

Error: GPG check FAILED 3
..... 3
..... 4
RHEL 10.1 4
RHEL 9.7+ with python3-dnf-plugin-multisig installed 4
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Error: GPG check FAILED

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Red Hat Enterprise Linux 10 for x86_64 - AppStream (RPMs)
3.6 MB/s | 3.7 kB      00:00
GPG key at file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release (0xFD431D51)
is already installed
GPG key at file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release (0x5A6340B3)
is already installed
Red Hat Enterprise Linux 10 for x86_64 - BaseOS (RPMs)
3.6 MB/s | 3.7 kB      00:00
GPG key at file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release (0xFD431D51)
is already installed
GPG key at file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release (0x5A6340B3)
is already installed
The GPG keys listed for the "Red Hat Enterprise Linux 10 for x86_64 -
AppStream (RPMs)" repository are already installed but they are not correct
for this package.
Check that the correct key URLs are configured for this repository.. Failing
package is: kernel-devel-6.12.0-124.40.1.el10_1.x86_64
  GPG Keys are configured as: file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-
release
The GPG keys listed for the "Red Hat Enterprise Linux 10 for x86_64 - BaseOS
(RPMs)" repository are already installed but they are not correct for this
package.
Check that the correct key URLs are configured for this repository.. Failing
package is: kernel-6.12.0-124.40.1.el10_1.x86_64
...
  GPG Keys are configured as: file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-
release
The downloaded packages were saved in cache until the next successful
transaction.
You can remove cached packages by executing 'dnf clean packages'.
Error: GPG check FAILED
[root@dr ~]#

```

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- DNF (10.1-16) redhat-release 가 Post-Quantum Cryptography (PQC) 가 , GPG /etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release V4 RSA .
- (gnupg2-smime, gnupg2, glib2) Post-Quantum Cryptography (PQC) key (Release Key 4) .

RHEL 10.1

- redhat-release

```
# dnf update redhat-release
```

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```
# rpm -qa | grep pubkey
gpg-pubkey-fd431d51-4ae0493b
gpg-pubkey-5a6340b3-6229229e
gpg-pubkey-05707a62-68e6a1f3      <<<
# rpmkeys --list
fd431d51-4ae0493b: Red Hat, Inc. (release key 2) <security@redhat.com>
public key
5a6340b3-6229229e: Red Hat, Inc. (auxiliary key 3) <security@redhat.com>
public key
05707a62-68e6a1f3: Red Hat, Inc. (release key 4) <security@redhat.com>
public key      <<<
```

RHEL 9.7+ with python3-dnf-plugin-multisig installed

import

```
# /usr/lib/pqrpm/bin/rpmkeys -i /etc/pki/rpm-gpg/RPM-GPG-KEY-PQC-redhat-
release
```

```
# yum update --disableplugin=multisig
```

- <https://access.redhat.com/solutions/3449341>

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