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## Complete re-install of MacPorts

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The official guide to migrating/updating MacPorts after a major macOS upgrade is described here:

<https://trac.macports.org/wiki/Migration>

Alternatively the following represents a step-by-step guide to making a complete reinstall.

First make sure you are using the bash shell:

```
bash
```

The following command creates a list of all the packages you requested in your current installation, which you can use after re-installing the MacPorts system to re-install all those packages again. If you prefer to start over from a fresh MacPorts installation, you don't need to do this:

```
/opt/local/bin/port list requested | awk '{print $1}' | sort -u >
$HOME/requested_ports.txt
```

The command above may fail depending on the “compatibility” of the “old” MacPorts installation under the new macOS installation, ideally it should be done before upgrading the OS.

Next do:

```
sudo chflags -R noschg,nouchg \
/opt/local/ \
/Applications/MacPorts
sudo rm -fr \
/opt/local/ \
/Applications/MacPorts \
/Library/LaunchAgents/org.macports* \
/Library/LaunchDaemons/org.macports.* \
/Library/Java/JavaVirtualMachines/openjdk* \
/Applications/DarwinPorts \
/Library/Receipts/DarwinPorts*.pkg \
/Library/Receipts/MacPorts*.pkg \
/Library/StartupItems/DarwinPortsStartup \
/Library/Tcl/darwinports1.0 \
/Library/Tcl/macports1.0 \
/Library/LaunchDaemons/org.freedesktop.dbus.*.plist \
~/macports
rm ~/.macports
```

**It may be necessary to remove /opt/local with the Finder.**

Now reinstall with:

```
cd /tmp
OSname=$(sw_vers -productVersion | sed \
-e 's/^26\..*/Tahoe/' \
-e 's/^15\..*/Sequoia/' \
-e 's/^14\..*/Sonoma/' \
-e 's/^13\..*/Ventura/' \
-e 's/^12\..*/Monterey/' \
-e 's/^11\..*/BigSur/' \
-e 's/^10\..15\..*/Catalina/' \
-e 's/^10\..14\..*/Mojave/' \
-e 's/^10\..13\..*/HighSierra/' \
-e 's/^10\..12\..*/Sierra/' \
```

```

-e 's/^10\.11\.*ElCapitan/' \
-e 's/^10\.10\.*Yosemite/' \
-e 's/^10\.9\.*Mavericks/' \
-e 's/^10\.8\.*MountainLion/' \
-e 's/^10\.7\.*Lion/' \
-e 's/^10\.6\.*SnowLeopard/' \
-e 's/^10\.5\.*Leopard/' \
-e 's/^10\.4\.*Tiger/' \
-e 's/^10\.3\.*Panther/' \
-e 's/^10\.2\.*Jaguar/' \
-e 's/^10\.1\.*Puma/' \
-e 's/^10\.0\.*Cheetah/' \
)

```

And then

```

MPpkg=$(curl -s https://api.github.com/repos/macports/macports-base/releases \
| grep browser_download_url.*${OSname}.pkg" \
| egrep -v '\-rc[0-9]*\-'|\-\-beta[0-9]*\-' \
| head -n 1 | awk '{print $2}' | sed -e 's//g'\
)
curl -LO ${MPpkg}
sudo installer -pkg $(basename "${MPpkg}") -target /.
sudo /opt/local/bin/port selfupdate

```

Then to install the ESO MacPorts Repository:

```

curl -O
ftp://ftp.eso.org/pub/dfs/pipelines/repositories/stable/macports/setup/Portfile
sudo /opt/local/bin/port install
sudo /opt/local/bin/port sync

```

Then to re-install all the packages you had before:

```

sudo /opt/local/bin/port install $(cat $HOME/requested_ports.txt)

```

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