

Secureworks®

Use the `rc_clean_32bitpkgs.run` script to clean up i686 packages that may have been incorrectly installed during the 1.2.10.0 release.

```
compat-openssl10 openssl openssl-libs krb5-libs zlib keyutils-libs libcom_err
libselinux pcre libsepol libstdc++ libgcc libverto nss-softoken-freebl glibc
```

The `--showpkgs` option will list packages installed on the system that would be removed.

```
./rc_clean_32bitpkgs.run --showpkgs
redcloak_installer: Checking/Removing obsolete 32-bit packages from "1.2.10.0" install...
redcloak_installer: Found 32-bit packages: openssl-1.0.1e-58.el6_10.i686 krb5-libs-1.10.3-
65.el6.i686 zlib-1.2.3-29.el6.i686 keyutils-libs-1.4-5.el6.i686 libcom_err-1.41.12-24.el6.i686
libselinux-2.0.94-7.el6.i686 nss-softoken-freebl-3.44.0-6.el6_10.i686 glibc-2.12-
1.212.el6_10.3.i686
redcloak_installer: Showing packages that would be removed, no action taken!
```

The `--dryrun` option will show the first dependency that would be removed. Note, only the first is shown because the rest can't be removed until the previous is uninstalled.

```
./rc_clean_32bitpkgs.run --dryrun
redcloak_installer: Checking/Removing obsolete 32-bit packages from "1.2.10.0" install...
redcloak_installer: Found 32-bit packages: openssl-1.0.1e-58.el6_10.i686 krb5-libs-1.10.3-
65.el6.i686 zlib-1.2.3-29.el6.i686 keyutils-libs-1.4-5.el6.i686 libcom_err-1.41.12-24.el6.i686
libselinux-2.0.94-7.el6.i686 nss-softoken-freebl-3.44.0-6.el6_10.i686 glibc-2.12-
1.212.el6_10.3.i686
redcloak_installer: Checking package openssl-1.0.1e-58.el6_10.i686...
redcloak_installer: DRY-RUN - Would remove package(s) openssl-1.0.1e-58.el6_10.i686 plus
dependencies...
```

The `--help` option will show the available script options.

```
./rc_clean_32bitpkgs.run --help
usage: ./rc_clean_32bitpkgs.run <option> or an RPM to install
Possible "options":
    --showpkgs - Show packages that would be cleaned and exit
    --dryrun   - Perform dry run and indicated first package removed
    --help     - Show this help and exit
```

RECOMMENDATION: It is recommended to install 1.2.12.0 first and then run the script above to remove dependencies.

Run as root and depending on user inputs, there are two options:

- › **Provide no argument:** `./rc_clean_32bitpkgs.run` will try to remove all dependencies mentioned above unless 1.2.10.0 is still installed.

```
./rc_clean_32bitpkgs.run
<13>Aug 14 16:15:46 redcloak_installer: Checking/Removing obsolete 32-bit packages from
"1.2.10.0" install...
<13>Aug 14 16:15:46 redcloak_installer: Found 32-bit packages: compat-openssl10-1.0.2o-3.el8.i686
zlib-1.2.11-10.el8.i686 glibc-2.28-42.el8.i686
<13>Aug 14 16:15:46 redcloak_installer: Checking package compat-openssl10-1.0.2o-3.el8.i686...
<12>Aug 14 16:15:46 redcloak_installer: Unable to remove package(s) compat-openssl10-1.0.2o-
3.el8.i686 (use "rpm --test -e compat-openssl10-1.0.2o-3.el8.i686" to view
dependencies)...
<13>Aug 14 16:15:46 redcloak_installer: Checking package zlib-1.2.11-10.el8.i686...
```

```
<12>Aug 14 16:15:46 redcloak_installer: Unable to remove package(s) zlib-1.2.11-10.el8.i686
(use "rpm --test -e zlib-1.2.11-10.el8.i686" to view dependencies)...
<13>Aug 14 16:15:46 redcloak_installer: Checking package glibc-2.28-42.el8.i686...
<12>Aug 14 16:15:46 redcloak_installer: Unable to remove package(s) glibc-2.28-42.el8.i686
(use "rpm --test -e glibc-2.28-42.el8.i686 " to view dependencies)...
rpm --test -e compat-openssl10-1.0.2o-3.el8.i686
error: Failed dependencies:
    libssl.so.10 is needed by (installed) redcloak-1.2.10.0-0.x86_64
```

- › **Provide path to 1.2.12.0 rpm:** `./rc_clean_32bitpkgs.run redcloak-1.2.12.0-0.x86_64.rpm` will install the RPM and then remove dependencies that Red Cloak is dependent on.

```
./rc_clean_32bitpkgs.run redcloak-1.2.12.0-0.x86_64.rpm
Loaded plugins: product-id, refresh-packagekit, search-disabled-repos, security, subscription-
manager
Setting up Install Process
Examining redcloak-1.2.12.0-0.x86_64.rpm: redcloak-1.2.12.0-0.x86_64
Marking redcloak-1.2.12.0-0.x86_64.rpm as an update to redcloak-1.2.10.0-0.x86_64
Resolving Dependencies
--> Running transaction check
---> Package redcloak.x86_64 0:1.2.10.0-0 will be updated
---> Package redcloak.x86_64 0:1.2.12.0-0 will be an update
--> Finished Dependency Resolution

Dependencies Resolved

=====
=====
=====
Package                                     Arch
Version                                     Repository
Size
=====
=====
=====
Updating:
  redcloak                                     x86_64
1.2.12.0-0                                     /redcloak-1.2.12.0-0.x86_64
22 M

Transaction Summary
=====
=====
=====
Upgrade      1 Package(s)

Total size: 22 M
Downloading Packages:
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Updating      : redcloak-1.2.12.0-0.x86_64
1/2
Selinux policy for audisp: enabled
Selinux policy for logrotate: enabled
Selinux policy configured for log folder
Selinux context restored for log folder
Redcloak agent startup[ OK ]
```

```
Cleanup      : redcloak-1.2.10.0-0.x86_64
2/2
warning: /var/opt/secureworks/redcloak/etc/config.bin saved as
/var/opt/secureworks/redcloak/etc/config.bin.rpmsave
Verifying    : redcloak-1.2.12.0-0.x86_64
1/2
Verifying    : redcloak-1.2.10.0-0.x86_64
2/2

Updated:
  redcloak.x86_64 0:1.2.12.0-0

Complete!
redcloak_installer: Checking/Removing obsolete 32-bit packages from "1.2.10.0" install...
redcloak_installer: Found 32-bit packages: openssl-1.0.1e-58.el6_10.i686 krb5-libs-1.10.3-
65.el6.i686 zlib-1.2.3-29.el6.i686 keyutils-libs-1.4-5.el6.i686 libcom_err-1.41.12-24.el6.i686
libselinux-2.0.94-7.el6.i686 nss-softokn-freebl-3.44.0-6.el6_10.i686 glibc-2.12-
1.212.el6_10.3.i686
redcloak_installer: Checking package openssl-1.0.1e-58.el6_10.i686...
redcloak_installer: Removing package(s) openssl-1.0.1e-58.el6_10.i686...
redcloak_installer: Checking package krb5-libs-1.10.3-65.el6.i686...
redcloak_installer: Removing package(s) krb5-libs-1.10.3-65.el6.i686 ...
redcloak_installer: Checking package zlib-1.2.3-29.el6.i686...
redcloak_installer: Unable to remove package(s) zlib-1.2.3-29.el6.i686                (use "rpm --
test -e zlib-1.2.3-29.el6.i686" to view dependencies)...
redcloak_installer: Checking package keyutils-libs-1.4-5.el6.i686...
redcloak_installer: Removing package(s) keyutils-libs-1.4-5.el6.i686...
redcloak_installer: Checking package libcom_err-1.41.12-24.el6.i686...
redcloak_installer: Removing package(s) libcom_err-1.41.12-24.el6.i686...
redcloak_installer: Checking package libselinux-2.0.94-7.el6.i686...
redcloak_installer: Removing package(s) libselinux-2.0.94-7.el6.i686...
redcloak_installer: Checking package nss-softokn-freebl-3.44.0-6.el6_10.i686...
redcloak_installer: Checking package glibc-2.12-1.212.el6_10.3.i686...
redcloak_installer: Unable to remove package(s) glibc-2.12-1.212.el6_10.3.i686 nss-softokn-
freebl-3.44.0-6.el6_10.i686                (use "rpm --test -e glibc-2.12-1.212.el6_10.3.i686 nss-
softokn-freebl-3.44.0-6.el6_10.i686" to view dependencies)...
rpm --test -e zlib-1.2.3-29.el6.i686
error: Failed dependencies:
  libz.so.1 is needed by (installed) zlib-devel-1.2.3-29.el6.i686
```