-devtools	15.4.1-1.20230518211054.el9ost	RHEA-2023:4577
openstack-tripleo-heat-templates	14.3.1-1.20230519151020.el9ost	RHEA-2023:4577
openstack-tripleo-image-elements	13.1.3-1.20230322221017.a641940.el9ost	RHEA-2023:4577
openstack-tripleo-puppet-elements	14.1.3-1.20230221221303.23b0079.el9ost	RHEA-2023:4577
openstack-tripleo-validations	14.3.2-1.20230421031001.c768acb.el9ost	RHEA-2023:4577
os-apply-config	13.1.0-1.20220727112728.474068e.el9ost	RHEA-2023:4577
os-collect-config	13.1.0-1.20220727142450.3a7d05a.el9ost	RHEA-2023:4577
os-net-config	14.2.1-1.20230412012160.el9ost	RHEA-2023:4577
os-refresh-config	13.1.0-1.20220727112622.5bb536c.el9ost	RHEA-2023:4577
ovn-bgp-agent	0.4.1-1.20230512001005.el9ost	RHEA-2023:4577
pmu-data	109-3.el9ost	RHEA-2023:4577
pmu-tools	109-3.el9ost	RHEA-2023:4577
puppet	7.10.0-2.el9ost	RHEA-2023:4577
puppet-aodh	18.4.2-1.20230131221616.3e47b5a.el9ost	RHEA-2023:4577
puppet-apache	6.5.2-0.20220708185123.e4a1532.el9ost	RHEA-2023:4577

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puppet-archive	4.6.1-0.20220708125017.bc7e4ff.el9ost	[RHEA-2023:4577](#)
puppet-auditd	2.2.1-1.20220727113245.189b22b.el9ost	[RHEA-2023:4577](#)
puppet-barbican	18.4.2-1.20221108083811.af6c77b.el9ost	[RHEA-2023:4577](#)
puppet-ceilometer	18.4.3-1.20230505010953.5050368.el9ost	[RHEA-2023:4577](#)
puppet-certmonger	2.7.1-0.20220708130814.3e2e660.el9ost	[RHEA-2023:4577](#)
puppet-cinder	18.5.2-1.20230127000858.6aa60e7.el9ost	[RHEA-2023:4577](#)
puppet-collectd	13.0.1-1.20230413150957.ad138a7.el9ost	[RHEA-2023:4577](#)
puppet-concat	6.2.1-0.20220708124348.dfeabb9.el9ost	[RHEA-2023:4577](#)
puppet-corosync	8.0.1-0.20220708132338.6a9da9a.el9ost	[RHEA-2023:4577](#)
puppet-designate	18.6.1-1.20230131222245.f4c0b89.el9ost	[RHEA-2023:4577](#)
puppet-dns	8.2.1-1.20220727161138.70f5b28.el9ost	[RHEA-2023:4577](#)
puppet-etcd	1.12.3-0.20220708134753.e143c2d.el9ost	[RHEA-2023:4577](#)
puppet-fdio	18.2-1.20220727113954.6fd1c8e.el9ost	[RHEA-2023:4577](#)

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

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puppet-keystone	18.6.1-1.20230218001345.67ff287.el9ost	RHEA-2023:4577
puppet-kmod	2.5.0-0.20220708132126.52e31e3.el9ost	RHEA-2023:4577
puppet-manila	18.5.2-1.20230127001703.a72a7d5.el9ost	RHEA-2023:4577
puppet-memcached	6.0.0-0.20220708130345.4c70dbd.el9ost	RHEA-2023:4577
puppet-module-data	0.5.1-0.20220708141002.28dafce.el9ost	RHEA-2023:4577
puppet-mysql	10.6.1-0.20220708235631.937d044.el9ost	RHEA-2023:4577
puppet-neutron	18.6.1-1.20221226003124.el9ost	RHEA-2023:4577
puppet-nova	18.6.1-1.20221226002121.65b15ad.el9ost	RHEA-2023:4577
puppet-nssdb	1.0.2-0.20220708131512.2ed2a2d.el9ost	RHEA-2023:4577
puppet-octavia	18.5.1-1.20230131223407.842492c.el9ost	RHEA-2023:4577
puppet-openstack_extras	18.5.1-1.20221108091707.504e1a0.el9ost	RHEA-2023:4577
puppet-openstacklib	18.5.2-1.20221219231920.64d8ac6.el9ost	RHEA-2023:4577
puppet-oslo	18.5.1-1.20221219231819.fe2a147.el9ost	RHEA-2023:4577
puppet-ovn	18.6.1-1.20230413011101.7805f7e.el9ost	RHEA-2023:4577

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puppet-pacemaker	1.5.1-1.20221226003830.7add073.el9ost	RHEA-2023:4577
puppet-placement	5.4.3-1.20230131222430.e7557a5.el9ost	RHEA-2023:4577
puppet-qdr	7.4.1-1.20220727114105.8a575de.el9ost	RHEA-2023:4577
puppet-rabbitmq	11.0.1-1.20230428151021.63fee2c.el9ost	RHEA-2023:4577
puppet-redis	6.1.1-0.20220708133131.547105e.el9ost	RHEA-2023:4577
puppet-remote	10.0.0-0.20220708134022.7420908.el9ost	RHEA-2023:4577
puppet-rsync	1.1.4-0.20220708190404.ea6397e.el9ost	RHEA-2023:4577
puppet-rsyslog	4.0.1-1.20220727114715.2548a0d.el9ost	RHEA-2023:4577
puppet-snmp	3.9.1-0.20220708142128.5d73485.el9ost	RHEA-2023:4577
puppet-ssh	6.2.1-0.20220708131619.6e0f430.el9ost	RHEA-2023:4577
puppet-stdlib	6.3.1-1.20220808112706.7c1ae25.el9ost	RHEA-2023:4577
puppet-swift	18.6.1-1.20221219231232.f105ffc.el9ost	RHEA-2023:4577
puppet-sysctl	0.0.13-0.20220708125726.847ec1c.el9ost	RHEA-2023:4577

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puppet-systemd	2.12.1-0.20220708133123.8f68b0d.el9ost	RHEA-2023:4577
puppet-tripleo	14.2.3-1.20230517011019.el9ost	RHEA-2023:4577
puppet-vcsrepo	3.1.1-0.20220708130257.a36ee18.el9ost	RHEA-2023:4577
puppet-vswitch	14.4.3-1.20221109011054.51e82ca.el9ost	RHEA-2023:4577
puppet-xinetd	3.3.1-0.20220708130858.8d460c4.el9ost	RHEA-2023:4577
python-openstackclient-lang	5.5.2-1.20230404121004.42d9b6e.el9ost	RHEA-2023:4577
python-oslo-cache-lang	2.7.1-1.20220727180101.d0252f6.el9ost	RHEA-2023:4577
python-oslo-concurrency-lang	4.4.0-1.20220727123028.7dcf9e9.el9ost	RHEA-2023:4577
python-oslo-db-lang	8.5.2-1.20221011023028.26fd6fb.el9ost	RHEA-2023:4577
python-oslo-i18n-lang	5.0.1-1.20220727101232.73187bd.el9ost	RHEA-2023:4577
python-oslo-log-lang	4.4.0-1.20220727124451.9b29c90.el9ost	RHEA-2023:4577
python-oslo-middleware-lang	4.2.1-1.20220727173907.b40ca5f.el9ost	RHEA-2023:4577
python-oslo-policy-lang	3.7.1-1.20220727162742.639b471.el9ost	RHEA-2023:4577

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python-oslo-privsep-lang	2.5.1-1.20230516120959.1634c00.el9ost	RHEA-2023:4577
python-oslo-utils-lang	4.8.2-1.20230201111008.a38b56a.el9ost	RHEA-2023:4577
python-oslo-versionedobjects-lang	2.4.1-1.20220727173339.89ff171.el9ost	RHEA-2023:4577
python-oslo-vmware-lang	3.8.2-1.20220810170822.dc1a466.el9ost	RHEA-2023:4577
python-pycadf-common	3.1.1-1.20220727130556.4179996.el9ost	RHEA-2023:4577
python3-GitPython	3.1.14-1.el9ost	RHEA-2023:4577
python3-ImcSdk	0.9.6-2.el9ost	RHEA-2023:4577
python3-XStatic	1.0.1-23.el9ost	RHEA-2023:4577
python3-XStatic-Angular	1.5.8.0-15.el9ost	RHEA-2023:4577
python3-XStatic-Angular-Bootstrap	2.2.0.0-6.el9ost	RHEA-2023:4577
python3-XStatic-Angular-FileUpload	12.0.4.0-14.el9ost	RHEA-2023:4577
python3-XStatic-Angular-Gettext	2.3.8.0-2.el9ost	RHEA-2023:4577
python3-XStatic-Angular-Schema-Form	0.8.13.0-2.el9ost	RHEA-2023:4577
python3-XStatic-Angular-UUID	0.0.4.0-13.el9ost	RHEA-2023:4577
python3-XStatic-Angular-Vis	4.16.0.0-10.el9ost	RHEA-2023:4577
python3-XStatic-Angular-Irdragndrop	1.0.2.2-20.el9ost	RHEA-2023:4577
python3-XStatic-Bootstrap-Datepicker	1.3.1.0-20.el9ost	RHEA-2023:4577

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python3-XStatic-Bootstrap-SCSS	3.4.1.0-3.el9ost	RHEA-2023:4577
python3-XStatic-D3	3.5.17.0-14.el9ost	RHEA-2023:4577
python3-XStatic-FileSaver	1.3.2.0-10.el9ost	RHEA-2023:4577
python3-XStatic-Font-Awesome	4.7.0.0-6.el9ost	RHEA-2023:4577
python3-XStatic-Hogan	2.0.0.2-21.el9ost	RHEA-2023:4577
python3-XStatic-JQuery-Migrate	1.2.1.1-21.el9ost	RHEA-2023:4577
python3-XStatic-JQuery-TableSorter	2.14.5.1-21.el9ost	RHEA-2023:4577
python3-XStatic-JQuery-quicksearch	2.0.3.1-21.el9ost	RHEA-2023:4577
python3-XStatic-JS-Yaml	3.8.1.0-11.el9ost	RHEA-2023:4577
python3-XStatic-JSEncrypt	2.3.1.1-13.el9ost	RHEA-2023:4577
python3-XStatic-Jasmine	2.4.1.1-13.el9ost	RHEA-2023:4577
python3-XStatic-Json2yaml	0.1.1.0-10.el9ost	RHEA-2023:4577
python3-XStatic-Magic-Search	0.2.5.1-16.el9ost	RHEA-2023:4577
python3-XStatic-Rickshaw	1.5.0.0-23.el9ost	RHEA-2023:4577
python3-XStatic-Spin	1.2.5.2-22.el9ost	RHEA-2023:4577
python3-XStatic-bootswatch	3.3.7.0-15.el9ost	RHEA-2023:4577
python3-XStatic-jQuery	1.12.4.1-2.el9ost	RHEA-2023:4577
python3-XStatic-jquery-ui	1.12.0.1-13.el9ost	RHEA-2023:4577
python3-XStatic-mdi	1.6.50.2-4.el9ost	RHEA-2023:4577
python3-XStatic-objectpath	1.2.1.0-2.el9ost	RHEA-2023:4577
python3-XStatic-roboto-fontface	0.5.0.0-17.el9ost	RHEA-2023:4577

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python3-XStatic-smart-table	1.4.13.2-13.el9ost	RHEA-2023:4577
python3-XStatic-termjs	0.0.7.0-13.el9ost	RHEA-2023:4577
python3-XStatic-tv4	1.2.7.0-2.el9ost	RHEA-2023:4577
python3-adal	1.2.0-2.el9ost	RHEA-2023:4577
python3-amqp	5.0.6-2.el9ost	RHEA-2023:4577
python3-aniso8601	9.0.1-1.el9ost	RHEA-2023:4577
python3-ansible-runner	2.0.0a1-3.el9ost	RHEA-2023:4577
python3-anyjson	0.3.3-24.el9ost	RHEA-2023:4577
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python3-oslo-upgradecheck	1.3.1-1.20220727173232.9561ecb.el9ost	RHEA-2023:4577
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