Release notes for swift 6.0.0

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# Released packages

The released packages include:

**Swift\_6.0.0**

python-swift\_6.0.0\_all.deb

swift\_6.0.0\_all.deb

swift-account\_6.0.0\_all.deb

swift-container\_6.0.0\_all.deb

swift-doc\_6.0.0\_all.deb

swift-object\_6.0.0\_all.deb

swift-proxy\_6.0.0\_all.deb

**keystone\_4.0.0**

keystone\_4.0.0\_all.deb

keystone-doc\_4.0.0\_all.deb

python-keystone\_4.0.0\_all.deb

# 2. Configuration template

## 2.1 The proxy\_server.conf on swift proxy server only:

[DEFAULT]

bind\_ip = $IP\_ADDRESS

bind\_port = 8080

workers = 8

user = swift

log\_facility = LOG\_LOCAL1

[pipeline:main]

pipeline = catch\_errors healthcheck cache ciscotoken authtoken keystone proxy-server

[app:proxy-server]

use = egg:swift#proxy

allow\_account\_management = true

account\_autocreate = true

[filter:keystone]

paste.filter\_factory = keystone.middleware.swift\_auth:filter\_factory

operator\_roles = admin, swiftoperator

log\_level = DEBUG

log\_facility = LOG\_LOCAL1

[filter:authtoken]

paste.filter\_factory = keystone.middleware.auth\_token:filter\_factory

# Delaying the auth decision is required to support token-less

# usage for anonymous referrers ('.r:\*').

delay\_auth\_decision = 1

service\_port = 5000

service\_host = ${KEYSTONE\_VIP}

auth\_port = 35357

auth\_host = ${KEYSTONE\_ VIP}

auth\_protocol = https

auth\_token = admin

admin\_token = admin

log\_level = DEBUG

log\_facility = LOG\_LOCAL1

[filter:ciscotoken]

paste.filter\_factory = keystone.middleware.cisco\_token:filter\_factory

# Delaying the auth decision is required to support token-less

# usage for anonymous referrers ('.r:\*').

#delay\_auth\_decision = 1

service\_port = 5000

service\_host = 10.100.18.144

auth\_port = 35357

auth\_host = 10.100.18.144

auth\_protocol = http

auth\_token = admin

admin\_token = admin

log\_level = DEBUG

log\_facility = LOG\_LOCAL1

[filter:healthcheck]

use = egg:swift#healthcheck

auth\_url = https://10.100.18.149:5000/v1.0

check\_account = healthcheck

check\_secrete = health@check123

check\_file = healthcheck.txt

[filter:cache]

use = egg:swift#memcache

memcache\_servers = 10.100.18.148:11211

[filter:informant]

use = egg:informant#informant

statsd\_host = 127.0.0.1

statsd\_port = 8125

# standard statsd sample rate 0.0 <= 1

statsd\_sample\_rate = 0.5

# list of allowed methods, all others will generate a "BAD\_METHOD" event

valid\_http\_methods = GET,HEAD,POST,PUT,DELETE,COPY

# send multiple statsd events per packet as supported by statsdpy

combined\_events = no

# prepends name to metric collection output for easier recognition, e.g. company.swift.

metric\_name\_prepend = cisco.swift.

[filter:recon]

use = egg:swift#recon

recon\_cache\_path = /var/cache/swift

[filter:tempurl]

use = egg:swifttempurl#tempurl

[filter:catch\_errors]

use = egg:swift#catch\_errors

## 2.2 swift.conf for all swift proxy and storage nodes

[swift-hash]

swift\_hash\_path\_suffix =’${YOUR\_RANDOM\_STRING}’

## 2.3 account-server.conf on storage node only

[DEFAULT]

bind\_ip = 0.0.0.0

workers = 2

log\_facility = LOG\_LOCAL2

[pipeline:main]

pipeline = account-server

[app:account-server]

use = egg:swift#account

[account-replicator]

[account-auditor]

[account-reaper]

## 2.4 container-server.conf on storage node only

[DEFAULT]

bind\_ip = 0.0.0.0

workers = 2

log\_facility = LOG\_LOCAL3

[pipeline:main]

pipeline = container-server

[app:container-server]

use = egg:swift#container

allow\_versions = True

[container-replicator]

[container-updater]

[container-auditor]

[container-sync]

## 2.5 object-server.conf on storage node only

[DEFAULT]

bind\_ip = 0.0.0.0

workers = 2

log\_facility = LOG\_LOCAL4

[pipeline:main]

pipeline = healthcheck recon object-server

[app:object-server]

use = egg:swift#object

[object-replicator]

recon\_enable = yes

recon\_cache\_path = /var/cache/swift

[object-updater]

[object-auditor]

[filter:recon]

use = egg:swift#recon

recon\_cache\_path = /var/cache/swift

[filter:healthcheck]

use = egg:swift#healthcheck

## 2.6 “/etc/rsyslog.d/10-swift.conf” on all swift servers

local1.\*;local1.!notice /var/log/swift/proxy.log

local1.notice /var/log/swift/proxy.error

local1.\* ~

local2.\*;local2.!notice /var/log/swift/account.log

local2.notice /var/log/swift/ account.error

local2.\* ~

local3.\*;local3.!notice /var/log/swift/container.log

local3.notice /var/log/swift/ container.error

local3.\* ~

local4.\*;local4.!notice /var/log/swift/object.log

local4.notice /var/log/swift/ object.error

local4.\* ~

# 3. Installation processes

## 3.1 Prepare the configuration files

Change the puppet module and template files on puppet master server according to the templates in section #2.

Also need to install python-keystone package on swift proxy servers.

**Note: Also need to restart the service “rsyslog” to enable log facilities for swift logs.**

## 3.2 Put the swift and keystone packages on debian repository server

## 3.3 Restart puppet agent on all swift servers

## 3.4 Functional verification