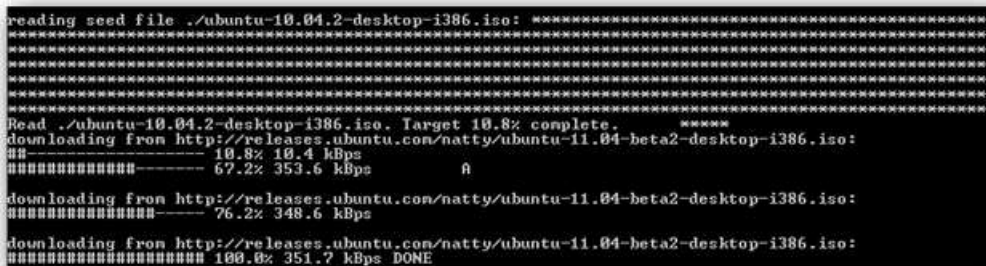



```
zsync -i /path/to/old/ubuntu.iso http://Path-to-Ubuntu.iso.zsync
```

This will compare your existing file with the new iso available online, download the missing parts from your current iso, and give you a fully up-to-date new file. Here is an example that lets us update our Ubuntu 10.04.2 image to the latest Ubuntu 11.04.

Note: Using the below command will keep your original Ubuntu 10.04.2 .iso in tact and will create a new Ubuntu 11.04 .iso file.

```
zsync -i ./ubuntu-10.04.2-desktop-i386.iso http://releases.ubuntu.com/natty/ubuntu-11.04-desktop-i386.iso.zsync
```



```
reading seed file ./ubuntu-10.04.2-desktop-i386.iso:
Read ./ubuntu-10.04.2-desktop-i386.iso. Target 10.8% complete.
downloading from http://releases.ubuntu.com/natty/ubuntu-11.04-beta2-desktop-i386.iso:
##### 10.8% 10.4 kbps
downloading from http://releases.ubuntu.com/natty/ubuntu-11.04-beta2-desktop-i386.iso:
##### 76.2% 348.6 kbps
downloading from http://releases.ubuntu.com/natty/ubuntu-11.04-beta2-desktop-i386.iso:
##### 100.0% 351.7 kbps DONE
```

As you can see from the screenshot below, the file we updated with zsync (left) is exactly the same as the original file we downloaded directly (right).

| General | | File Hashes | Security | Details | Previous Versions |
|---------|--|-------------|----------|---------|-------------------|
| Name | Hash Value | | | | |
| CRC32 | EBD68BD2 | | | | |
| MD5 | 77CD43EE9C8865D3B20D20C83C2B6CAB | | | | |
| SHA-1 | DF6557D3E4266D793F3F717838BE25A011C212D3 | | | | |

| General | | File Hashes | Security | Details | Previous Versions |
|---------|--|-------------|----------|---------|-------------------|
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| MD5 | 77CD43EE9C8865D3B20D20C83C2B6CAB | | | | |
| SHA-1 | DF6557D3E4266D793F3F717838BE25A011C212D3 | | | | |

Use the links below for the different zsync files available.

Ubuntu live desktop (with installer) x86 and x86_64

```
http://releases.ubuntu.com/natty/ubuntu-11.04-desktop-i386.iso.zsync
http://releases.ubuntu.com/natty/ubuntu-11.04-desktop-amd64.iso.zsync
```

Ubuntu alternate installer x86 and x86_64

```
http://releases.ubuntu.com/natty/ubuntu-11.04-alternate-i386.iso.zsync
http://releases.ubuntu.com/natty/ubuntu-11.04-alternate-amd64.iso.zsync
```

Ubuntu server x86 and x86_64

```
http://releases.ubuntu.com/natty/ubuntu-11.04-server-i386.iso.zsync
http://releases.ubuntu.com/natty/ubuntu-11.04-server-amd64.iso.zsync
```

You can also use zsync to change between Ubuntu distributions. Use any of these links for the popular downloads of different Ubuntu flavors.

From our testing, changing from Ubuntu 10.10 to Xubuntu 10.10 required us to download less than half (42%) of the full Xubuntu file.

Kubuntu live desktop (with installer) x86

Note: Kubuntu is only available in DVD form so you will be downloading a significant portion of the DVD image.

```
http://cdimage.ubuntu.com/kubuntu/releases/11.04/release/kubuntu-11.04-dvd-i386.iso.zsync
```

Xubuntu live desktop (with installer) x86

```
http://cdimage.ubuntu.com/xubuntu/releases/11.04/release/xubuntu-11.04-desktop-i386.iso.zsync
```

Ubuntu Studio live desktop (with installer) x86

```
http://cdimage.ubuntu.com/ubuntustudio/releases/11.04/release/ubuntustudio-11.04-desktop-i386.iso.zsync
```

JOIN THE DISCUSSION

Justin is a Linux and HTPC enthusiast who loves to try new projects. He isn't scared of bricking a cell phone in the name of freedom.

• Published 04/28/11

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