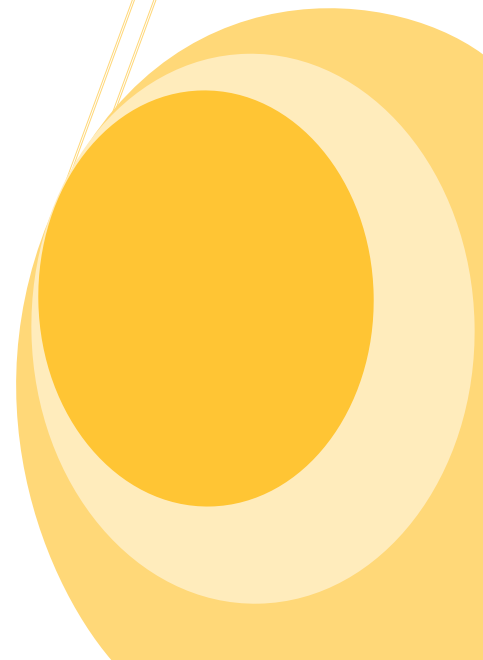


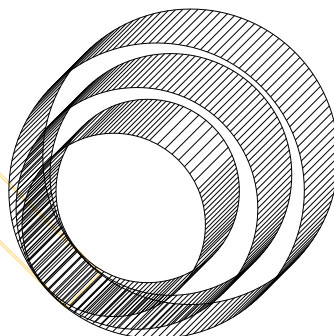
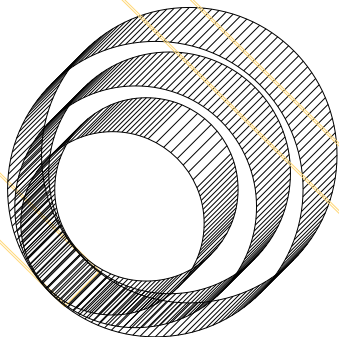
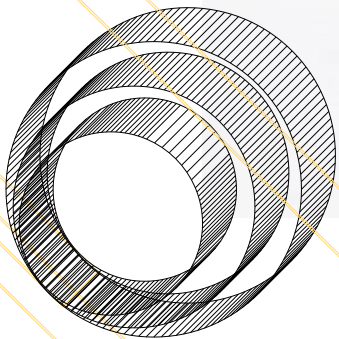
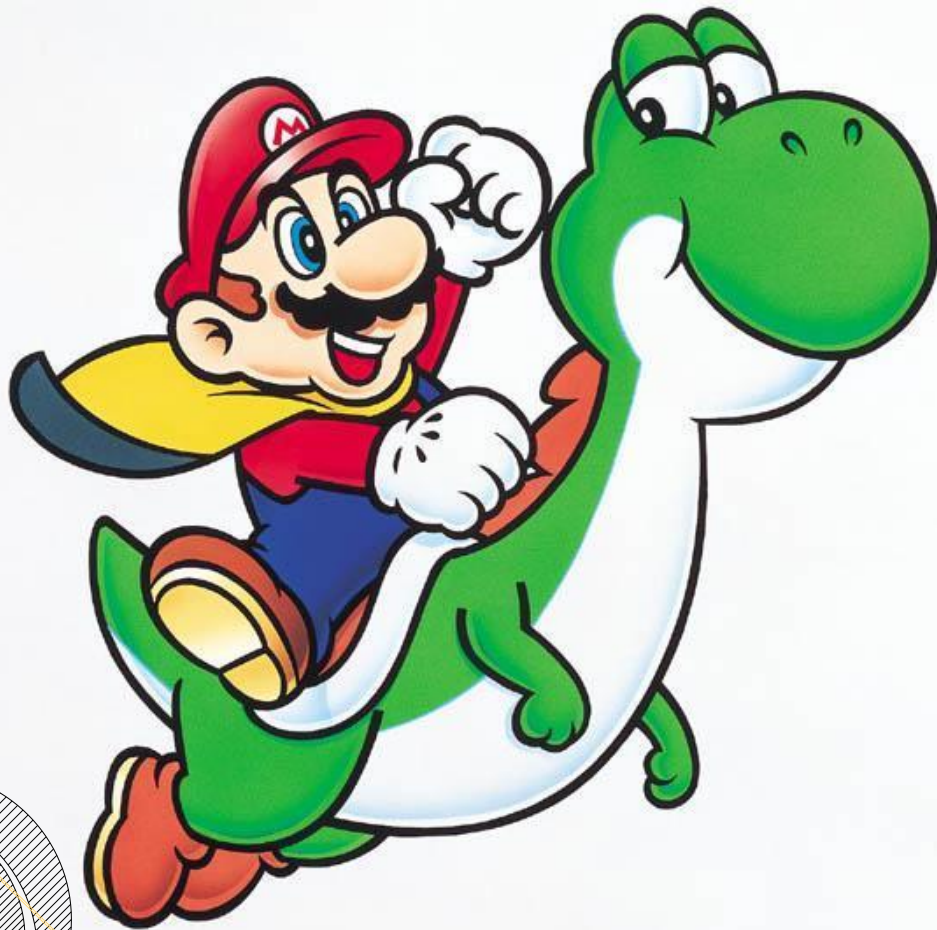
## Installing VStream

Vstream is a content management system for displaying web based files (MP4's)

2/1/2012



# Vstream



## Minimum System Requirements

\*Minimum:

- Single Core Processor
- 256 MB ram
- 10gig storage space (60min SD video averages 200-400MB, 1gigHD )
- Broadband internet connection, 100mbit up/down if possible

Recomended:

- Intel i7
- 8gig of ram
- 2 TB storage space
- \*\*1Gbit up/down connection

\*Note: It is possible to run the streaming service on the minimum requirements, but the process of encoding(converting to MP4) videos should not be attempted without the recomended settings.

\*\*Larger audiances will strain both the internet connection and HD I/O. Be aware of your providers terms regarding data useage per month.

# Installation

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## Linux

The easiest way to install Vstream is with the linux installation script,

found at <http://www.vstream.me>

If this script doesn't work for you, or you'd prefer to configure your server manually, see below.

Vstream unzips into the webroot of your server (typically /var/www).

Vstream requires the following Dependencies:

- Apache2 webserver
- \*Apache Streaming Mod (See below)
- PHP5
- VSFTPD

For information on installing each of these see: <http://mysql-apache-php.com/>

\*Apache Streaming Mod is only required to Pseudo stream (skip ahead) in videos while using the Javascript based player. The HTML 5 player handles skipping ahead natively. For information on installation see "Install 264 module" at:

[http://wiki.paskvil.com/index.php/Install Apache and PHP to do Secure h264 Pseudo Streaming](http://wiki.paskvil.com/index.php/Install_Apache_and_PHP_to_do_Secure_h264_Pseudo_Streaming)

1. After installing required dependencies, make the following adjustments.
  - a. Edit VSFTPD to allow for uploading of files (with VIM or your favorite editor)  
`sudo vim /etc/vsftpd.conf`

(uncomment the following line)

```
# Uncomment this to enable any form of FTP write command.  
write_enable=YES  
#
```

2. Change your default apache run user to match an account you will use to manage your videos.  
This account should be the same one used to upload videos/create folders via FTP.

`sudo vim /etc/apache2/envvars`

```
# for supporting multiple apache2 instances  
if [ "${APACHE_CONFDIR##*/etc/apache2-}" != "${APACHE_CONFDIR}" ] ; then  
    SUFFIX="-${APACHE_CONFDIR##*/etc/apache2-}"  
else  
    SUFFIX=  
fi  
  
# Since there is no sane way to get the parsed apache2 config in scripts, some  
# settings are defined via environment variables and then used in apache2ctl,  
# /etc/init.d/apache2, /etc/logrotate.d/apache2, etc.  
export APACHE_RUN_USER=put_username_here  
export APACHE_RUN_GROUP=www-data  
export APACHE_PID_FILE=/var/run/apache2$SUFFIX.pid  
export APACHE_RUN_DIR=/var/run/apache2$SUFFIX  
export APACHE_LOCK_DIR=/var/lock/apache2$SUFFIX
```

Restart apache and VSFTPD

```
sudo service vsftpd restart
```

```
sudo service apache2 restart
```

If using older versions of linux you may need to restart this way-

```
sudo /etc/init.d/vsftpd restart
```

```
sudo /etc/init.d/apache2 restart
```

At this point preparation for install is complete. If you have not done so already, unzip vstream into your webRoot. You can test your installation by pointing to the index page in your root directory.

The Default Password for Vstream is

Username: user

Password: password

## Windows

The windows version of Vstream is essentially the same package, but does not support handbrake CLI encoding or Apache 264 Mod.

You need to create a functional webserver and PHP environment on your Windows based machine, and then unzip the vstream package into the webroot.

1 popular package for windows is WAMP, found here:

<http://www.wampserver.com/en/>

# Basic Usage

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## Uploading files

In order to use the streaming features and TVDB scraping functions, videos must be saved in the videos folder under your webroot. Files must be in MP4 format, and it is preferred that they're weboptimized. (All these features are part of the default settings for handbrake)

### File location

Shows are classified by folder, season, then episode.

/www/videos/Lost/01

(Season folders must have a leading zero when under 10)

Episodes should be placed within the season folder and titled by number . episodes under 10 need a leading zero. Example:

01.mp4

02.mp4

03.mp4

IMPORTANT: all spaces should be replaced with underscores. Modern Family becomes Modern\_Family

More examples:

/videos/Battlestar/01/01.mp4 Battlestar Season 1 episode 1

/videos/Battlestar/01/10.mp4 Battlestar Season 1 episode 10

/videos/Battlestar/02/11.mp4 Battlestar Season 2 episode 11

/videos/Battlestar/10/01.mp4 Battlestar Season 10 episode 1