

MCP Q4`18 Openstack Ocata (including Auxiliary components)			
Package	License(s)	Crypto algorithm	Max key length
alembic	Boost Software License 1.0 MIT License	md5	128
		crypt	Single Fixed Key Length 65
		sha	512
aodh	Apache License 2.0		
bandit	Apache License 2.0		
barbican	Apache License 2.0		
betamax	Apache License 2.0		
ceilometer	Apache License 2.0		
cinder	Apache License 2.0		
collectd	(ISC License OR GNU General Public License v2.0 or later OR BSD 3-clause "New" or "Revised" License OR zlib License OR Apache License 2.0 OR MIT License OR GNU Library General Public License v2 or later OR BSD 2-clause "Simplified" License OR GNU General Public License v3.0 only) GNU General Public License v2.0 or later		
debhelper	GNU General Public License v2.0 or later		
designate	Apache License 2.0		
dh-autoreconf	GNU General Public License v2.0 or later		
django-nose	BSD 3-clause "New" or "Revised" License		
dnspython	ISC License		
dpdk	(GNU General Public License v2.0 or later AND Apache License 2.0 AND Sun Industry Standards Source License v1.1) (GNU General Public License v2.0 or later AND BSD 3-clause "New" or "Revised" License AND GNU Library General Public License v2 or later)	sha	512
erlang		md5	128
			256
			128
			256
fluent-logger-python	Apache License 2.0		
glance	Apache License 2.0		
glare	Apache License 2.0		
haproxy	MIT License GNU General Public License v2.0 or later		
heat	Apache License 2.0		
horizon-contrail-panels	Apache License 2.0		
horizon-mirantis-theme			
horizon-overrides-plugin	Apache License 2.0		
horizon-vendor-theme			
i40e-dkms			
ironic	(GNU General Public License v2.0 or later AND Apache License 2.0) Apache License 2.0		
ironic-inspector	Apache License 2.0		
ixgbe-dkms			
keystone	Apache License 2.0		
liberasurecode	BSD 3-clause "New" or "Revised" License	md5	128
libjs-bootswatch	Expat License		
libvirt-python	GNU Lesser General Public License v3.0 or later		
manila	Apache License 2.0		
mirascan			
mod-wsgi	Apache License 2.0		
monasca-statsd	Apache License 2.0		
murano	Apache License 2.0		
mysql-wsrep-5.6	GNU General Public License v3.0 or later, GNU General Public License v2.0 or later	md5	128
		crypt	Single Fixed Key Length 65
		arcfour	2048
		aes	256
		hmac	160

MCP Q4`18 Openstack Ocata (including Auxilary components)			
Package	License(s)	Crypto algorithm	Max key length
		dsa	unlimited, typically <=8192
		sha	512
		md4	128
		rsa	unlimited, typically <=8192
		lex	128
		blowfish	448
		des	Single Fixed Key Length 56
		md2	128
		md5	128
		crypt	Single Fixed Key Length 65
		arcfour	2048
		aes	256
		hmac	160
		dsa	unlimited, typically <=8192
		sha	512
		md4	128
		rsa	unlimited, typically <=8192
		lex	128
		blowfish	448
		des	Single Fixed Key Length 56
		md2	128
netmiko			
networking-ovn	Apache License 2.0		
neutron	Apache License 2.0		
neutron-fwaas	Apache License 2.0		
neutron-lbaas	Apache License 2.0		
nova	Apache License 2.0		
octavia	Apache License 2.0		
openstack-pkg-tools	Apache License 2.0		
openvswitch	GNU General Public License v2.0 or later, Apache License 2.0, Sun Industry Standards Source License v1.1	sha	512
oslo-sphinx	Apache License 2.0		
panko	Apache License 2.0		
paramiko	GNU Lesser General Public License v3.0 or later, GNU Library General Public License v2 or later		
percona-xtrabackup	GNU Lesser General Public License v3.0 or later (GNU General Public License v2.0 only AND MySQL GPL2 FLOSS Exception v0.6 License) GNU General Public License v2.0 or later	md5	128
		crypt	Single Fixed Key Length 65
		arcfour	2048
		aes	256
		hmac	160
		dsa	unlimited, typically <=8192
		sha	512
		md4	128
		rsa	unlimited, typically <=8192
		md2	128
		blowfish	448
		des	Single Fixed Key Length 56
lex	128		
prometheus-bin	Apache License 2.0		
pycodestyle	Expat License		
pyinotify	MIT License		
pyarsing	MIT License		
pyroute2	Apache License 2.0, GNU General Public License v2.0 or later		
pytest-runner	MIT License		

MCP Q4`18 Openstack Ocata (including Auxilary components)			
Package	License(s)	Crypto algorithm	Max key length
python-aodhclient	Apache License 2.0		
python-babel	BSD 3-clause "New" or "Revised" License		
python-barbicanclient	Apache License 2.0		
python-bintrees	MIT License		
python-cachetools	MIT License		
python-ceilometerclient	Apache License 2.0		
python-ceilometermiddleware	Apache License 2.0		
python-cinderclient	Apache License 2.0		
python-cliff	Apache License 2.0		
python-congressclient	Apache License 2.0		
python-cotyledon	Apache License 2.0		
python-coverage	(Alternative Commercial License Available OR ActiveState Community License 2013), Apache License 2.0, MIT License (MIT License OR GNU General Public License v3.0 or later)	dsa camellia aes cmac ecdsa md5 sha diffiehellman blowfish cast des ecdh	unlimited, typically <=8192 256 256 0 unlimited, elliptic curve dsa 128 512 unlimited 448 128 Single Fixed Key Length 56 unlimited, elliptic curve diffiehellman
python-cryptography	Apache License 2.0 (BSD 3-clause "New" or "Revised" License OR Apache License 2.0)	py hmac	2048, related to rc4 160
python-cryptography-vectors	Apache License 2.0	dsa	unlimited, typically <=8192
python-cursive	Apache License 2.0		
python-designateclient	Apache License 2.0		
python-diskimage-builder	MIT License, Apache License 2.0		
python-django	BSD 3-clause "New" or "Revised" License, MIT License, Apache License 2.0	dsa crypt arcfour camellia aes decim hmac md5 isaac sha md4 elgamal	unlimited, typically <=8192 Single Fixed Key Length 65 2048 256 256 Multiple Fixed Key Lengths 80, 128 160 128 User Definable Key Length within a Closed Range 1, 1024 512 128 unlimited
python-django-babel	BSD 3-clause "New" or "Revised" License		
python-django-openstack-auth	BSD 3-clause "New" or "Revised" License Apache License 2.0		
python-dogpile.cache	BSD 3-clause "New" or "Revised" License		
python-elasticsearch	Apache License 2.0	crypt arcfour camellia aes cmac dsa diffiehellman blowfish	Single Fixed Key Length 65 2048 256 256 0 unlimited, typically <=8192 unlimited 448

MCP Q4`18 Openstack Ocata (including Auxiliary components)			
Package	License(s)	Crypto algorithm	Max key length
		des	Single Fixed Key Length 56
python-fitures	Apache License 2.0 (BSD 3-clause "New" or "Revised" License OR Apache License 2.0)		
python-flake8	MIT License		
python-gabbi	Apache License 2.0		
python-git	BSD 3-clause "New" or "Revised" License		
python-glance-store	Creative Commons Attribution 3.0, Apache License 2.0		
python-glanceclient	Apache License 2.0		
python-gnocchiclient	Apache License 2.0		
python-hacking	Apache License 2.0		
python-heatclient	Apache License 2.0		
python-imagesize	MIT License		
python-ironic-inspector-client	Apache License 2.0		
python-ironic-lib	Apache License 2.0		
python-ironic-staging-drivers	Apache License 2.0		
python-ironicclient	Apache License 2.0		
python-kafka	Apache License 2.0		
python-keyring	Python 3.0a1 License, MIT License		
python-keystoneauth1	Apache License 2.0		
python-keystoneclient	Apache License 2.0		
python-keystonemiddleware	Apache License 2.0		
python-ldappool	Apache License 2.0		
python-magnumclient	Apache License 2.0		
python-manilaclient	Apache License 2.0		
python-mccabe	MIT License, Python License 2.0, Expat License		
python-microversion-parse	Apache License 2.0		
python-mistralclient	Apache License 2.0		
python-mock	BSD 3-clause "New" or "Revised" License, Apache License 2.0		
python-monascaclient	Apache License 2.0		
python-murano-pkg-check	Apache License 2.0		
python-muranoclient	Apache License 2.0		
python-neutron-lib	Apache License 2.0		
python-neutronclient	Apache License 2.0		
python-novaclient	Apache License 2.0		
python-openstackclient	Apache License 2.0		
python-openstackdocstheme	MIT License, Apache License 2.0		
python-openstacksdk	Apache License 2.0		
python-os-api-ref	Apache License 2.0		
python-os-brick	Apache License 2.0		
python-os-client-config	Apache License 2.0		
python-os-testr	Apache License 2.0		
python-os-vif	Apache License 2.0		
python-os-win	Apache License 2.0		
python-os-xenapi	Apache License 2.0		
python-osc-lib	Apache License 2.0		
python-oslo.cache	Apache License 2.0		
python-oslo.concurrency	Apache License 2.0		
python-oslo.config	Apache License 2.0		
python-oslo.context	Apache License 2.0		
python-oslo.db	Apache License 2.0		
python-oslo.i18n	Apache License 2.0		
python-oslo.log	Apache License 2.0		
python-oslo.messaging	BSD 3-clause "New" or "Revised" License, Apache License 2.0		

MCP Q4`18 Openstack Ocata (including Auxilary components)			
Package	License(s)	Crypto algorithm	Max key length
python-oslo.middleware	Apache License 2.0		
python-oslo.policy	Apache License 2.0		
python-oslo.privsep	Apache License 2.0		
python-oslo.reports	Apache License 2.0		
python-oslo.rootwrap	Apache License 2.0		
python-oslo.serialization	Apache License 2.0		
python-oslo.service	Apache License 2.0		
python-oslo.utils	Apache License 2.0		
python-oslo.versionedobjects	Apache License 2.0		
python-oslo.vmware	Apache License 2.0		
python-oslotest	Apache License 2.0		
python-osprofiler	Apache License 2.0		
python-pankoclient	GNU General Public License v3.0 or later Apache License 2.0		
python-passlib	BSD 3-clause "New" or "Revised" License		
python-pbr	MIT License Apache License 2.0	md5 sha	
python-pecan	BSD 3-clause "New" or "Revised" License		
python-positional	Apache License 2.0		
python-pycadf	Apache License 2.0		
python-pyeclib	BSD 3-clause "New" or "Revised" License		
python-pyev	(GNU General Public License v2.0 or later OR Basic Proprietary Commercial License OR GNU General Public License v3.0 or later) BSD 4-clause "Original" or "Old" License (GNU General Public License v3.0 only AND GNU General Public License v3.0 or later) MIT License, Krb5-MIT License	camellia aes cmac pbkdf2 hmac md5 sha md4 rsa des rc4	256 256 0 hash 160 128 512 128 unlimited, typically <=8192 Single Fixed Key Length 56 2048
python-pyghmi	Apache License 2.0		
python-pykmip	Apache License 2.0		
python-pymysql	MIT License		
python-reno	Apache License 2.0		
python-requests-mock	Apache License 2.0		
python-rfc3986	Apache License 2.0		
python-saharacient	Apache License 2.0		
python-senlinclient	Apache License 2.0		
python-swiftclient	BSD 3-clause "New" or "Revised" License, Apache License 2.0		
python-tackerclient	Apache License 2.0		
python-taskflow	Apache License 2.0		
python-tenacity	Apache License 2.0		
python-tinyrpc	MIT License		
python-tooz	Apache License 2.0		
python-troveclient	Apache License 2.0		
python-urllib3	MIT License		
python-webob	MIT License		
python-wsgi-intercept			
python-xstatic-angular	MIT License Apache License 2.0 Expat License		
python-xstatic-angular-bootstrap	MIT License		
python-xstatic-angular-fileupload	Apache License 2.0, MIT License		
python-xstatic-angular-schema-form	MIT License		

MCP Q4`18 Openstack Ocata (including Auxilary components)			
Package	License(s)	Crypto algorithm	Max key length
python-xstatic-mdi	SIL Open Font License 1.1, MIT License, Apache License 2.0		
python-xstatic-objectpath	MIT License		
python-xstatic-tv4	Public Domain MIT License		
python-zaqarclient	Apache License 2.0		
rabbitmq-server	(GNU General Public License v2.0 or later AND Apache License 2.0 AND Mozilla Public License 1.1) GNU Lesser General Public License v2.1 or later MIT License GNU General Public License v2.0 or later Mozilla Public License 1.1		
requests	MIT License Apache License 2.0		
ruby-openstack	MIT License		
ryu	Apache License 2.0		
sahara	Apache License 2.0		
sahara-dashboard	Apache License 2.0		
sphinx	BSD 3-clause "New" or "Revised" License, Python License 2.0), (GNU General Public License v2.0 or later OR MIT License) Boost Software License 1.0, BSD 3-clause "New" or "Revised" License, BSD 2-clause "Simplified" License, MIT License		
sqlalchemy	MIT License		
stevedore	Apache License 2.0		
swift	Apache License 2.0		
td-agent-additional-plugins	BSD 3-clause "New" or "Revised" License, MIT License, Apache License 2.0		
tempest	Apache License 2.0		
vlan	GNU Library General Public License v2 or later		
voluptuous	BSD 3-clause "New" or "Revised" License		
websocket-client	GNU Lesser General Public License v3.0 or later, GNU Lesser General Public License v2.1 or later		
websocketify	GNU Lesser General Public License v3.0 or later GNU Lesser General Public License v3.0 only BSD 3-clause "New" or "Revised" License MIT License	tripleDES	168
		arcfour	2048
		aes	256
		hmac	160
		md5	128
		sha	512
		rsa	unlimited, typically <=8192
		md2	128
		blowfish	448
		des	Single Fixed Key Length 56

MCP Q4`18 Openstack Pike (including Auxiliary Components)			
Package	License(s)	Crypto algorithm	Max key length
alembic	MIT License Alternative Commercial License	md5	128
		crypt	Single Fixed Key Length 65
		sha	512
aodh	Apache License 2.0		
asn1crypto	MIT License		
bandit	Apache License 2.0		
barbican	Apache License 2.0		
beautifulsoup4	MIT License		
betamax	Apache License 2.0		
case	BSD 3-clause "New" or "Revised" License		
ceilometer	Apache License 2.0		
chardet	GNU Lesser General Public License v2.1 or later		
cinder	Apache License 2.0		
cmake			
debhelper	GNU General Public License v2.0 or later		
defusedxml	Python License 2.0		
designate	Apache License 2.0		
designate-dashboard	Apache License 2.0		
device-tree-compiler	GNU General Public License v2.0 or later		
dh-autoreconf	GNU General Public License v2.0 or later		
django-nose	BSD 3-clause "New" or "Revised" License		
dnsmasq	GNU General Public License v2.0 only (GNU Affero General Public License v3.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later)		
dnspython	ISC License		
dppdk	BSD 3-clause "New" or "Revised" License (Apache License 2.0 AND GNU Library General Public License v2 or later AND Sun Industry Standards Source License v1.1)	sha	512
dulwich	(GNU General Public License v2.0 or later OR Apache License 2.0)		
edk2	Jython License, Apache License 2.0 (Artistic License 1.0 OR GNU General Public License v2.0 or later), The Open SSL License AND SLeay License, Artistic License 1.0 OR GNU General Public License v1.0 or later, BSD 2-clause "Simplified" License	crypt	Single Fixed Key Length 65
		arcfour	2048
		camellia	256
		aes	256
		cmac	0
		dsa	unlimited, typically <=8192
		diffiehellman	unlimited
		blowfish	448
		cast	128
		des	Single Fixed Key Length 56
		ecdh	unlimited, elliptic curve diffiehellman
erlang	W3C Software Notice and License (1998-07-20), BSD 3-clause "New" or "Revised" License, Apache License 2.0	md5	128
		aes	256
exabgp	BSD 3-clause "New" or "Revised" License		
fluent-logger-python	Apache License 2.0		
freezegun	Apache License 2.0		
glance	Apache License 2.0		
gnocchi	Apache License 2.0		
heat	Apache License 2.0		
heat-agents	Apache License 2.0		
heat-translator	Apache License 2.0		
horizon-contrail-panels	Apache License 2.0		
horizon-mirantis-theme			
horizon-overrides-plugin	Apache License 2.0		
i40e			
ipxe	GNU General Public License v2.0 or later	arcfour	2048
		aes	256
		srp	auth

MCP Q4`18 Openstack Pike (including Auxiliary Components)			
Package	License(s)	Crypto algorithm	Max key length
		rsa	unlimited, typically <=8192
		md5	128
		sha	512
		hmac	160
		blowfish	448
		tkip	Single Fixed Key Length 128
ipxe-qemu-256k-compatible	GNU General Public License v2.0 or later	arcfour	2048
		aes	256
		hmac	160
		md5	128
		sha	512
		rsa	unlimited, typically <=8192
		srp	auth
		tkip	Single Fixed Key Length 128
ironic	Apache License 2.0		
ironic-inspector	Apache License 2.0		
ironic-python-agent	Apache License 2.0		
keystone	Apache License 2.0		
kombu	BSD 3-clause "New" or "Revised" License		
liberasurecode	BSD 3-clause "New" or "Revised" License	md5	128
libjs-bootswatch	Expat License		
libvirt	GNU Lesser General Public License v2.1 only		
libvirt-python	GNU Lesser General Public License v2.1 only		
manila	Apache License 2.0		
manila-ui	Apache License 2.0		
migrate	MIT License Apache License 2.0		
mirascan			
mod-wsgi	Apache License 2.0		
monasca-statsd	Apache License 2.0		
mysql-wsrep-5.6	GNU General Public License v3.0 or later, GNU General Public License v2.0 or later	md5	128
		crypt	Single Fixed Key Length 65
		arcfour	2048
		aes	256
		hmac	160
		dsa	unlimited, typically <=8192
		sha	512
		md4	128
		rsa	unlimited, typically <=8192
		lex	128
		blowfish	448
		des	Single Fixed Key Length 56
		md2	128
nettle	(GNU General Public License v2.0 or later OR GNU Lesser General Public License v3.0 or later) GNU Lesser General Public License v2.1 or later	crypt	Single Fixed Key Length 65
		arcfour	2048
		camellia	256
		aes	256
		ecdsa	unlimited, elliptic curve dsa
		dsa	unlimited, typically <=8192
		hmac	160
		blowfish	448
		cast	128
		des	Single Fixed Key Length 56
		sha	512
		srp	auth
		cast	128
		des	Single Fixed Key Length 56

MCP Q4`18 Openstack Pike (including Auxiliary Components)			
Package	License(s)	Crypto algorithm	Max key length
ndg-httpsclient	BSD 3-clause "New" or "Revised" License		
netmiko	Boost Software License 1.0 (BSD 3-clause "New" or "Revised" License AND MIT License) MIT License (GNU General Public License v2.0 or later AND Apache License 2.0 AND MIT License AND Creative Commons Attribution 2.5 AND GNU General Public License v3.0 or later)		
networking-bagpipe	Apache License 2.0		
networking-baremetal	Apache License 2.0		
networking-bgpvpn	Apache License 2.0		
networking-generic-switch	Apache License 2.0		
networking-l2gw	Apache License 2.0		
networking-midonet	Apache License 2.0		
networking-odl	Apache License 2.0		
networking-ovn	Apache License 2.0		
networking-sfc	Apache License 2.0		
neutron	Apache License 2.0		
neutron-dynamic-routing	Apache License 2.0		
neutron-fwaas	Apache License 2.0		
neutron-fwaas-dashboard	Apache License 2.0		
neutron-lbaas	Apache License 2.0		
neutron-taas	Apache License 2.0		
nova	Apache License 2.0		
octavia	Apache License 2.0		
opencap	ICU License Boost Software License 1.0 MIT License GNU Library General Public License v2 or later		
openstack-pkg-tools	Apache License 2.0		
openvswitch	Apache License 2.0	sha	512
oslo-sphinx	Apache License 2.0		
pandas	BSD 3-clause "New" or "Revised" License, (BSD 3-clause "New" or "Revised" License OR BSD 2-clause "Simplified" License)		
panko	Apache License 2.0		
paramiko	GNU Lesser General Public License v3.0 or later GNU Library General Public License v2 or later		
pycodestyle	Expat License		
pygments	BSD 3-clause "New" or "Revised" License		
pyinotify	MIT License		
pyopenssl	Apache License 2.0		
pyparsing	GNU General Public License v2.0 or later, GNU General Public License v3.0 or later, MIT License		
pyroute2	(GNU General Public License v2.0 or later AND Apache License 2.0) Boost Software License 1.0, MIT License		
pytest	MIT License		
pytest-runner	MIT License		
python-amqp	BSD 3-clause "New" or "Revised" License		
python-aodhclient	Apache License 2.0		
python-babel	BSD 3-clause "New" or "Revised" License		
python-barbicanclient	Apache License 2.0		
python-bcrypt	Apache License 2.0		
python-brick-cinderclient-ext	Apache License 2.0		
python-cachetools	MIT License		
python-castellan	Apache License 2.0		
python-ceilometerclient	Apache License 2.0		
python-ceilometermiddleware	Apache License 2.0		
python-cffi	MIT License		
python-cinderclient	Apache License 2.0		
python-cliff	Apache License 2.0		
python-congressclient	Apache License 2.0		
python-cotyledon	MIT License Apache License 2.0		
python-coverage	Alternative Commercial License Available OR ActiveState Community License 2010, Apache License 2.0, MIT License	dsa	unlimited, typically <=8192

MCP Q4`18 Openstack Pike (including Auxiliary Components)			
Package	License(s)	Crypto algorithm	Max key length
	Community License 2013, Apache License 2.0, MIT License, GNU General Public License v3.0 or later	camellia	256
		aes	256
		cmac	0
		ecdsa	unlimited, elliptic curve dsa
		md5	128
		sha	512
		diffiehellman	unlimited
		blowfish	448
		cast	128
		des	Single Fixed Key Length 56
		ecdh	unlimited, elliptic curve diffiehellman
python-cryptography	(BSD 3-clause "New" or "Revised" License OR Apache License 2.0)	py	2048, related to rc4
		hmac	160
python-cryptography-vectors	Apache License 2.0 (BSD 3-clause "New" or "Revised" License OR Apache License 2.0)	dsa	unlimited, typically <=8192
		py	2048, related to rc4
		hmac	160
python-cursive	Apache License 2.0		
python-daiquiri	Apache License 2.0		
python-deprecation	Apache License 2.0		
python-designateclient	Apache License 2.0		
python-diskimage-builder	MIT License, Apache License 2.0		
python-django-babel	BSD 3-clause "New" or "Revised" License		
python-django-compressor	MIT License		
python-django-openstack-auth	Apache License 2.0		
python-dogpile.cache	BSD 3-clause "New" or "Revised" License		
python-eventlet	MIT License		
python-fastimport	GNU General Public License v2.0 or later		
python-fixtures	Apache License 2.0 (BSD 3-clause "New" or "Revised" License OR Apache License 2.0)		
python-flake8	MIT License		
python-futurist	Apache License 2.0		
python-gabbi	Apache License 2.0		
python-git	BSD 3-clause "New" or "Revised" License		
python-glance-store	Creative Commons Attribution 3.0, Apache License 2.0		
python-glanceclient	Apache License 2.0		
python-gnocchiclient	Apache License 2.0		
python-hacking	Apache License 2.0		
python-heatclient	Apache License 2.0		
python-hypothesis	Mozilla Public License 2.0		
python-idna	BSD 3-clause "New" or "Revised" License, Python License 2.0, Unicode License		
python-imagesize	MIT License		
python-ironic-inspector-client	Apache License 2.0		
python-ironic-lib	Apache License 2.0		
python-ironicclient	Apache License 2.0		
python-kafka	Apache License 2.0		
python-keyring	(Python 3.0a1 License AND MIT License) MIT License		
python-keystoneauth1	Apache License 2.0		
python-keystoneclient	Apache License 2.0		
python-keystonemiddleware	Apache License 2.0		
python-ldappool	Apache License 2.0		
python-lz4	BSD 3-clause "New" or "Revised" License, MIT License		
python-magnumclient	Apache License 2.0		
python-manilaclient	Apache License 2.0		
python-mccabe	Python License 2.0 Expat License		
python-memcache	Python License 2.0		
python-microversion-parse	Apache License 2.0		

MCP Q4`18 Openstack Pike (including Auxiliary Components)			
Package	License(s)	Crypto algorithm	Max key length
python-mistralclient	Apache License 2.0		
python-mock	BSD 3-clause "New" or "Revised" License Apache License 2.0		
python-monascaclient	Apache License 2.0		
python-neutron-lib	Apache License 2.0		
python-neutronclient	Apache License 2.0		
python-novaclient	Apache License 2.0		
python-octaviaclient	Apache License 2.0		
python-openstackclient	Apache License 2.0		
python-openstackdocstheme	MIT License, Apache License 2.0		
python-openstacksdk	Apache License 2.0		
python-os-api-ref	Apache License 2.0		
python-os-brick	Apache License 2.0		
python-os-client-config	Apache License 2.0		
python-os-testr	Apache License 2.0		
python-os-traits	Apache License 2.0		
python-os-vif	Apache License 2.0		
python-os-win	Apache License 2.0		
python-os-xenapi	Apache License 2.0		
python-osc-lib	Apache License 2.0		
python-oslo.cache	Apache License 2.0		
python-oslo.concurrency	Apache License 2.0		
python-oslo.config	Apache License 2.0		
python-oslo.context	Apache License 2.0		
python-oslo.db	Apache License 2.0		
python-oslo.i18n	Apache License 2.0		
python-oslo.log	Apache License 2.0		
python-oslo.messaging	Apache License 2.0		
python-oslo.middleware	Apache License 2.0		
python-oslo.policy	Apache License 2.0		
python-oslo.privsep	Apache License 2.0		
python-oslo.reports	Apache License 2.0		
python-oslo.rootwrap	(BSD 3-clause "New" or "Revised" License AND Apache License 2.0) Apache License 2.0		
python-oslo.serialization	Apache License 2.0		
python-oslo.service	Apache License 2.0		
python-oslo.utils	Apache License 2.0		
python-oslo.versionedobjects	Apache License 2.0		
python-oslo.vmware	Apache License 2.0		
python-oslotest	Apache License 2.0		
python-osprofiler	Apache License 2.0		
python-ovsdbapp	Apache License 2.0		
python-pankoclient	Apache License 2.0		
python-passlib	BSD 3-clause "New" or "Revised" License		
python-pbr	Apache License 2.0		
python-pecan	BSD 3-clause "New" or "Revised" License		
python-positional	Apache License 2.0		
python-py	MIT License		
python-pycadf	Apache License 2.0		
python-pyeclib	BSD 3-clause "New" or "Revised" License		
python-pyghmi	Apache License 2.0		
python-pykmip	Apache License 2.0		
python-pyldap	Python License 2.0		
python-pymysql	MIT License		
python-pypowervm	Apache License 2.0		
python-reno	Apache License 2.0		
python-requests-mock	Apache License 2.0		

MCP Q4`18 Openstack Pike (including Auxiliary Components)			
Package	License(s)	Crypto algorithm	Max key length
python-requestsexceptions	Apache License 2.0		
python-rfc3986	Apache License 2.0		
python-saharaclient	Apache License 2.0		
python-scipy	BSD 3-clause "New" or "Revised" License (BSD 3-clause "New" or "Revised" License OR BSD 2-clause "Simplified" License), Apache License 2.0	speed	256
python-script	BSD 2-clause "Simplified" License	crypt sha	Single Fixed Key Length 65 512
python-selenium	Apache License 2.0		
python-senlinclient	Apache License 2.0		
python-setuptools	Python License 2.0		
python-statsd	Expat License		
python-swiftclient	(BSD 3-clause "New" or "Revised" License AND Apache License 2.0) Apache License 2.0		
python-taskflow	Apache License 2.0		
python-tenacity	Apache License 2.0		
python-tinyrpc	MIT License		
python-tooz	Apache License 2.0		
python-troveclient	Apache License 2.0		
python-typing	Python License 2.0		
python-urllib3	MIT License		
python-vmware-nsxlib	Apache License 2.0		
python-weakrefmethod	Python License 2.0		
python-webob	MIT License		
python-wsgi-intercept			
python-xstatic-angular	MIT License Apache License 2.0 Expat License		
python-xstatic-angular-bootstrap	MIT License		
python-xstatic-angular-fileupload	MIT License		
python-xstatic-angular-gettext	MIT License, Apache License 2.0, Expat License		
python-xstatic-angular-schema-form	MIT License		
python-xstatic-bootstrap-datepicker	MIT License Apache License 2.0		
python-xstatic-bootstrap-scss	MIT License Apache License 2.0		
python-xstatic-bootswatch	MIT License, Apache License 2.0, Expat License		
python-xstatic-d3	BSD 3-clause "New" or "Revised" License, Apache License 2.0		
python-xstatic-font-awesome	Creative Commons Attribution 3.0, Apache License 2.0, Expat License		
python-xstatic-jasmine	MIT License Eclipse Public License 1.0		
python-xstatic-jquery	MIT License		
python-xstatic-jquery-ui	Expat License		
python-xstatic-jscrypt	(ISC License AND MIT License) Expat License		
python-xstatic-mdi	SIL Open Font License 1.1 AND MIT License, Apache License 2.0		
python-xstatic-objectpath	MIT License		
python-xstatic-roboto-fontface	Apache License 2.0		
python-xstatic-smart-table	MIT License, Apache License 2.0		
python-xstatic-term.js	MIT License Apache License 2.0		
python-xstatic-tv4	Public Domain MIT License		
python-zaqarclient	Apache License 2.0		
python-zunclient	Apache License 2.0		
pyyaml	MIT License		
rabbitmq-server	Apache License 2.0 GNU Lesser General Public License v2.1 or later MIT License GNU General Public License v2.0 or later Mozilla Public License 1.1		
requests	Apache License 2.0		
routes	BSD 3-clause "New" or "Revised" License		
ryu	Apache License 2.0		
seabios	(Common Public License 1.0 OR GNU Library General Public License v2 only OR GNU Lesser General Public License v3.0 only) (Creative Commons Attribution 4.0 AND GNU General	arcfour aes	2048 256

MCP Q4`18 Openstack Pike (including Auxiliary Components)			
Package	License(s)	Crypto algorithm	Max key length
	Only (Creative Commons Attribution 4.0 AND GNU General Public License v2.0 or later AND BSD 3-clause "New" or "Revised" License AND MIT License)	srp	auth
		rsa	unlimited, typically <=8192
		md5	128
		sha	512
		hmac	160
		blowfish	448
		tkip	Single Fixed Key Length 128
setuptools-scm	MIT License		
sphinx	((BSD 3-clause "New" or "Revised" License AND Public Domain AND Python License 2.0) AND (GNU General Public License v2.0 or later OR MIT License)) BSD 3-clause "New" or "Revised" License (GNU General Public License v2.0 or later OR Basic Proprietary Commercial License OR GNU General Public License v3.0 or later) MIT License ISC License		
sphinx-celery			
sphinxcontrib-websupport	BSD 3-clause "New" or "Revised" License		
sqlalchemy	MIT License		
sqlparse	BSD 3-clause "New" or "Revised" License		
stevedore	Apache License 2.0		
sushy	Apache License 2.0		
tempest	Apache License 2.0		
tosca-parser	Apache License 2.0		
vine	BSD 3-clause "New" or "Revised" License		
virtualbmc	Apache License 2.0		
vmware-nsx	Apache License 2.0		
voluptuous	BSD 3-clause "New" or "Revised" License		
watchdog	(GNU General Public License v2.0 or later OR GNU General Public License v1.0 or later)		
websocket-client	GNU Lesser General Public License v3.0 or later GNU Lesser General Public License v2.1 or later		
websockify	GNU Lesser General Public License v3.0 or later GNU Lesser General Public License v3.0 only BSD 3-clause "New" or "Revised" License MIT License	tripleDES	168
		arcfour	2048
		aes	256
		hmac	160
		md5	128
		sha	512
		rsa	unlimited, typically <=8192
		md2	128
		blowfish	448
		des	Single Fixed Key Length 56
xccdf-benchmarks			

MCP Q4`18 Openstack Queens			
Package	License(s)	Crypto algorithm	Max key length
alembic	Boost Software License 1.0 MIT License	md5	128
		crypt	Single Fixed Key Length 65
		sha	512
aodh	Apache License 2.0		
apipkg	MIT License		
asn1crypto	MIT License		
asn1crypto	MIT License		
bandit	Apache License 2.0		
barbican	Apache License 2.0		
beautifulsoup4	MIT License		
betamax	Apache License 2.0		
case	BSD 3-clause "New" or "Revised" License		
ceilometer	Apache License 2.0		
chardet	GNU Lesser General Public License v2.1 or later		
cinder	Apache License 2.0		
cmake			
cmake			
construct	MIT License		
debhelper	GNU General Public License v2.0 or later		
defusedxml	Python License 2.0		
designate	Apache License 2.0		
device-tree-compiler	GNU General Public License v2.0 or later		
dh-autoreconf	GNU General Public License v2.0 or later		
django-nose	BSD 3-clause "New" or "Revised" License		
dnsmasq	(GNU Affero General Public License v3.0 AND GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later) (GNU General Public License v2.0 or later AND GNU General Public License v3.0 or later)		
dnspython	ISC License		
dppk	BSD 3-clause "New" or "Revised" License (Apache License 2.0 AND GNU Library General Public License v2 or later AND Sun Industry Standards Source License v1.1)	sha	512
dulwich	(GNU General Public License v2.0 or later OR Apache License 2.0)		
edk2	Jython License Apache License 2.0 (Artistic License 1.0 OR GNU General Public License v2.0 or later) (The Open SSL License AND SSLey License) (Artistic License 1.0 OR GNU General Public License v1.0 or later) BSD 2-clause "Simplified" License	crypt	Single Fixed Key Length 65
		arcfour	2048
		camellia	256
		aes	256
		cmac	0
		dsa	unlimited, typically <=8192
		diffiehellman	unlimited
		blowfish	448
		cast	128
		des	Single Fixed Key Length 56
		ecdh	unlimited, elliptic curve diffiehellman
erlang	W3C Software Notice and License (1998-07-20) BSD 3-clause "New" or "Revised" License Apache License 2.0	md5	128
		aes	256
exabgp	BSD 3-clause "New" or "Revised" License		
execnet	MIT License (GNU General Public License v2.0 or later AND MIT License)		
fluent-logger-python	Apache License 2.0		
freezegun	Apache License 2.0		
glance	Apache License 2.0		
gnocchi	Apache License 2.0		
gttextfsm	MIT License Apache License 2.0		
heat	Apache License 2.0		
heat-agents	Apache License 2.0		
heat-translator	Apache License 2.0		

MCP Q4`18 Openstack Queens			
Package	License(s)	Crypto algorithm	Max key length
hiredis	BSD 3-clause "New" or "Revised" License		
horizon-contrail-panels	Apache License 2.0		
horizon-mirantis-theme			
horizon-overrides-plugin	Apache License 2.0		
ipxe	GNU General Public License v2.0 or later	arcfour	2048
		aes	256
		srp	auth
		rsa	unlimited, typically <=8192
		md5	128
		sha	512
		hmac	160
		blowfish	448
		tkip	Single Fixed Key Length 128
ipxe-qemu-256k-compatible	GNU General Public License v2.0 or later	arcfour	2048
		aes	256
		hmac	160
		md5	128
		sha	512
		rsa	unlimited, typically <=8192
		srp	auth
		tkip	Single Fixed Key Length 128
		ironic	Apache License 2.0
ironic-inspector	Apache License 2.0		
ironic-python-agent	Apache License 2.0		
keystone	Apache License 2.0		
kombu	BSD 3-clause "New" or "Revised" License		
liberasurecode	BSD 3-clause "New" or "Revised" License	md5	128
libjs-bootswatch	Expat License		
libvirt	GNU Library General Public License v2 or later		
libvirt-python	GNU Lesser General Public License v3.0 or later		
manila	Apache License 2.0		
manila-ui	Apache License 2.0		
migrate	MIT License Apache License 2.0		
mirascan			
mod-wsgi	Apache License 2.0		
monasca-statsd	Apache License 2.0		
mysql-wsrep-5.6	GNU General Public License v3.0 or later, GNU Lesser General Public License v2.1 or later	md5	128
		crypt	Single Fixed Key Length 65
		arcfour	2048
		aes	256
		hmac	160
		dsa	unlimited, typically <=8192
		sha	512
		md4	128
		rsa	unlimited, typically <=8192
		lex	128
		blowfish	448
		des	Single Fixed Key Length 56
		md2	128
ndg-httpsclient	BSD 3-clause "New" or "Revised" License		
netmiko	Boost Software License 1.0 (BSD 3-clause "New" or "Revised" License AND MIT License) MIT License (GNU General Public License v2.0 or later AND Apache License 2.0 AND MIT License AND Creative Commons Attribution 2.5 AND GNU General Public License v3.0 or later)		
nettle	(GNU General Public License v2.0 or later OR GNU Lesser General Public License v3.0 or later)	crypt	Single Fixed Key Length 65
		arcfour	2048

MCP Q4`18 Openstack Queens			
Package	License(s)	Crypto algorithm	Max key length
		camellia	256
		aes	256
		ecdsa	unlimited, elliptic curve dsa
		dsa	unlimited, typically <=8192
		hmac	160
		blowfish	448
		cast	128
		des	Single Fixed Key Length 56
networking-bagpipe	Apache License 2.0		
networking-baremetal	Apache License 2.0		
networking-bgpvpn	Apache License 2.0		
networking-generic-switch	Apache License 2.0		
networking-l2gw	Apache License 2.0		
networking-midonet	Apache License 2.0		
networking-odl	Apache License 2.0		
networking-ovn	Apache License 2.0, GNU General Public License v2.0 or later		
networking-sfc	Apache License 2.0		
neutron	Apache License 2.0		
neutron-dynamic-routing	Apache License 2.0		
neutron-fwaas	Apache License 2.0		
neutron-fwaas-dashboard	Apache License 2.0		
neutron-lbaas	Apache License 2.0		
neutron-taas	Apache License 2.0		
nova	Apache License 2.0		
octavia	Apache License 2.0		
openscap	ICU License Boost Software License 1.0, MIT License (GNU Lesser General Public License v2.1 or later OR GNU General Public License v3.0 or later), GNU Library General Public License v2 or later		
openstack-pkg-tools	Apache License 2.0		
openvswitch	Apache License 2.0	sha	512
oslo-sphinx	Apache License 2.0		
pandas	GNU Lesser General Public License v3.0 or late, BSD 3-clause "New" or "Revised" License	substream	Single Fixed Key Length 128
panko	Apache License 2.0		
paramiko	GNU Lesser General Public License v3.0 or later GNU Library General Public License v2 or later		
paste	Zope Public License 2.0, Python License 2.0, Apache License 2.0, Academic Free License v3.0, MIT License		
psycopg2	GNU Lesser General Public License v3.0 or late		
pycodestyle	Expat License		
pygments	BSD 3-clause "New" or "Revised" License		
pyinotify	MIT License		
pyopenssl	Apache License 2.0		
yparsing	(GNU General Public License v2.0 or later AND MIT License AND GNU General Public License v3.0 or later) MIT License		
pyroute2	Boost Software License 1.0 MIT License, Apache License 2.0		
pyserial	BSD 3-clause "New" or "Revised" License Python License 2.0		
pytest	MIT License		
pytest-forked	MIT License		
pytest-runner	MIT License		
pytest-xdist	MIT License		
python-amqp	BSD 3-clause "New" or "Revised" License		
python-aodhclient	Apache License 2.0		
python-automaton	Apache License 2.0		
python-babel	BSD 3-clause "New" or "Revised" License		
python-backports-abc	Python License 2.0		
python-barbicanclient	Apache License 2.0		
python-bashate	Apache License 2.0		

MCP Q4`18 Openstack Queens			
Package	License(s)	Crypto algorithm	Max key length
python-bcrypt	Apache License 2.0		
python-brick-cinderclient-ext	Apache License 2.0		
python-cachetools	MIT License		
python-castellan	Apache License 2.0		
python-ceilometerclient	Apache License 2.0		
python-ceilometermiddleware	Apache License 2.0		
python-cffi	MIT License		
python-cinderclient	Apache License 2.0		
python-cliff	Apache License 2.0		
python-congressclient	Apache License 2.0		
python-cotyledon	Apache License 2.0		
python-coverage	(Alternative Commercial License Available OR ActiveState Community License 2013), Apache License 2.0, MIT License, GNU General Public License v3.0 or later	dsa camellia aes cmac ecdsa md5 sha diffiehellman blowfish cast des ecdh	unlimited, typically <=8192 256 256 0 unlimited, elliptic curve dsa 128 512 unlimited 448 128 Single Fixed Key Length 56 unlimited, elliptic curve diffiehellman
python-cryptography	(BSD 3-clause "New" or "Revised" License OR Apache License 2.0)	py dsa hmac	2048, related to rc4 unlimited, typically <=8192 160
python-cryptography-vectors	Apache License 2.0	dsa	unlimited, typically <=8192
python-cursive	Apache License 2.0		
python-daiquiri	Apache License 2.0		
python-deprecation	Apache License 2.0		
python-designateclient	Apache License 2.0		
python-diskimage-builder	MIT License Apache License 2.0		
python-django-babel	BSD 3-clause "New" or "Revised" License		
python-django-compressor	MIT License		
python-django-openstack-auth	BSD 3-clause "New" or "Revised" License Apache License 2.0		
python-dogpile.cache	BSD 3-clause "New" or "Revised" License		
python-eventlet	MIT License		
python-extras	MIT License		
python-fastimport	GNU General Public License v2.0 or later		
python-fixtures	Apache License 2.0 (BSD 3-clause "New" or "Revised" License OR Apache License 2.0)		
python-flake8	MIT License		
python-funcsigs	Apache License 2.0		
python-futurist	Apache License 2.0		
python-gabbi	Apache License 2.0		
python-git	BSD 3-clause "New" or "Revised" License		
python-glance-store	Apache License 2.0 (Creative Commons Attribution 3.0 AND Apache License 2.0)		
python-glanceclient	Apache License 2.0		
python-gnocchiclient	Apache License 2.0		
python-greenlet	MIT License		
python-hacking	Apache License 2.0		
python-heatclient	Apache License 2.0		
python-hypothesis	Mozilla Public License 2.0		
python-idna	(BSD 3-clause "New" or "Revised" License AND Python License 2.0 AND Unicode License)		
python-imagesize	MIT License		

MCP Q4`18 Openstack Queens			
Package	License(s)	Crypto algorithm	Max key length
python-ironic-inspector-client	Apache License 2.0		
python-ironic-lib	Apache License 2.0		
python-ironicclient	Apache License 2.0		
python-json-patch	BSD 3-clause "New" or "Revised" License		
python-jsonschema	MIT License		
python-kafka	Apache License 2.0		
python-keyring	Python 3.0a1 License, MIT License		
python-keystoneauth1	Apache License 2.0		
python-keystoneclient	Apache License 2.0		
python-keystonemiddleware	Apache License 2.0		
python-ldappool	Apache License 2.0		
python-lz4	BSD 3-clause "New" or "Revised" License		
python-magnumclient	Apache License 2.0		
python-manilaclient	Apache License 2.0		
python-mccabe	MIT License, Python License, 2.0 Expat License		
python-memcache	Python License 2.0		
python-microversion-parse	Apache License 2.0		
python-mistralclient	Apache License 2.0		
python-mock	BSD 3-clause "New" or "Revised" License, Apache License 2.0		
python-monascaclient	Apache License 2.0		
python-mox3	Apache License 2.0		
python-munch	(X11 License OR MIT License) MIT License		
python-neutron-lib	Apache License 2.0		
python-neutronclient	Apache License 2.0		
python-nosehtmloutput			
python-novaclient	Apache License 2.0		
python-octaviaclient	Apache License 2.0		
python-openstackclient	Apache License 2.0		
python-openstackdocstheme	MIT License, Apache License 2.0		
python-openstacksdk	Apache License 2.0		
python-os-api-ref	Apache License 2.0		
python-os-brick	Apache License 2.0		
python-os-client-config	Apache License 2.0		
python-os-service-types	Apache License 2.0		
python-os-testr	Apache License 2.0		
python-os-traits	Apache License 2.0		
python-os-vif	Apache License 2.0		
python-os-win	Apache License 2.0		
python-os-xenapi	Apache License 2.0		
python-osc-lib	Apache License 2.0		
python-oslo.cache	Apache License 2.0		
python-oslo.concurrency	Apache License 2.0		
python-oslo.config	Apache License 2.0		
python-oslo.context	Apache License 2.0		
python-oslo.db	Apache License 2.0		
python-oslo.i18n	Apache License 2.0		
python-oslo.log	Apache License 2.0		
python-oslo.messaging	Apache License 2.0		
python-oslo.middleware	Apache License 2.0		
python-oslo.policy	Apache License 2.0		
python-oslo.privsep	Apache License 2.0		
python-oslo.reports	Apache License 2.0		
python-oslo.rootwrap	BSD 3-clause "New" or "Revised" License, Apache License 2.0		
python-oslo.serialization	Apache License 2.0		
python-oslo.service	Apache License 2.0		
python-oslo.utils	Apache License 2.0		

MCP Q4`18 Openstack Queens			
Package	License(s)	Crypto algorithm	Max key length
python-oslo.versionedobjects	Apache License 2.0		
python-oslo.vmware	Apache License 2.0		
python-oslotest	Apache License 2.0		
python-osprofiler	Apache License 2.0		
python-ovsdbapp	Apache License 2.0		
python-pankoclient	Apache License 2.0		
python-passlib	BSD 3-clause "New" or "Revised" License		
python-pbr	Apache License 2.0		
python-pecan	BSD 3-clause "New" or "Revised" License		
python-positional	Apache License 2.0		
python-py	MIT License and Public Domain		
python-pycadf	Apache License 2.0		
python-pydotplus	MIT License		
python-pyeclib	BSD 3-clause "New" or "Revised" License		
python-pyghmi	Apache License 2.0		
python-pykmip	Apache License 2.0		
python-pyldap	Python License 2.0		
python-pymysql	MIT License		
python-pyngus	Apache License 2.0		
python-pypowervm	Apache License 2.0		
python-pysaml2	Apache License 2.0		
python-reno	Apache License 2.0		
python-requests-mock	Apache License 2.0		
python-requestsexceptions	Apache License 2.0		
python-rfc3986	Apache License 2.0		
python-saharacient	Apache License 2.0		
python-scipy	BSD 3-clause "New" or "Revised" License, Apache License 2.0	speed	256
python-scrypt	BSD 2-clause "Simplified" License	crypt	Single Fixed Key Length 65
		sha	512
python-selenium	Apache License 2.0		
python-senlinclient	Apache License 2.0		
python-setuptools	Python License 2.0		
python-statsd	Expat License		
python-stestr	Apache License 2.0		
python-subunit2sql	Apache License 2.0		
python-swiftclient	Apache License 2.0		
python-taskflow	Apache License 2.0		
python-tenacity	Apache License 2.0		
python-testtools	MIT License, Apache License 2.0		
python-tinyrpc	MIT License		
python-tooz	Apache License 2.0		
python-tornado	Apache License 2.0		
python-troveclient	Apache License 2.0		
python-typing	Python License 2.0		
python-urllib3	MIT License		
python-vmware-nsxlib	Apache License 2.0		
python-warlock	Apache License 2.0		
python-weakrefmethod	Python License 2.0		
python-weakrefmethod	Python License 2.0		
python-webob	MIT License		
python-wsgi-intercept			
python-xattr	BSD 3-clause "New" or "Revised" License MIT License		
python-xstatic-angular	MIT License, Apache License, 2.0 Expat License		
python-xstatic-angular-bootstrap	MIT License		
python-xstatic-angular-fileupload	MIT License		
python-xstatic-angular-gettext	MIT License, Expat License		

MCP Q4`18 Openstack Queens			
Package	License(s)	Crypto algorithm	Max key length
python-xstatic-angular-schema-form	MIT License		
python-xstatic-bootstrap-datepicker	MIT License, Apache License 2.0		
python-xstatic-bootstrap-scss	MIT License		
python-xstatic-bootstrapwatch	MIT License, Expat License		
python-xstatic-d3	BSD 3-clause "New" or "Revised" License MIT License		
python-xstatic-font-awesome	Creative Commons Attribution 3.0, MIT License, Expat License		
python-xstatic-jasmine	MIT License, Eclipse Public License 1.0		
python-xstatic-jquery	MIT License		
python-xstatic-jquery-ui	Expat License		
python-xstatic-jquery.tablesorter	Expat License, GNU General Public License v3.0 or later, GNU General Public License v2.0 or later, Expat License		
python-xstatic-jscrypt	(ISC License AND MIT License) Expat License		
python-xstatic-mdi	SIL Open Font License 1.1, MIT License, Apache License 2.0		
python-xstatic-objectpath	MIT License		
python-xstatic-roboto-fontface	BSD 3-clause "New" or "Revised" License, MIT License, Apache License 2.0		
python-xstatic-smart-table	MIT License Apache License 2.0		
python-xstatic-term.js	MIT License		
python-xstatic-tv4	Public Domain MIT License		
python-yaql	Apache License 2.0		
python-zaqarclient	Apache License 2.0		
python-zunclient	Apache License 2.0		
pyyaml	MIT License		
qemu	(GNU General Public License v2.0 or later AND BSD 3-clause "New" or "Revised" License AND GNU Library General Public License v2 or later) (GNU General Public License v2.0 or later OR BSD 3-clause "New" or "Revised" License OR Creative Commons Attribution 3.0 OR MIT License OR GNU Library General Public License v2 or later)	crypt arcfour camellia aes diffiehellman blowfish hmac dsa sha srp cast des	Single Fixed Key Length 65 2048 256 256 unlimited 448 160 unlimited, typically <=8192 512 auth 128 Single Fixed Key Length 56
rabbitmq-server	Apache License 2.0 GNU Lesser General Public License v2.1 or later MIT License GNU General Public License v2.0 or later Mozilla Public License 1.1		
redis	Creative Commons Attribution Share Alike 4.0 (BSD 3-clause "New" or "Revised" License AND MIT License)	sha	512
requests	Apache License 2.0		
routes	BSD 3-clause "New" or "Revised" License		
ryu	Apache License 2.0		
seabios	(Common Public License 1.0 OR GNU Library General Public License v2 only OR GNU Lesser General Public License v3.0 only) (Creative Commons Attribution 4.0 AND GNU General Public License v2.0 or later AND BSD 3-clause "New" or "Revised" License AND MIT License)	arcfour aes srp rsa md5 sha hmac blowfish tkip	2048 256 auth unlimited, typically <=8192 128 512 160 448 Single Fixed Key Length 128
setuptools-scm	MIT License		
sphinx	((BSD 3-clause "New" or "Revised" License AND Public Domain AND Python License 2.0) AND (GNU General Public License v2.0 or later OR MIT License)) BSD 3-clause "New" or "Revised" License (GNU General Public License v2.0 or later OR Basic Proprietary Commercial License OR GNU General Public License v3.0 or later) MIT License ISC License		

MCP Q4`18 Openstack Queens			
Package	License(s)	Crypto algorithm	Max key length
sphinx-celery			
sphinx-testing	BSD 3-clause "New" or "Revised" License		
sphinxcontrib-pecanwsme	Apache License 2.0		
sphinxcontrib-websupport	BSD 3-clause "New" or "Revised" License		
sqlalchemy	MIT License		
sqlparse	BSD 3-clause "New" or "Revised" License		
stevedore	Apache License 2.0		
sushy	Apache License 2.0		
tempest	Apache License 2.0		
testresources	Apache License 2.0 (BSD 3-clause "New" or "Revised" License OR Apache License 2.0)		
tosca-parser	Apache License 2.0		
vine	BSD 3-clause "New" or "Revised" License		
virtualbmc	Apache License 2.0		
vmware-nsx	Apache License 2.0		
voluptuous	BSD 3-clause "New" or "Revised" License		
watchdog	(GNU General Public License v2.0 or later OR GNU General Public License v1.0 or later)		
websocket-client	GNU Lesser General Public License v3.0 or later		
websockify	GNU Lesser General Public License v3.0 or later GNU Lesser General Public License v3.0 only BSD 3-clause "New" or "Revised" License MIT License	tripleDES	168
		arcfour	2048
		aes	256
		hmac	160
		md5	128
		sha	512
		rsa	unlimited, typically <=8192
		md2	128
		blowfish	448
		des	Single Fixed Key Length 56
webtest	MIT License		
xccdf-benchmarks			

MCP Q4`18 OpenContrail 3.2			
Package	License(s)	Crypto algorithm	Max key length
contrail-build			
contrail-ceilometer-plugin			
contrail-controller	Apache License 2.0		
contrail-dpdk	BSD 3-clause "New" or "Revised" License		
contrail-generateDS	MIT License		
contrail-heat			
contrail-neutron-plugin			
contrail-nova-extensions			
contrail-nova-vif-driver			
contrail-packages			
contrail-sandesh	MIT License, Apache License 2.0		
contrail-third-party			
contrail-vrouter			
contrail-web-controller			
contrail-web-server-manager			
contrail-web-storage			
contrail-webui-third-party			

MCP Q4`18 OpenContrail 4.0			
Package	License(s)	Crypto algorithm	Max key length
contrail-build			
contrail-ceilometer-plugin			
contrail-controller	Apache License 2.0		
contrail-dpdk	BSD 3-clause "New" or "Revised" License		
contrail-generateDS	MIT License		
contrail-heat			
contrail-neutron-plugin			
contrail-nova-extensions			
contrail-nova-vif-driver			
contrail-packages			
contrail-sandesh	MIT License Apache License 2.0		
contrail-third-party			
contrail-vrouter			
contrail-web-controller			
contrail-web-server-manager			
contrail-web-storage			
contrail-webui-third-party			

MCP Q4`18 OpenContrail 4.1			
Package	License(s)	Crypto algorithm	Max key length
contrail-build			
contrail-ceilometer-plugin			
contrail-controller	Apache License 2.0		
contrail-dpdk	BSD 3-clause "New" or "Revised" License		
contrail-generateDS	MIT License	md5	128
		hmac	160
contrail-heat			
contrail-neutron-plugin			
contrail-nova-extensions			
contrail-nova-vif-driver			
contrail-packages			
contrail-sandesh	MIT License Apache License 2.0		
contrail-third-party			
contrail-vrouter			
contrail-web-controller			
contrail-web-server-manager			
contrail-web-storage			
contrail-webui-third-party			

MCP Q4`18 Kubernetes			
Package	License(s)	Crypto algorithm	Max key length
containernetworking-plugins	BSD 3-clause "New" or "Revised" License, GNU Affero General Public License v3.0, GNU General Public License v2.0 or later, Mozilla Public License 2.0, GNU Lesser General Public License v2.1 or later, MIT License, Apache License 2.0	ripemd	160
		pbkdf2	hash
		md4	128
kargo	Apache License 2.0		
kubernetes	BSD 2-clause "Simplified" License, BSD 3-clause "New" or "Revised" License, MIT License, Apache License 2.0		
kubernetes-aws-model			
kubernetes-slave-image			
metallb	MIT License, Apache License 2.0		
sriov-cni	BSD 3-clause "New" or "Revised" License, Apache License 2.0, Educational Community License v2.0, MIT License		

MCP Q4`18 Extra (Auxiliary Components)			
Package	License(s)	Crypto algorithm	Max key length
cassandra-cpp-driver	GNU Lesser General Public License v2.1 or later, Eclipse Public License 1.0, MIT License, Apache License 2.0 (GNU Lesser General Public License v2.1 or later OR Eclipse Public License 1.0)	crypt	Single Fixed Key Length 65
		arcfour	2048
		camellia	256
		aes	256
		cmac	0
		dsa	unlimited, typically <=8192
		diffiehellman	unlimited
		blowfish	448
		cast	128
		des	Single Fixed Key Length 56
consistent-hash	BSD 3-clause "New" or "Revised" License		
fluent-logger-python	Apache License 2.0		
heka-lua-scripts	MIT License		
jeepyb	Apache License 2.0		
influxdb-relay-builddeps	BSD 3-clause "New" or "Revised" License (ISC License AND MIT License) MIT License Apache License 2.0		
libvirt-exporter-builddeps	BSD 3-clause "New" or "Revised" License MIT License Apache License 2.0		
openscap	ICU License Boost Software License 1.0 MIT License GNU Library General Public License v2 or later		
prometheus-bin	Apache License 2.0		
prometheus-relay-builddeps	BSD 3-clause "New" or "Revised" License, MIT License, Apache License 2.0		
pydbus	GNU Library General Public License v2 or later		
python-elasticsearch	Apache License 2.0	crypt	Single Fixed Key Length 65
		nls	128
		ntlm	User Definable Key Length Unconstrained
		hmac	160
		md4	128
		lex	128
		py	2048, related to rc4
python-gerritlib	Apache License 2.0		
rpdb			
reclass			
salt-pepper			
telegraf-builddeps	BSD 2-clause "Simplified" License BSD 3-clause "New" or "Revised" License, MIT License, Apache License 2.0	ripemd	160
td-agent-additional-plugins	BSD 3-clause "New" or "Revised" License MIT License Apache License 2.0		
xccdf-benchmarks			