

# Testing /dev to /hipster-2015 or /hipster update

This page describes testing of update OpenIndiana operating system, from OpenIndiana old /dev development release into newer /hipster-2015 and /hipster as a preparation for future landings into /dev.

Disclamers:

**i** Assumption is that you install package(s) from the trusted source **publisher** (in IPS terminology '**repository**' is called a publisher). Do not install packages from untrusted source or from third parties unless you accept the risks of installing third-party binary packages.  
Prior installing and testing be advised to make a clone of your current working **Boot environment (BE)** using **beadm** command (beadm list, beadm create, beadm activate).  
Prior installing and testing be advised make a snapshot of your home directories (/export/home) and other zfs **datasets** (filesystems) using **zfs** command. (zfs list, zfs snapshot, zfs rollback).  
Prior installing and testing be informed that **solaris zones** in **OpenIndiana hipster (OI hipster)** are linked-images by default and that adding IPS publisher requires adding it in linked-image zones as well.  
It is required that you have appropriate role priviledges for installing packages, using administrative account and commands like **pfexec** or **sudo**

We are going to do update testing, and we do not need any additional infrastructure at the moment. We will reuse currently unchanged **/hipster-2015** repository (at pkg.openindiana.org/hipster-2015) as the nearest to the latest positive update reports from **/dev**.

There is one more **update target**, that is **OI hipster 20160421** snapshot, but there is at the moment no separate publisher infrastructure for it.

**It is more important to confirm at least one positive working update target to test updating in detail, therefore even just testing update to hipster-2015 can be enough**

## Optional part:

The point of testing is not that you end up with running Hipster in production right now, but, but to go toward updating renewing /dev update , thank you for your testing reports!

Here is the process created for the reference:

1 - Create a **Boot Environment (BE)** to restart and boot into it: (option **-a** activates newly created BE so one doesn't have to issue 'beadm activate' in an separate step)

```
$ pfexec beadm create -a OpenIndiana-HipUpdate-S1
$ pfexec reboot
```

(You can also use regular 'pfexec shutdown -y -g 0 -i 6' to immediately reboot)

2 - Optionally Remove all packages from external repositories (like sfe/sfe-encumbered but SFW/packages as well):

```
$ pkginfo | grep SFW
$ pfexec pkgrm SFW[packagenameFirst]
.
.
$ pfexec pkgrm SFW[packagenameLast]
$ pfexec pkg uninstall --be-name OpenIndiana-HipUpdate-S2 `pkg list -v | egrep '^pkg://sfe' | cut -d" " -f1`
```

3 - Reboot to the new BE OpenIndiana-HipUpdate-S2:

```
$ pfexec beadm activate OpenIndiana-HipUpdate-S2
$ pfexec reboot
```

4 - Remove external IPS publishers in OpenIndiana-HipUpdate-S2:

```
$ pfexec pkg unset-publisher sfe
$ pfexec pkg unset-publisher sfe-encumbered
$ pfexec pkg unset-publisher opensolaris.org
```

5 - Change publisher to hipster-2015 in OpenIndiana-HipUpdate-S2 and update into OpenIndiana-HipUpdate-S3:

```
$ pfexec pkg set-publisher -g http://pkg.openindiana.org/hipster-2015 -G http://pkg.openindiana.org/dev
openindiana.org
$ pfexec pkg refresh --full
$ pfexec pkg update -v --be-name OpenIndiana-HipUpdate-S3
```

6 - Reboot to **hipster-2015 BE**, named **Openindiana-HipUpdate-S3**:

```
$ pfexec beadm activate Openindiana-HipUpdate-S3
$ pfexec reboot
```

7 - Verify any leftovers:

```
$ pfexec pkg list |grep '0\.151\.1\.'
```

**\* list must be empty \***

7 - Install incorporations

```
$ pfexec pkg install --no-backup-be userland-incorporation entire
```

The point of testing is not that you end up with running Hipster in production right now, but to go toward updating/renewing /dev update releases. Please **keep your Openindiana-HipUpdate-S3 BE** so you can continue to test updating **hipster-2015** toward final new update for /dev.

**Following part is optional and not needed in /dev update testing per se** but you can try it to test updating from /hipster-2015 to /hipster, creating new BE and rebooting into it:

```
$ pfexec beadm create Openindiana-hipster-1
$ pfexec beadm activate Openindiana-hipster-1
$ pfexec reboot
```

Optional changing publisher to /hipster for a new BE:

```
$ pfexec pkg set-publisher -g http://pkg.openindiana.org/hipster -G http://pkg.openindiana.org/hipster-2015
openindiana.org
```

Update to latest Hipster

```
$ pfexec pkg update -v
$ pfexec reboot
```

(You can also use regular 'pfexec shutdown -y -g 0 -i 6' to immediately reboot)

After testing, you can clean/transisioning BE's

```
$ pfexec beadm destroy Openindiana-HipUpdate-S1
```

```
$ pfexec beadm destroy Openindiana-HipUpdate-S2
```

**You could also keep your Openindiana-HipUpdate-S3 BE** (or rename it to Openindiana-hipster-2015), so you can continue to test updating **hipster-2015** toward final new update for /dev

Optionally you can also destroy it after testing:

```
$ pfexec beadm destroy Openindiana-HipUpdate-S2
```

Article added as per testing manual shared by [bentahyr](#) on 20160509

To communicate testing results, use **#openindiana IRC channel** on Freenode.net, **openindiana-discuss** Openindiana [mailing list](#) and Openindiana issues [bug database](#).