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# Dist Upgrade

Please upgrade sequentially, for example, if you are on latest on release 30, upgrade to 31 and then to 32. The first 2 weeks of a release you can do a N-2 upgrade but its not supported and should be avoided.

- As of now you can sequentially upgrade from Release 21 to 32 without issues.
- During step 4 you will be presented with any packages that cannot be upgraded, do NOT skip-broken, remove the packages and then re run step 4.
- Python 2.7 is now provided with package python27, you will need to update your scripts to use the new binary (`#!/usr/bin/python2.7`).

```
sudo dnf install python27
```

- Extensions are now(r31) managed from a new application you need to install :

```
sudo dnf install gnome-extensions-app
```

- EarlyOOM is enabled by default on r31

## Step 1: Upgrade current

You will need to upgrade all packages to current, important to update the kernel to the latest in the current release and reboot.

```
sudo dnf upgrade --refresh
```

## Step 2: reboot

Reboot to make sure you are on the latest kernel.

## Step 3: in place upgrade plugin

```
sudo dnf install dnf-plugin-system-upgrade
```

## Step 4: Download packages

The following will download all the necessary packages and make sure it keeps them cached:

```
sudo dnf system-upgrade download --setopt=keepcache=1 --releasever=32
```

## Step 5: Upgrade

The following will reboot automatically and upgrade the current installation:

```
sudo dnf system-upgrade reboot
```

## Post Upgrade

Before any of the following use:

```
sudo dnf update
```

## Clean up metadata

```
sudo dnf system-upgrade clean
```

## Remove cached packages

```
sudo dnf clean packages
```

## Broken Dependencies

```
sudo dnf repoquery --unsatisfied
```

## Remove Duplicates (multiple versions)

```
dnf repoquery --duplicates
```

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