

GUIDE TO HOSTING YOUR OWN VIDEO SITE

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INTRODUCTION

1. INTRODUCTION

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This guide focuses on approaches and tools to host, showcase and 'aggregate' video content. The guide will give different paths to groups that want to reduce their reliance on services like YouTube and Vimeo. The intended audience is:

- citizen journalists, video activists and other producers looking to be more independent in their hosting solutions
- experienced website developers new to the area of video hosting
- anyone interested in learning about what is possible regarding video distribution on the Internet

Throughout this guide we will tell you how to choose which technology to use.



Screen capture of an independent video hosting website.

WHY BE INDEPENDENT? ADVANTAGES AND COSTS

Why not just use YouTube?

Organisations like WITNESS have worked hard to help YouTube and other commercial video-sharing websites distribute the work of social movements and other independent producers. There is a dedicated [Human Rights Channel](#) on YouTube, which profiles key videos.



The Human Rights channel on YouTube co-ordinated by WITNESS

However, the context in which you watch video is important. While YouTube can help bring an audience to your video, the business model of YouTube and other similar sites involves collecting and selling information about you and the people viewing your videos.

The Challenges of Avoiding YouTube

When faced with the prospect of 'self-hosting' we may ask:

- If my videos don't show up in YouTube searches, will I lose out on viewers?
- If my video is very successful, will thousand of views crash our website?
- How can I deliver video in different quality levels responsively?

We will deal with how to overcome or address these challenges step by step in many of the following chapters.

ABOUT THIS GUIDE

The guide has a focus on using online video for positive social change and has been commissioned as part of the Human Rights Connect project of Internews Europe. The writers of this guide are Mick Fuzz, an active community member of the FLOSS Manuals project, and Anna Helme from EngageMedia. The writing is co-ordinated by the v4c.org network.

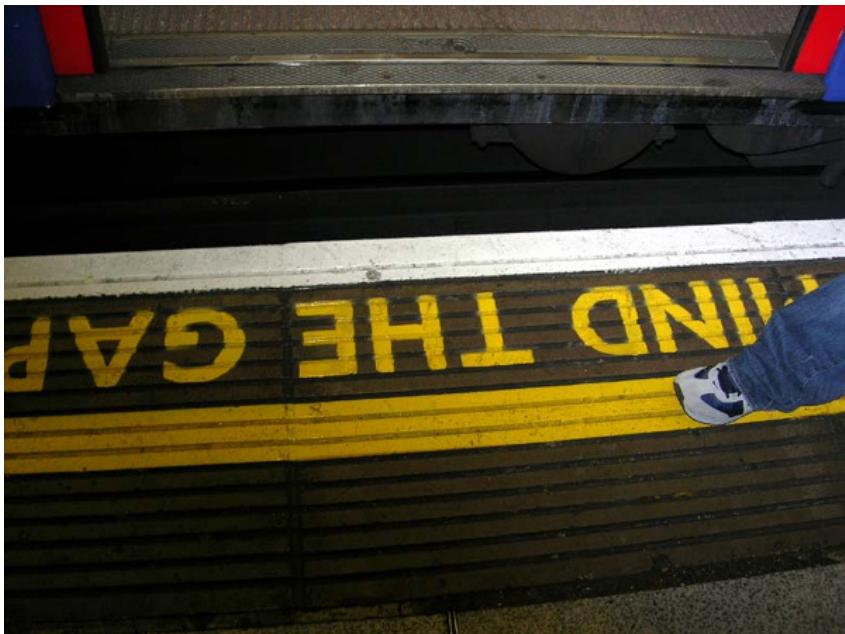


CONCEPTS

- 2. OVERVIEW OF CONCEPTS AND TERMS**
- 3. SELF-HOSTING OR VIDEO SERVICE**
- 4. A HYBRID APPROACH TO ONLINE VIDEO**
- 5. ADVANCES IN ONLINE VIDEO PLAYERS**
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2. OVERVIEW OF CONCEPTS AND TERMS

This chapter gives a quick summary of terminology you may come across.



Platform: In the context of this chapter, 'platform' refers to any of the websites available for you to publish your video online.

Content Management System (CMS): A system with an interface that allows you to manage content easily on the internet.

Self-hosting: Self-hosting in the context of video distribution refers to the process of using your own storage space for the video content that you upload.

HTML5 & Flash Video Players: In this context, a video player is both the code needed to play a video.

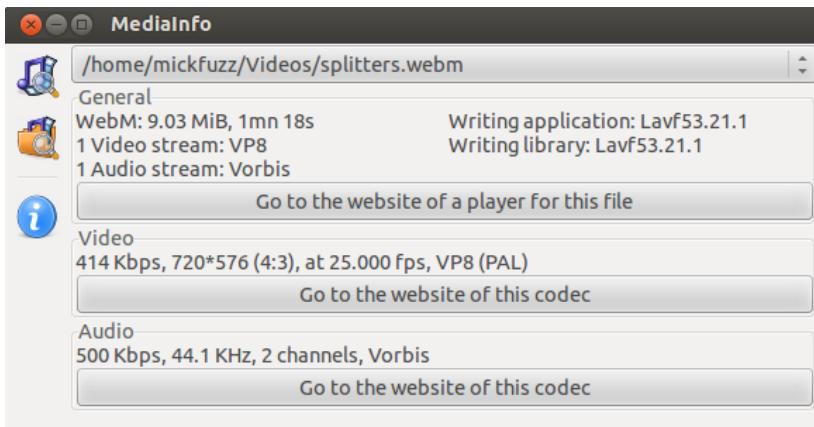
Embedding videos: Services like YouTube allow you to place a player inside page of your own website. This is called embedding and sometimes involves an 'embed code' to make it work.



Clicking Share next to a video player will normally give you an Embed Code

Streaming video: The process of streaming video, which delivers video from a server to the viewer in real time.

Metadata: Metadata in our context of video hosting is information about videos, including title, description and other technical information.



The application MediaInfo can display technical metadata of a video file.

RSS Feeds: RSS feeds are like channels of information that we can subscribe to or use to move information from one place on the web to another.



Aggregation & Syndication: These terms became increasingly popular with the advent of RSS technology specifically for news feed

Bandwidth: This is the amount of data you transfer to and from your internet server.

Closed Captions: Closed captions subtitles are separate from the video image. Closed captions make it easier to deliver multiple versions of subtitles without changing the core video file.



Closed Captions are used by the Amara system to allow viewers to choose a language

SUMMARY OF OTHER RESOURCES

Here are some other resources you may find useful:

- [Guide to Hybrid Video Distribution](#)
- [Open Video Workbook](#)
- [Witness guide to Archiving Video](#)
- [Distribution resources on V4c.org](#)

3. SEF-HOSTING OR VIDEO SERVICE

What is the difference between using a video service and self-hosting your own video?

Using a **Video Service** involves uploading a video file to a service like YouTube, Daily Motion or Vimeo. Your viewers will normally watch your 'channel' on the website of the service.

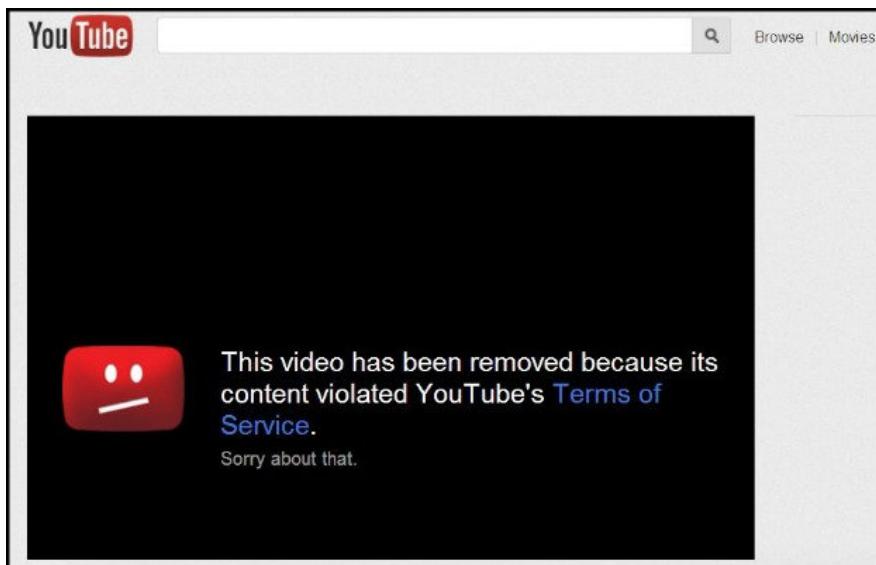
Self-hosting a video means that you upload the video file to your website or some other webspace you are renting.

ADVANTAGES TO SELF-HOSTING VIDEO

Let's compare self-hosting to using YouTube.

No Length Limits: You do not have a default length limit of 15 minutes.

No Takedowns: When YouTube removes one of your videos (a takedown), the process can be quite random and often difficult to reverse. Hosting your own video allows you to keep your video online and deal with any legal issues directly.



Less Blocking: Many companies and some countries block YouTube viewing. You may be able to avoid this blanket blocking.

No Adverts: YouTube has 'pre-roll' ads, overlay ads, banner ads and more ads in 'related videos', 'promoted videos'. Self-hosting avoids this distraction from your message.

Choice of Images and Design: Self-hosting gives you a lot of flexibility when choosing how your video content is displayed.

Director: Franklin Lopez **Date:** 2011 **Budget:** \$20,000 **Genre:** documentary

END:CIV examines our culture's addiction to systematic violence and environmental exploitation, and probes the resulting epidemic of poisoned landscapes and shell-shocked nations. Based in part on Endgame, the best selling book by Derrick Jensen, END:CIV asks: "If your homeland was invaded by..."

[Read more](#)

vodo.com

Latest donations

	Anonymous	\$20.00
	Anonymous	\$5.00

vodo.net encourages viewers to make a donation to the filmmakers
in the way the page is laid out

Show Video in Context: The freedom to be able to display your videos in the context of other video content and other contextualising information is a huge advantage. You can design your pages to offer additional resources, including text, audio and information about relevant campaigns and supporting organisations.

The pad.ma video website has many options to view by categories, areas and keywords making it very suitable for a video archive

No Account Shutdowns: YouTube can shut down or suspend your account at any time and there is limited customer service to be able to dispute or reverse this decision.

Membership or Restricting Viewers: You may have reasons to restrict viewing of certain videos. Self-hosting allows you to do this with greater flexibility than any of the limited options offered by YouTube and similar services.

Barriers to Self-Hosting Video

Bandwidth Costs and Limits: YouTube and similar services are free and remain so even if your video is very popular. When you are self-hosting content, you will have to pay for the bandwidth (data transfer) and for a successful video this could be significant.



If your self-hosted video 'goes viral' then you may exceed your bandwidth limit.

Audience Searchability: Good Search Engine Optimisation (SEO) can make your video content visible for web searches. However, it must be remembered that YouTube is the second most popular internet search engine.

Multiple Encoding of Videos: To effectively distribute your video to a wide range of different devices and users with varying internet connections, it is advised to encode your videos to different resolutions and formats.



A playlist view on YouTube

Limited Embedding Options: YouTube has done a lot of work to allow you to make it easy for users to embed videos in blogs and social media outlets. You can alter the player dimensions and embed playlists or entire channels.

4. A HYBRID APPROACH TO ONLINE VIDEO

A Hybrid approach to online video embraces both external video services and self-hosting on our own websites.

Embedding Video Players

Embedding means you can profit from all the categorisation, navigation, social media sharing and other techniques you use to amplify your message and stay in touch with your viewers.



An embedded video from Vimeo inside a webpage with menu, category tags, search bar and links to buy the filmmaker's films.

Upload Video to Both Your Website and a Sharing Service

When uploading your videos to your own site, you may want to upload to YouTube as a back up. This could allow you to 'swap out' popular videos to prevent your bandwidth costs from being too high.

Upload Video to Multiple Services

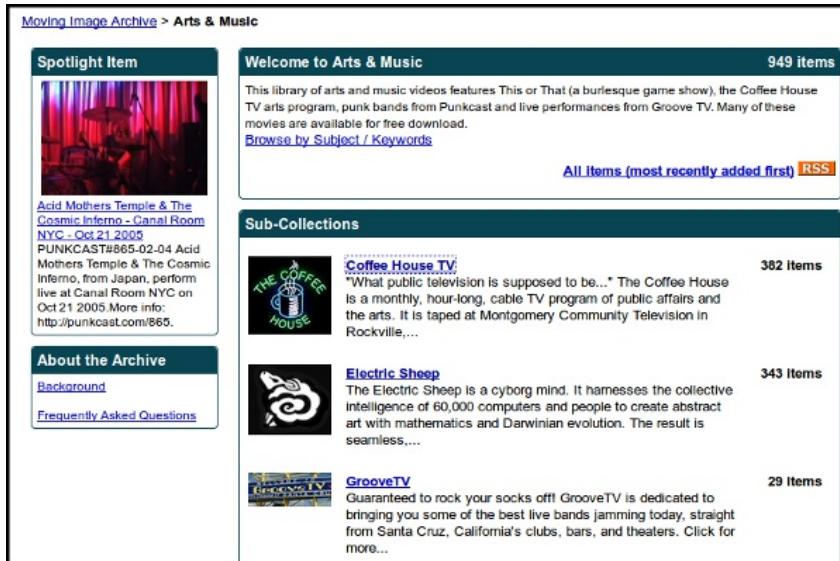
If you are unable to host video on your own webspace, then you can decrease your dependence on any one video service by uploading video to many services or repositories. If you have time and a good internet connection, then you may choose to upload your videos to two or even more video-sharing sites.

This approach provides the advantage of reaching the audience of the different sites and allows you to have a more resilient presence for your videos. If your account is suspended on one service, you can direct your viewers to another.

Use Archive Services

There exist some archive services that allow you to upload video files. While these services may be limited in what they provide, they have proven to be a stable home for video content.

Internet Archive: Their website at archive.org is a repository for openly licensed material. They provide a basic embeddable player. You can also link to video files so they can appear on your site in your own HTML5 players.



The screenshot shows the 'Moving Image Archive > Arts & Music' section of the Internet Archive. At the top, there's a 'Spotlight Item' featuring a video thumbnail of 'Acid Mothers Temple & The Cosmic Inferno - Canal Room NYC - Oct 21, 2005'. Below it is the 'Welcome to Arts & Music' page, which includes a brief description of the library's content (featuring 'This or That', 'The Coffee House TV' program, and 'GrooveTV') and links to 'Browse by Subject / Keywords' and 'All Items (most recently added first)' with an RSS feed icon. The main area is titled 'Sub-Collections' and lists three items: 'Coffee House TV' (382 items), 'Electric Sheep' (343 items), and 'GrooveTV' (29 items). Each collection has a thumbnail image and a brief description.

Collection	Items
Coffee House TV	382 Items
Electric Sheep	343 Items
GrooveTV	29 Items

Archive.org - Art and Music section

WikiCommons: Wikicommons allows you to upload videos in the open WebM or Ogg Theora formats up to 500mb in size. WikiCommons is linked to the Wikipedia foundation, which would seem to ensure that it is a solid archive in which to deposit your video work.



Wiki Commons video pages

Display YouTube Videos in Your Own Player

The interface of the player of your uploaded videos and embedded players from external sites may look very different. It is possible to pipe in video from video services to be displayed in your own HTML5 players.



MediaElement.js player playing a YouTube video inside an unbranded
HTML5 player on
a self-hosted website

The details of this process are explained in other chapters of this guide and examples can be seen in these pages of the [IW Player](#) and [MediaElement.js](#) players.

Aggregating Video from Multiple sources

You may be partnering with many other organisations who may also be creating videos that you wish to display.

GRASSROOTS

What's really going on in the UK? Activism, news, local campaigns, direct action - the country's alive with thought, resistance and alternatives. Watch these programs and then get out there and do something!

The films are used under a Creative Commons licence - find out more about the [producers](#) & get an [updating embed](#) on your site

For BETA text news [here](#)

The Visionon.tv project aggregates many videos on activism into one player with a playlist and encourages others to embed this player into their own websites

The subject of aggregating videos is covered in another section of this guide.

POSSIBLE PITFALLS OF A HYBRID APPROACH

Changing Interfaces: YouTube often changes their interface (called an API). This kind of hybrid approach might rely on this API.

Unreliable for Archives: If your organisation is seeking to use your online video-sharing space as an archive then using a free external service may not be appropriate.

5. ADVANCES IN ONLINE VIDEO PLAYERS

This section of the guide gives a simple introduction to the subject of video players and which video formats to use when self-hosting. Ideally, web technology should be based on open standards and use free, open source software solutions. Open formats and standards are future-proof and widely compatible. As long as media is stored in an open format, there will be a way to access it. Open solutions are also often a cheaper solution.

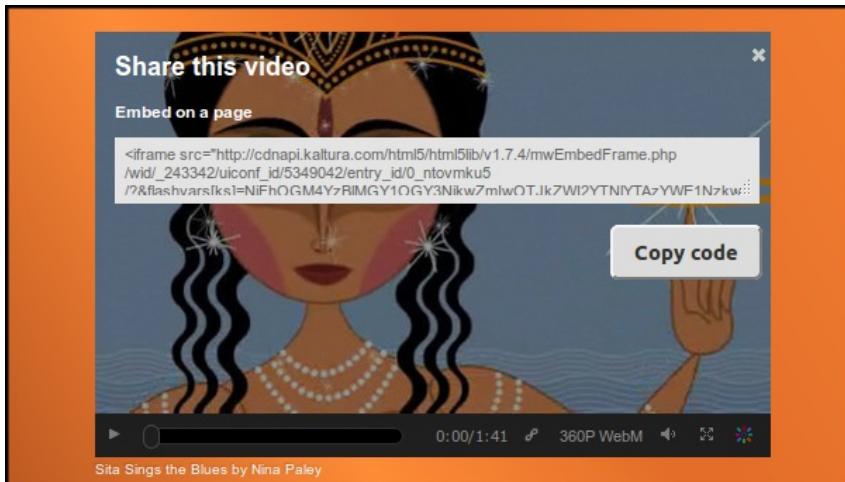
The rapid development of HTML5 web browser has made it much easier to host your own video in a low-cost, compatible way. When we compare our current situation with many fantastic choices of HTML5 players to the proprietary Flash player and swf video format that was dominant only a few years ago, it is clear that we are in a much better position.

Some Examples of Modern Video Players

In this guide, we mostly take a minimalistic approach to documenting the functionality of the players. However, this section shows the visual appeal of some of the new generation of players and the ways they can be integrated into your site.



Sublime HTML5 video player demonstration with an option to share via Twitter, Facebook and Embed codes



Kaltura Video player with a nice option to embed video on a page



MediaElement.js player with an option to display captions and use different looks or skins

SIMPLE SUMMARY OF VIDEO IN HTML5

HTML5 is a series of accepted techniques for a variety of interacting web technologies. Now browsers widely accept the <VIDEO> tag, so delivering video in open formats can be as simple as adding the following line of code to your page.

```
<video src="myvideo.mp4" width="320" height="240"></video>
```

Here is a quick table to give you a quick summary of which browsers will display different video formats using the VIDEO tag

Web Browser	Ogg	WebM	Mp4
Chrome	Yes	Yes	Yes
Firefox	Yes	Yes	No
Safari	No	No	Yes
Opera	Yes	Yes	No

Because not all browsers will display all video formats using the VIDEO tag by default, we would suggest using a custom video player that deals with the situation more flexibly.

Which Video Player?: When choosing a video player, there are several factors that may influence our decision on which one to choose. One important factor is how wide a variety of devices we want our video to be viewed on.

We will get into the technical details of which formats work with which players and browsers in the 'Hand On' sections.

Which Format? H264(mp4) vs WebM: Even if we want to support free and open formats like WebM, we may choose to use more restrictive formats like h264 to reach users on a wide variety of operating systems and browsers.

6. AGGREGATION OF VIDEO

The process of 'aggregation' in this context refers to different ways of bringing together disparate sources of videos and presenting them in one place. Aggregation also often indicates a degree of automation to this process.

EXAMPLES OF VIDEO AGGREGATION WEBSITES

Commercial Video Aggregation Services: These sites can be a useful way of finding video on subjects you are interested in.

The screenshot shows the Videosift 5.0 interface. At the top, there's a navigation bar with 'VIDEOS', 'COMMENTS', 'CHANNELS', 'USERS', and 'SIFT TALK FORUM'. Below the navigation, it says 'Order by: Hotness | Newness' with page navigation from 1 to 82. The main content area features a 'Humanitarian Sift' channel by 'b1968' with a star icon. It describes the channel as a sift for videos concerned with human welfare and the alleviation of suffering, welcoming submissions from documentaries to music videos. Below this, there's a video thumbnail for 'Behrokh Khoshnevis - Contour Crafting' with a 'LONG' label, showing a person standing next to a large 3D-printed structure. The video has 11 likes and was posted by 'Eklek' 1 year 2 months 3 weeks ago with 373 views and a duration of 12:00. The video description includes a link to its Wikipedia page: http://en.wikipedia.org/wiki/Behrokh_Khoshnevis.

Videosift is one of the few remaining commercial video aggregating services driven by users: <http://videosift.com/humanitarian>

Community Video Aggregation Services: Some services (including Miro Community) provide a simple way to pull together and present the videos of you and your partners.

The screenshot shows the homepage of Swansea Telly. At the top, there's a logo with the text "Swansea Telly" and "Share your views". Below the logo is a navigation bar with links: Home, Featured, New Videos, Categories, Popular, Submit A Video, and About Us. The main content area is titled "Featured Videos" and includes an RSS feed link. Two video thumbnails are visible: one for "Liberty Forever!" and another for "Scrap the Bedroom Tax". Each video entry includes a thumbnail image, the video title, a brief description, the date it was featured (6 months ago), and the user who uploaded it (alminordiminished or swanseatelly). There is also a small number '1' in a box in the top right corner of the main content area.

An example of an aggregator site using Miro community:

<http://www.swanseatelly.org/>

Set Up Your Own Video Aggregator: Frameworks like Drupal and Wordpress allow a more flexible approach to what data is aggregated and displayed. This is perfect for a network of video collectives to represent the work of their disparate members.

The screenshot shows the Transmission website, which is a network of online video distribution projects for social change. The header features a large blue "TRANSMISSION" logo with a cartoon character holding a megaphone. Below the logo is a "LOGIN" button and a navigation menu with links: HOME, ABOUT, PROJECTS, PARTICIPANTS, GATHERINGS, BLOGS, and WIKI. The main content area displays a video player showing a scene from a protest. To the right of the video player is a summary box with Japanese text: "更京「君が代」裁判、逆転勝訴！" and "UnionTube 2 years 2 weeks ago". Below the video player are "LATEST VIDEOS" sections. One section shows a video thumbnail of a woman speaking at a podium, with the caption "Restaurer la confiance des Québécois envers leurs politiciens - La constitution d'une démocratie" and "Julien Fortier, participant au Sommet Génération d'idées, les 27 et 28 novembre 2010, répond aux... 2 years 9 weeks ago". Another section shows a thumbnail of a person walking through a store aisle, with the caption "The City Is Ours Rally to end the housing crisis. 2 years 27 weeks ago". At the bottom right, there are two stylized icons: a blue "TX" icon with the word "WHO" and a yellow "WHAT" icon with a satellite dish.

An example of a video aggregation site for social justice at

<http://transmission.cc>

THE MECHANICS OF AGGREGATION

Aggregation can work in a number of different ways.

RSS Feeds & Video Podcasts: An RSS feed is a simple and standard way of getting content from A to B on the internet. Originally very popular for news, it has been adopted for multimedia in the form of *podcasts*.

APIs: Many modern websites have an API as a way of allowing outside sites to interact with the core site. While there are advantages to APIs, they are not official web standards and, as such, they may change in the future.

OEmbed: OEmbed is a useful way to aggregate video by making it easy to use 'embed codes' remotely. OEmbed does this in a standard way so it is unlikely that unexpected changes made by video-sharing sites would cause problems for your aggregator site.

Query or update videos, subscriptions, favorites, friends etc.

Select the feed and the operation to perform

You can query videos, contacts (friends), standard feeds, favorites, subscriptions, etc. No authentication is required for operations, like rating a video, adding a friend or subscribing to a channel. Write operations require you to login. Use the

<p>Video feeds</p> <p>Videos Query Related Query Uploads Query Delete</p>	<p>Community features</p> <p>Ratings Create Comments Query Create Delete Responses Query Create Delete Complaints Create</p>
<p>Saving and collecting videos</p> <p>Favorites Query Create Delete Playlists Query Playlist Get Create Modify Delete Playlist entries Get Create Modify Delete Subscriptions Query Create Delete</p>	
<p>Enabling user interaction</p> <p>Users Get Contacts Query Create Modify Delete Inbox Query Create Delete User activity Query Friends activity Query</p>	

Color codes: Selected operation, Missing input, Error in input, Default if input omitted, * Required

Categories and keywords:

Use this table to restrict your search to one or more [categories or keywords](#).

Projection	<input type="radio"/> Programmatic access <input type="radio"/> Mobile devices <input checked="" type="radio"/> Atom/RSS readers
Categories	<input type="checkbox"/> Music <input type="checkbox"/> News & Politics <input type="checkbox"/> People & Blogs <input type="checkbox"/> Pets & Animals
Keywords	<input type="text" value="undercurrents"/> <input type="button" value="AND"/> <input type="button" value="OR"/>

This page details how to use the YouTube API / RSS feed system to output

a custom feed to import into your website -
<http://gdata.youtube.com/demo/index.html>

USEFUL ONLINE SERVICES

- 7. HANDS ON: USING MIRO COMMUNITY**
- 8. CREATING SUBTITLES ONLINE USING AMARA**

7. HANDS ON: USING MIRO COMMUNITY

Miro Community is a great tool that aggregates (brings together) different videos from different sources. It doesn't take long to set up and produces a great looking site quickly. Have a look at these examples of Miro Community websites.

- <http://pittsburghonvideo.org>
- <http://whyopenedmatters.org>
- <http://www.swanseately.org>

The screenshot shows a Miro Community website with a pink header. The logo consists of three stylized books in green, yellow, and blue. The header text reads "why OPEN EDUCATION matters". Below the header, a call-to-action button says "View Videos!". The main content area is titled "All Videos" and displays eight video thumbnails arranged in two rows of four. Each thumbnail includes a small image, the video title, and the submitter's name. The titles include "Open Educational Resources - Shifting the Landscape", "Why Open Education Matters", "Four Students on Why OER Matters", "Open Educational Resources.uwm.edu", "What Are OERs?", "What Is Open Education?", "Evolution of Yesterday's Classroom.uwm.edu", and "Why Open Education Matters".

As a Service or Self-hosted Miro Community

Miro community is available as a service with various pricing plans or as a code that you can download and install on your server. There are various advantages to either option.

As a Service: The main advantage to run Miro Community as a service is that it takes care of all the technical needs. You simply need to sign up for an account and start using it. Unfortunately, the free service was discontinued during the writing of this guide.

Self-hosted: When self-hosting, you don't run into video number limits, which are part of the service pricing structure. You may also extend the features and change the layout.

Features Miro Community

Here are some of the features that make Miro Community such an appealing option for a video aggregator site.

Display Video Information Attractively

Miro Community takes advantage of feeds and APIs to including thumbnail images of the videos as well as details about them, to create an attractive layout of imported videos. You can set featured videos to show in a slide show.

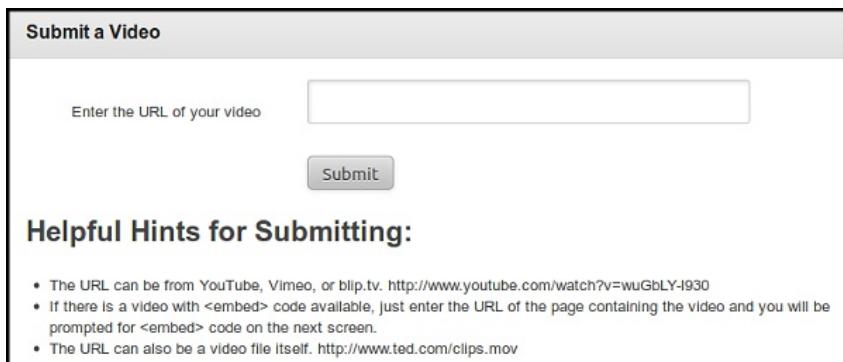


The screenshot shows a slide show of video thumbnails. The first video is titled "Yakkin' With Ya Jagoff! A Visit To 'Randyland' In The Northside". It features two men, one in a blue shirt and cap, and another in a colorful patterned shirt, standing outdoors. Below the video is a caption: "We are yakkin with Randy Gilson of 'Randyland' which is an AWESOME little place nestled in the Mexican War Streets. He's even been on the NBC Today Show. His house AND him, might be the most painted things in Pittsburgh." There is a "Follow On Twi" link and a navigation bar with three dots. Below the slide show are categories: Art & Culture, Digital Learning, Entertainment, Around Town, and Nonprofit News. Under "Entertainment", there are two video thumbnails: "Yakkin' With Ya Jagoff Pittsburgh Photograph" and "Philip Pelusi: From Runway To Real Way (Exten

Add Individual Videos

Add individual videos to the site in the following ways

- Add the URL of a supported video sharing site
- Add the direct link to a supported video file - mp4, webm etc
- Add the details any video that has an embed code

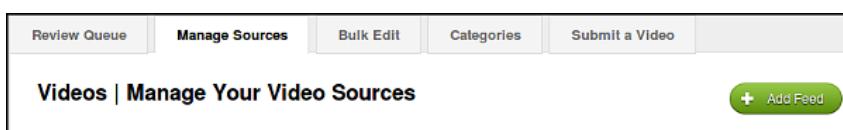


The screenshot shows a "Submit a Video" form. It has a text input field labeled "Enter the URL of your video" and a "Submit" button. Below the form is a section titled "Helpful Hints for Submitting:" with the following bullet points:

- The URL can be from YouTube, Vimeo, or blip.tv. <http://www.youtube.com/watch?v=wuGbLY-i930>
- If there is a video with <embed> code available, just enter the URL of the page containing the video and you will be prompted for <embed> code on the next screen.
- The URL can also be a video file itself. <http://www.ted.com/clips.mov>

Add RSS Feeds and YouTube Channels

If the source of videos that you are trying to add has a RSS feed or if they have a YouTube channel, then these sources can be added. To do this, add the URL of the feed or channel into the **Manage Sources** tab for your Miro Community dashboard. Click on **Add Feed** and follow the instructions.



The screenshot shows the "Videos | Manage Your Video Sources" page. At the top, there are tabs: Review Queue, Manage Sources (which is selected), Bulk Edit, Categories, and Submit a Video. Below the tabs is a search bar with the text "Videos | Manage Your Video Sources" and a green "Add Feed" button with a plus sign.

Approve or Reject Pending Video Quickly and Simply

You can set some sources to appear on your site automatically, or you can add them to a queue of videos that you moderate manually. The process is quick and simple to understand.

8. CREATING SUBTITLES ONLINE USING AMARA

Subtitles can open up your video to new audiences. Subtitles can be a written translation of the video dialogue in a foreign language or a rendering of the dialogue in the original language, often targeting viewers who are deaf, hard-of-hearing or have accent recognition problems.

VIDEO CAPTIONS ONLINE

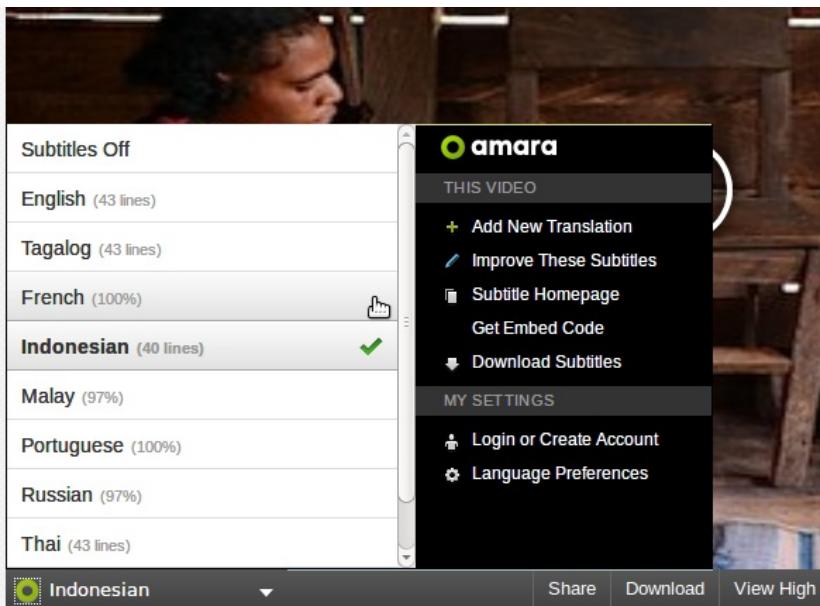
Below we can see a video with English subtitles selected on the subtitler platform [Amara](#).



STARTING A NEW TRANSCRIPT WITH AMARA

To start subtitling a video with Amara, simply go to <http://www.amara.org/> and copy and paste the link to your video into the field titled 'Add a video'.

The video below from the [Papuan Voices website](#) has already been translated into many languages. These can be selected in the online video player.



The process of creating subtitles is quite easy and intuitive.

The work area is shown below.

The screenshot shows the Amara subtitle editing interface. On the left is a video player showing a woman in a kitchen. Below the video is a transcript editor with a red box around the text input field containing 'I Type your subtitles in this field'. To the right is a sidebar with the following content:

- Typing** (Section title)
- Steps: 1 2 3 4
- Instructions: 'Thanks for making subtitles! It's easy to learn and actually fun to do. While you watch the video, type everything people say and all important text that appears on-screen. Use the key controls below to pause and jump back, which will help you keep up.'
- Text entry instructions: 'Press play, then type everything people say in the text entry below the video. Don't let subtitles get too long. Hit Enter for a new line.'
- Key controls: 'Play next 4 seconds' (tab) and 'Re-play last 4 seconds' (shift tab).
- Speed Mode: 'Beginner: play 4 seconds, then pause' with a 'Restart this Step' button.
- Progress bar: 'Done? Next Step: Sync'.
- Bottom message: 'Need to stop and come back later? Save and Exit' (with a red oval around the 'Save and Exit' link).

To add a subtitle, simply start typing in the field below the video player. To start a new title, hit enter. (This is also button you use for line breaks in text documents.)

If you want to save your transcript, but haven't finished it, select **Save and Exit**.

More Resources

More Help Using Amara: One of the reasons for using the open approach of Amara, is that it allows your community to get involved in subtitling the videos. There is more help available on using Amara here - <http://support.amara.org/support/solutions>

HANDS ON: WORDPRESS

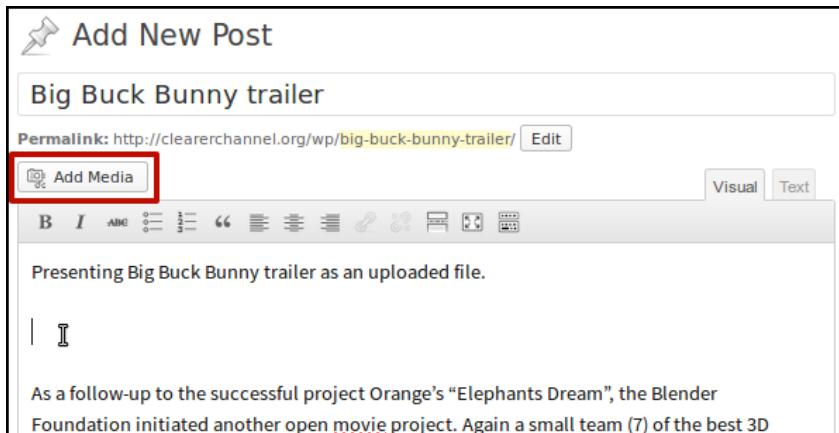
- 9. INBUILT VIDEO FEATURES IN WORDPRESS**
- 10. AN INTRO TO CHOOSING WORDPRESS PLUGINS**
- 11. ADVANCED RESPONSIVE VIDEO EMBEDDER**
- 12. VIDEO AGGREGATION IN WORDPRESS**

9. INBUILT VIDEO FEATURES IN WORDPRESS

UPLOADING AND DISPLAY VIDEO FILES

You may need to check that your hosting plan gives you enough space to upload video files.

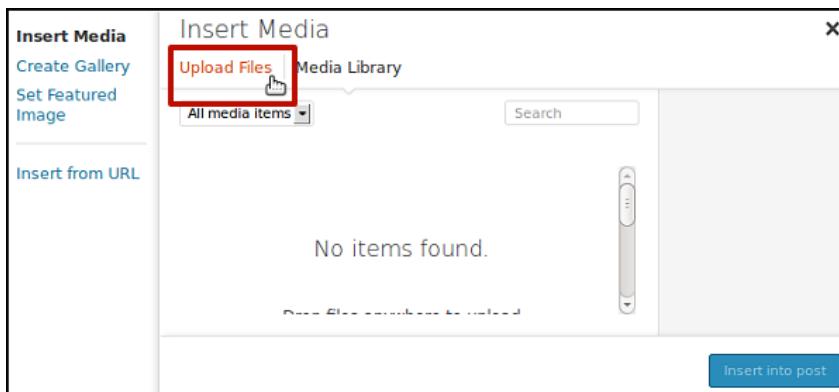
To start, add a new post or page in your WordPress website.



The screenshot shows the 'Add New Post' screen. At the top, there's a title field containing 'Big Buck Bunny trailer'. Below it, a permalink is shown as 'http://clearerchannel.org/wp/big-buck-bunny-trailer/'. A red box highlights the 'Add Media' button in the toolbar. The main content area contains the text 'Presenting Big Buck Bunny trailer as an uploaded file.' and 'As a follow-up to the successful project Orange's "Elephants Dream", the Blender Foundation initiated another open movie project. Again a small team (7) of the best 3D'. There are 'Visual' and 'Text' tabs at the top right of the editor.

In your editor, type the title and text you want to go with your video.

Click where you want to insert your video and then click on the **Media** button.



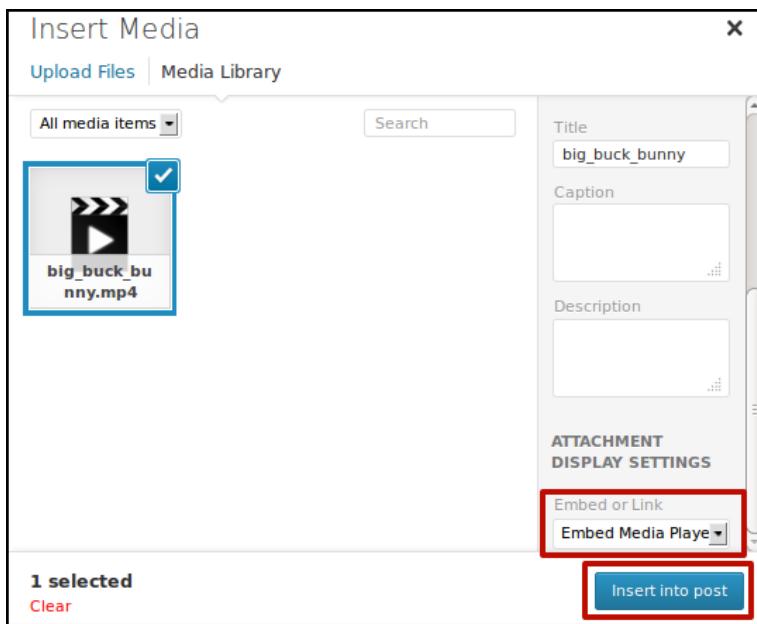
The screenshot shows the 'Insert Media' modal. On the left, there's a sidebar with options: 'Insert Media' (selected), 'Create Gallery', 'Set Featured Image', and 'Insert from URL'. The main area has a title 'Insert Media' and a sub-section 'Upload Files' with a red box around it. Below it is a 'Media Library' section with a dropdown menu 'All media items' and a search bar. The message 'No items found.' is displayed. At the bottom right is a blue 'Insert into post' button.

Click on **Upload Files**.

Now click on **Select Files**.

Browse for your video file and select it to upload.

When your video is uploaded, it will be selected in the Media Library tab.



Choose **Embed Media Player** from drop-down menu, then click on **Insert into Post**.

This inserts a 'short code' into the post that will look something like this.

```
[video width="640" height="360" mp4="http://clearerchannel.org/wp/wp-content/uploads/2013/11/big_buck_bunny.mp4"][/video]
```

You can change the size by altering the width and height in the short code.

Big Buck Bunny trailer

Nov 3, 2013 | Uncategorized | Edit

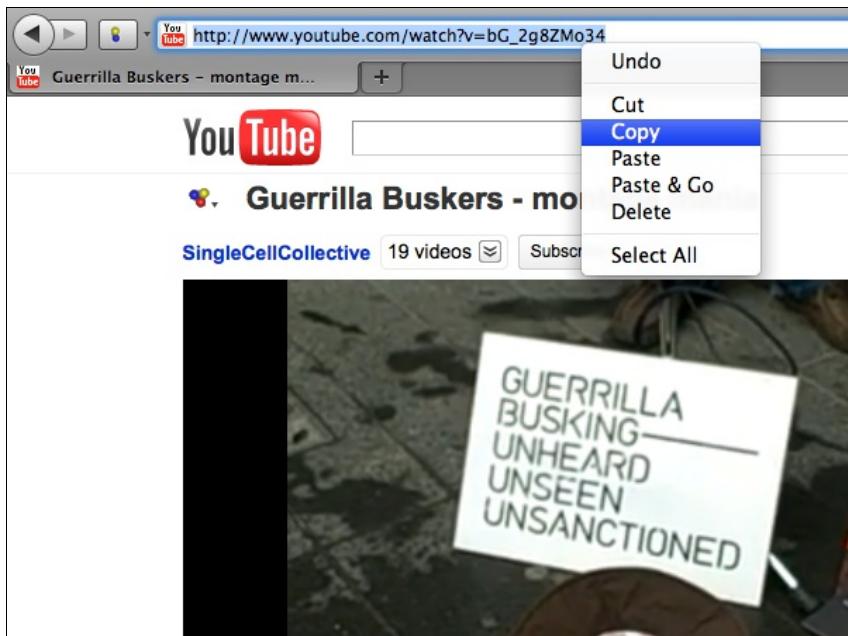
Presenting Big Buck Bunny trailer as an uploaded file.

As a follow-up to the successful project Orange's "Elephants Dream", the Blender Foundation initiated another open movie project. Again a small team (7) of the best 3D

Publish your page and your video upload should work with nearly all kinds of video files, including mp4, WebM, Ogg.

WORKING WITH VIDEO EMBEDS

Copy the URL to your computer's memory.



Then in your WordPress blog you can add a new post, give it a title, write a short description and then paste (right-click > Paste) the URL of the video where you want it to appear.

Add New Post

Guerilla Buskers Montage

Permalink: <http://network23.org/video/2011/08/27/guerilla-buskers-montage/> [Edit](#)

Upload/Insert [Image](#) [Media](#) [File](#) [Visual](#) [HTML](#)

B I ABC [Text Color](#) [Font Size](#) [List](#) [Text](#) [Image](#) [Video](#) [Table](#) [ABC](#) [Text Color](#) [Font Size](#) [List](#) [Text](#) [Image](#) [Video](#) [Table](#)

Paragraph [Text Color](#) [Font Size](#) [List](#) [Text](#) [Image](#) [Video](#) [Table](#)

http://www.youtube.com/watch?v=bG_2g8ZMo34

A video montage produced by People's Voice Media of Cell Collective's Guerrilla Busking at Futuresonic Manchester.

Click on **Publish** on the right of the edit screen.

You can then click on **View Post** to check if the embedding of the video has worked.

Guerilla Buskers Montage

Posted by: mickfuzz on: May 26, 2009

In: Uncategorized Comment!



This footage was taken in Manchester City Centre as part of the Futuresonic 09 festival.

Controlling the Size of Videos and Using Embed Codes

To control the size of your video, and other options, most video-sharing sites will give you access to an **embed code**.

On YouTube, click the **Share** button underneath the video you want. Then click **Embed** to see the embed code you need and select a size of display.

![A screenshot of a YouTube video page for 'John Wizards - Lusaka By Night' by PLANETMUTV. The 'Embed' button is highlighted with a red box. Below it, an embed code is shown: <iframe width=](http://www.youtube.com/embed/zs8HhcYYWYE?rel=0)

John Wizards - Lusaka By Night

PLANETMUTV · 62 videos

Subscribe 2,702

33 412

Like Share Add to

Share this video Embed Email

```
<iframe width="640" height="360" src="http://www.youtube.com/embed/zs8HhcYYWYE?rel=0" frameborder="0" allowfullscreen></iframe>
```

Video size: 640 x 360

560 x 315
640 x 360
853 x 480
1280 x 720
Custom size

Copy the embed code and then click in the body of your post at the place where you want your video to appear. If you are in the Visual editor, change the view from *Visual* to *Text / HTML*.



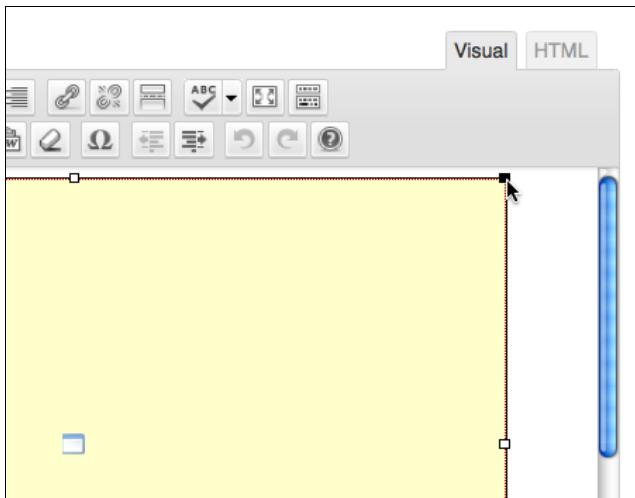
Paste in the Embed Code that you copied earlier. It should look something like the screen shot below.

A screenshot of the WordPress visual editor in 'Text / HTML' mode. The title 'More Busking in Manchester' is at the top. Below it, the permalink 'http://network23.org/video/2011/08/27/more-busking-in-manchester/' has an 'Edit' button next to it. Underneath are 'View Post' and 'Get Shortlink' buttons. The toolbar includes buttons for bold ('b'), italic ('i'), link (highlighted in blue), b-quote, del, ins, img, ul, ol, li, code, more, and lookup. Below the toolbar are 'close tags' and 'fullscreen' buttons. The main content area contains the following HTML code:

```
<iframe width="560" height="345" src="http://www.youtube.com/embed/izfhnGgsQOM" frameborder="0" allowfullscreen></iframe>
```

The 'allowfullscreen' attribute is highlighted with red dotted lines.

If you now switch back to the *Visual* tab, you'll see a square where the video will appear:



To resize, click on a corner and drag the square.

Click **Publish** and **View Post** to review your resizing.

More Busking in Manchester

Posted on [August 27, 2011](#) by [m3shrom](#)



I only want a mall video on this post. Because if people really want to watch it then they can always view it full screen.

10. AN INTRO TO CHOOSING WORDPRESS PLUGINS

If we want to do more with our website than the default way WordPress handles video, we can install extra plugins for WordPress.

While the core functionality of WordPress is maintained by a healthy but relatively restricted group of developers, the wider eco-system of themes and plugins, which add extra functionality and design to the platform, is maintained by thousands of coders.

Because there are so many plugins, it can be a daunting task to know which ones to use. Developers often gather in user groups to pass on tips about plugins that they know work well.

Kaltura All-in-One Video Plugin for WordPress

... can also connect your Kaltura **Video plugin** to Kaltura's Community Edition- the ... **plugin**, or if yo from the Interactive **Video plugin**: Deactivate the **plugin** through the '**Plugins**' menu in the ...

Version: 2.5 Updated: 2013-11-14 Downloads: 172,216 Average Rating: ★★★★★ (86)

Author: Kaltura

WordPress Video Plugin

... WordPress that displays **videos** from many **video** services. The **WordPress Video Plugin** adds a fi WordPress that allows easy **video**tv Yahoo! **Video** Youreporter Youtube Playlist Install Wo **Plugin** either via ...

Version: 0.759 Updated: 2013-5-5 Downloads: 526,236 Average Rating: ★★★★★ (63)

Author: daburna

The results page of <http://wordpress.org/plugins> search for video plugins. You can see when it was update, average rating and the number of downloads.

There are also general tips to help you choose the tools to get the job done.

Are plugins from WordPress.org plugin directory reliable? The plugins directory at <http://wordpress.org/plugins> is a reputable source. Plugins here are openly licenced and available for peer review, rating etc. As you will see, there is other information listed there that helps us make a decision about whether to use it or not. Our advice, if the plugin is not listed here, you should probably avoid it and find an alternative.

Is it simple? The best plugins do one thing and they do it well. If the options for the plugin are too numerous or confusing, try to see if you can achieve the same thing with a simpler plugin.

How many people have downloaded the plugin? You can check this by looking at plugins' home pages in the plugin directory at <http://wordpress.org/plugins/>

Is it up to date? WordPress gets updated quite regularly. The longer it has been since the plugins was updated, the less likely it is to work well.



How is it rated? There is a rating system allowing users to give feedback. This is a good way of quickly assessing plugins.

Is there an active support forum? Some plug in writers are great at supporting the users of their plugins. They fix any bugs, keep the code up to date and respond to questions about how to use it.

Is there more than one coder involved? Ideally you don't want your plugins to become outdated if one coder loses interest. Many great plugins have just one author, but it's safer if there is more than one.

11. ADVANCED RESPONSIVE VIDEO EMBEDDER

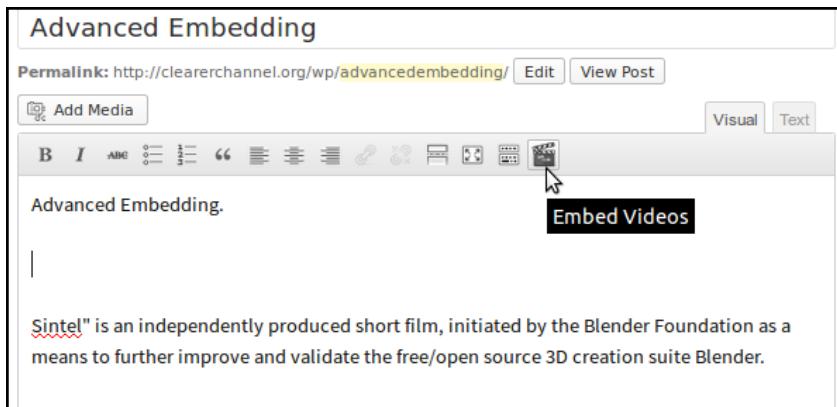
You may want a more flexible way to embed videos than the default. There are literally hundreds of plugins that offer this, so it is hard to offer an overview. Instead, we outline the possibilities of just one called [Advanced Responsive Video Embedder](#).

HANDS ON: USING ADVANCED RESPONSIVE VIDEO EMBEDDER

If you need help on how to search for and install WordPress plugins you [can read help here](#).

To start, install [Advanced Responsive Video Embedder](#) plugin AND an additional plugin called [Jquery Colorbox](#).

You will then see a new icon of a clapper board on your WordPress editor bar.



Click on the icon, and paste in the URL of the video you want to embed in the top box.

URL For Blip.tv, Videojug, Movieweb, Gametrailers, Yahoo!, Spike and Comedycentral paste the embed code, for all others paste the URL! More info	www.youtube.com/watch?v=eRsGyueVLvQ
Mode Optional override setting for single videos.	<input type="button" value="Thumbnail"/>
Align	<input type="button" value="center"/>
<input type="button" value="Show More Options"/>	
Autoplay this video Optional override setting for single videos.	<input type="button"/>
Maximal width Optional override setting for single videos.	<input type="text"/>
Provider	<input type="button" value="youtube"/>

Fill out any other options. Here, choose **Thumbnail** as your mode.

Click on the **Insert Short Code** option.

Your post should now look like the following.

The image shows a WordPress editor window. At the top, there's a toolbar with icons for Add Media, Visual, and Text. Below the toolbar, the text "Advanced Embedding." is visible. Underneath it, a shortcode [youtube id="eRsGyueVLvQ" mode="thumbnail" align="center"] is displayed. Further down, there is a block of text: "Sintel is an independently produced short film, initiated by the Blender Foundation as a means to further improve and validate the free/open source 3D creation suite Blender."

Click on **Publish** to save your post.

When you review it, you should see a thumbnail image of the video.

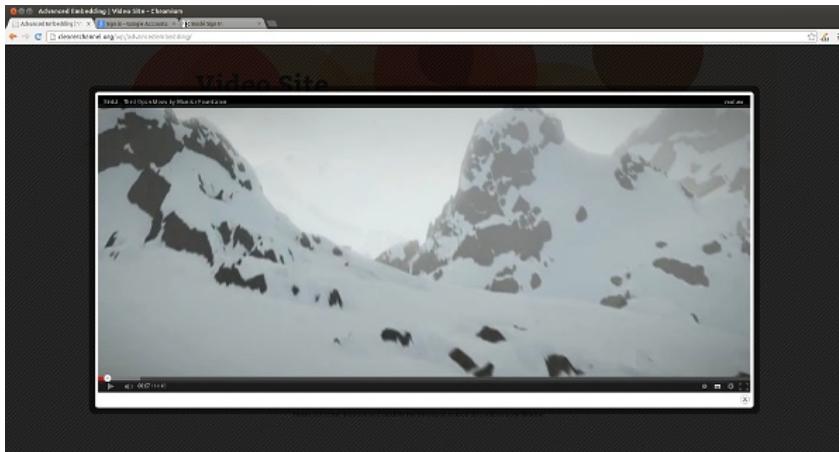
Advanced Embedding.



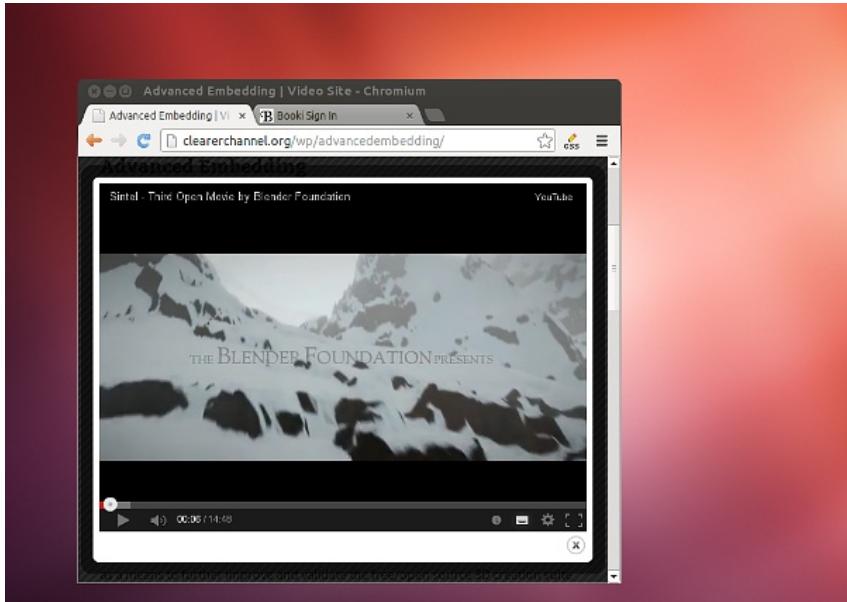
Sintel is an independently produced short film, initiated by the Blender Foundation as a means to further improve and validate the free/open source 3D creation suite Blender.

When we click on this thumbnail, the background of our page will go grey, and our video will play inside a nice looking 'colorbox'. This relies on the jQuery colorbox plugin we installed.

It also intelligently works out how large your browser is on your screen and adapts. This is the **Responsive** part.



On a large screen it looks like the above.



If your browser window is small, it responds and adapts.

There are different settings that you can choose for this colorbox, which change the look.

12. VIDEO AGGREGATION IN WORDPRESS

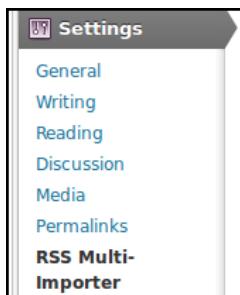
WordPress was first designed as a blogging platform. It has grown into a more flexible system and can be used for much more than its original purpose of single author blogs, arranging their posts in date order. When it comes to more complicated tasks like membership systems and community portals, there are other systems that are more flexible.

In other chapters we outline the use of Drupal CMS to aggregate large amounts of video content. However, if you want to use WordPress to do simple aggregation and presentation of video content it is possible using the [WP RSS Multi Importer](#) plugin.

HANDS ON: USING THE WP RSS MULTI IMPORTER

Install and activate the plugin [in the normal way](#).

Navigate to the settings page of **RSS Multi Importer**.



Click on the **Categories** tab.

Decide what categories you want to create. In this example we will create two - **Climate** and **Myanmar**.

Our aim is to create two pages on our website that display videos from multiple sources on the subjects of Climate and Myanmar.

The screenshot shows the 'Categories Admin' screen. At the top, it says 'RSS Multi-Importer Categories (and their shortcodes)'. Below that, there are two entries: 'Category ID # 1 MYANMAR' with the shortcode '[wp_rss_multi_importer category="1"]' and 'Category ID # 2 CLIMATE' with the shortcode '[wp_rss_multi_importer category="2"]'.

To add the feeds, click on the **Feeds** tab in the RSS Importer settings page.

After adding feeds and assigning them to categories, you can now create pages of imported videos using the short codes listed next to the categories.

Category ID # 1	MYANMAR	[wp_rss_multi_importer category="1"]
Category ID # 2	CLIMATE	[wp_rss_multi_importer category="2"]
Category ID # 3		[wp_rss_multi_importer category="3"]

Copy and paste the relevant short codes into a post or page.

Add New Page

Climage Videos

Permalink: <http://clearerchannel.org/wp/climage-videos/> [Edit](#)

[Add Media](#) [Visual](#) [Text](#)

B **I** **ABG** “

[wp_rss_multi_importer category="2"]

Click **Publish** and review your page.

You should see a list of videos of the appropriate category coming in from the different feeds you have entered.

Charity Myanmar news TV Update Generosity on 03 November 2013



Please subscribe for free to get hot news, voa news and rfa news. Please Subscribe this channel:
<https://www.youtube.com/channel/UCduwUdt0tm73TJ4rjibLqiA> videos VOA Burmese news TV Update VOA... [...]

Sun, Nov 03, 2013

Source: Myanmar Keyword YouTube Category: MYANMAR

Dozens missing after boat sinks off Myanmar



A boat carrying about 70 Muslim Rohingya has capsized off the western coast of Myanmar, with eight survivors found so far, according to an aid worker. Abdul Metik, who works for the humanitarian... [...]

Sun, Nov 03, 2013

Source: Myanmar Keyword YouTube Category: MYANMAR

Censorship in Burma



This Article Censorship in Burma is composed of Creative Common Content. The Original Article can be location at Wikipedia.org. Censorship in Burma or Myanmar refers to government policies... [...]

Sun, Nov 03, 2013

Source: Burma Keyword YouTube Category: MYANMAR

You can add these pages/posts to your site's menu to make it easy for your visitors to find.

Video Site

Just another WordPress site

Climate Videos

Myanmar Videos

Myanmar Vide

Charity Myanmar news TV Update Generosity on



Please subscribe for free

news. Please Subscribe t

<https://www.youtube.co>

/UCduwUdt0tm73TJ4rjib

More Options for WP RSS Multi Importer

There are many many options for this plug in. You may want to try some of the following features.

- **Number of Posts per Page:** This setting allows you to control how many videos posts appear on your category pages.
- **Change the Layout:** There are several templates to change the way your posts appear. The shortcode parameter choices allow you to change the look as well.
- **Feeds to Posts:** This setting turns each feed item into a post. This can make it easier to present these incoming videos in flexible ways.

HAND ON: DRUPAL

- 13. BASIC VIDEO EMBEDDING IN DRUPAL**
- 14. UPLOADING VIDEO FILES IN DRUPAL**
- 15. CHOOSING AN HTML5 VIDEO PLAYER**
- 16. HYBRID APPROACHES FOR VIDEO IN DRUPAL**
- 17. VIDEO AGGREGATION IN DRUPAL**

13. BASIC VIDEO EMBEDDING IN DRUPAL

Drupal is a content management system like WordPress. A lot of developers like Drupal as you can quickly and flexibly create websites with quite complex functionality. As we progress through the sections on Drupal, we will start with a very basic set up and gradually add more features.

Embedding Video in Drupal

To embed video inside Drupal, we can use the OEmbed technique.

First, install and enable the OEmbed module in the normal way. Make sure to also enable the **oEmbed Filter** sub module.

OEMBED			
ENABLED	NAME	VERSION	DESCRIPTION
<input checked="" type="checkbox"/>	oEmbed Core	7.x-0.1-beta3	Common functionality for oEmbed client and provider Requires: Chaos tools (enabled) Required by: Media: oEmbed (disabled), oEmbed Filter (enabled), oEmbed (disabled), oEmbed Provider (disabled)
<input type="checkbox"/>	oEmbed Embed.ly	7.x-0.1-beta3	Provides definitions for all of Embed.ly's providers Requires: oEmbed Core (enabled), Chaos tools (enabled)
<input type="checkbox"/>	oEmbed Field	7.x-0.1-beta3	A formatter for the link field which embeds oembedable content Requires: oEmbed Core (enabled), Chaos tools (enabled), Link (enabled)
<input checked="" type="checkbox"/>	oEmbed Filter	7.x-0.1-beta3	Replaces oEmbed-enabled URL:s with embedded content Requires: oEmbed Core (enabled), Chaos tools (enabled), Filter (enabled)

You can test if oEmbed is working on the test tab of the module's configuration.

In the admin section, navigate to configuration, media, oEmbed and then Test [[admin/config/media/oembed/test](#)].

The screenshot shows the 'oEmbed' configuration page with the 'TEST' tab selected. At the top, there are tabs for 'PROVIDERS', 'SETTINGS', and 'TEST'. Below the tabs, there is a breadcrumb trail: Home > Administration > Configuration > Media > oEmbed. There is a URL input field containing 'http://www.youtube.com/watch?v=YKnbtUckXI' with the placeholder 'URL to request from oEmbed provider'. Below the URL field is a 'Submit' button.

Enter the URL of a video. Click **Submit**. If the test works, you will see an embedded player.

This means you can paste in an URL of a supported video provider into any content post, which will convert to a player when you view the content.

Let's try this with the default **Article** content type.

Title *
Big Buck Bunny Full Length

Tags
animation, test

Enter a comma-separated list of words to describe your content.

Body (Edit summary)

Styles

http://www.youtube.com/watch?v=YKnbtUckXI

Radically different than for example the model-handicraft from van Kaayk, is Big Buck Netherlands computer graphics teacher Sacha Goedegebuure, a comedy about a fat rabbit taking revenge on three irritating rodents.

Post the video URL into an article. Make sure not to make the URL a link or the embed won't work.

Save the post and your video should appear.

Submitted by admin on Sun, 11/03/2013 - 17:26

Radically different than for example the model-handicraft from van Kaayk, is Big Buck Bunny from the Netherlands computer graphics teacher Sacha Goedegebuure, a comedy about a fat rabbit taking revenge on three irritating rodents.nfig/media/oembed/test

Tags:
animation test



This process works well. However, it is quite limited in how the video is displayed. Read on for more options.

14. UPLOADING VIDEO FILES IN DRUPAL

If we want a simple approach to uploading and playing our videos inside an HTML5 player, we can use the built-in File field provided in the Drupal core to hold our uploaded video and an added module to provide a player.

To start, add a field of the 'File' field type to a content type. In this example we use a default Article type. In your admin screen, navigate to Home > Administration > Structure > Content types > Article and click on the **Manage Fields** tab. Add a new File field type in the way below.

LABEL	MACHINE NAME	FIELD TYPE	WIDGET
>Title	title	Node module element	
Tags	field_tags	Term reference	Autocomplete
Body	body	Long text and summary	Text area with WYSIWYG
Image	field_image	Image	Image
Add new field			
videofile1	field_videofile1 [Edit]	File	File
Label		type of data to store.	
		Form element	

Choose **Upload destination: Public files**.

On the next screen, enter a **Help text**, a list of the **Allowed file extensions** to be uploaded and the **Maximum file size**.

Help text
Upload a video file here for display.
Instructions to present to the user below this field on the editing form. Allowed HTML tags: <a> <big> <code> <i> <ins> <pre> <q> <small> <p>
Allowed file extensions *
mp4, ogg, ogv, webm
Separate extensions with a space or comma and do not include the leading dot.
File directory
Optional subdirectory within the upload destination where files will be stored. Do not include preceding slash.
Maximum upload size
100 MB
Enter a value like "512" (bytes), "80 KB" (kilobytes) or "50 MB" (megabytes) in order to restrict the file sizes will be limited only by PHP's maximum post and file upload sizes (current limit 8 MB).

The result is that users of the site can upload a video for others to download. No player so far.

As seen below.

Submitted by admin on Mon, 11/04/2013 - 09:35

As a follow-up to the successful project Orange's "Elephants Dream", the Blender Foundation has started another open movie project. Again a small team (7) of the best 3D artists and developers in the Blender community have been invited to come together to work in Amsterdam from October 2007 to April 2008 on completing a short 3D animation movie.

Tags:

webm animation bunny

videofile1:

 big-buck-bunny_trailer.webm

Adding an HTML5 Player

The next stage is to add video player functionality so users can click and play the video online. In this case we will use the Media Element player.

Install the Media Element module and the Libraries module that it depends on. You can find details here:

<https://drupal.org/project/mediaelement>

<input checked="" type="checkbox"/>	Libraries	7.x-2.1	Allows version-dependent and shared usage of external libraries. Required by: JW Player (disabled), MediaElement.js (enabled), Projekktor (disabled)
<input checked="" type="checkbox"/>	MediaElement.js	7.x-1.2	Provide MediaElement.js to be used on the entire site or just with Filefields. Requires: Libraries (enabled)

This module depends on some extra code. We call this code a library.

To install it, download MediaElement code library from

<http://mediaelementjs.com/>

Unzip it into a libraries directory as supported by the libraries module with the name mediaelement (e.g. /sites/all/libraries/mediaelement).

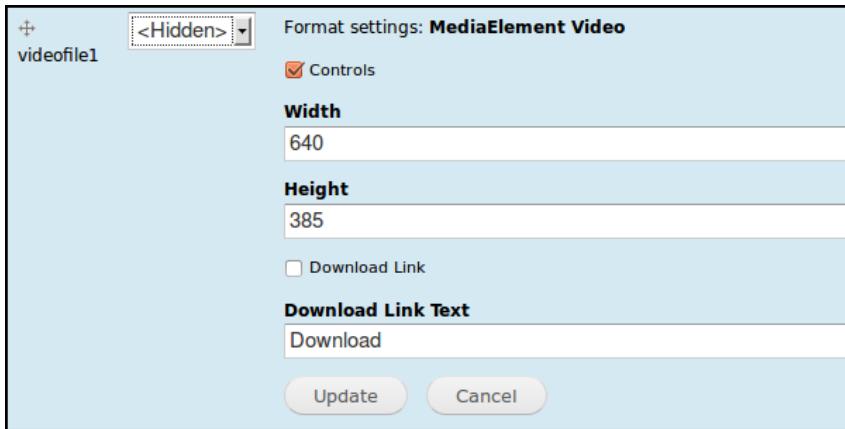
Test if the installation has worked by clicking on the **Configure** link next to **MediaElement.js** in the modules list.

Go back to the **Manage Display** tab of your content type. Edit the setting of your video file field and choose MediaElement Video.

FIELD	LABEL	FORMAT	
+ Image	<Hidden>	Image	Image style: Large (480x480) 
+ Body	<Hidden>	Default	
+ Tags	Above	Link	
+ videofile1	<Hidden>	MediaElement Video	Width: 640 px, Height: 385 px 

You can see a default **Width** and **Height**.

To change this and to add a download link, click on the image of the cog to configure the player.



Clear your cache and return to your uploaded video to test.

You should now see a player with a large play button to easily allow your visitors to click and play, as well as a **Download** link if you chose that option.

As a follow-up to the successful project Orange's "Elephants Dream", the Blender Foundation initiated another open movie project. Again a small team (7) of the best 3D artists and developers in the Blender community have been invited to come together to work in Amsterdam from October 2007 until April 2008 on completing a short 3D animation movie

Tags:
webm animation bunny



15. CHOOSING AN HTML5 VIDEO PLAYER

This section focuses on choosing an HTML video player and Drupal CMS. However, the same approach could be used for many other systems.

HTML5 is a specification and set of technologies that allow us to take advantage of the latest things you can do inside of web pages. The HTML5 specification added a <VIDEO> tag that was a step forward in delivering video.

CHOOSING PLAYER FUNCTIONALITY

While some will celebrate the diversity of HTML5 Video players available to us, others may find the range of choice confusing. Here is a list of just some of the most popular players.

- [Kaltura Video Player](#)
- [Projekktor Video Player](#)
- [Video JS Player](#)
- [JW Video Player](#)
- [jQuery Video Video Player](#)
- [Mediaelement.js Video Player](#)
- [SublimeVideo Video Player](#)
- [JPlayer Video Player](#)
- [Flowplayer](#)

Luckily, there are a few websites that can help us to make this choice. The following process is based on the approach of these websites.

- <http://html5video.org>
- <http://praegnanz.de/html5video/>

First, we need to decide on what functions we want our player to be able to do. The sites list some of the following features that you may or may not need for your website.

- **Flash fallback:** Can you use a flash video player or plugin if the user's browser doesn't support your video?
- **Unified Look/API:** Is the look and functionality the same for HTML5 and the flash fallback option?
- **iOS Support:** Will the videos play on iOS devices like iPads and iPhones?
- **True Fullscreen:** Is there an option to scale the player up to full screen?
- **Subtitles:** Can you display subtitles over videos?
- **Playlists:** Can you input a list of videos and display the queued videos?
- **CMS Plugin:** Are there plugins to make it easily usable for CMSs like WordPress and Drupal?
- **Skinnable:** Is it possible to add 'skins' to change the look of the player?

There are some handy tables on the websites mentioned.

This chart is from HTML5Video.org.

	License	Flash Fallback	iOS	Fullscreen	Keyboard Interface	Subtitle Support
Kaltura HTML5 Video Player	GPL v3	✓	✓	✓		✓
Projekktor HTML5 Video Player	GPL v3	✓	✓	✓	✓	✓
Video JS HTML5 Player	GPL v3	✓	✓	✓	—	✓
JMediaelement HTML5 Video Player	GPL v2 & MIT	✓	—	✓	✓	✓
Mediaelement.js HTML5 Video Player	GPL v2 & MIT	✓	✓	✓	—	✓
LeanBack HTML5 Media Player	GPL v3	—	✓	✓	✓	✓
Mooplay HTML5 Video Player	GPL v3	—	—	✓	—	✓

The following chart is from praegnanz.de/html5video/.

	JS Library	Flash ¹⁾ fallback	Unified ²⁾ Look/API	iOS Support	True ³⁾ Fullscreen	Keyboard Control	Subtitles	Playlists	CMS Plugin
Acorn Media Player	IQ			✓	✓	✓	✓		
Codo Player		✓	✓	✓	✓			✓	
★ flowplayer	IQ	✓	✓	✓	✓	✓	✓	✓	
html5media		✓		✓	✓	✓			

Our top 5 Video Player Modules for Drupal

Here are our top five modules to help integrate Video Players into Drupal:

- [MediaElement](#)
- [JWplayer](#)
- [Projekktor](#)
- [Flowplayer](#)
- [Videos](#)

16. HYBRID APPROACHES FOR VIDEO IN DRUPAL

This chapter looks at just two techniques for a Hybrid approach to video in Drupal, using well-supported modules. Specifically, incorporating external video files into a player using the **Link** module, and merging uploaded video files and video from external services using the **Media** module.

Hands On: Incorporating External Video Files

To start, install the **Link** module.

Add a link field to a content type and give it a name like **Video Link**.

LABEL	MACHINE NAME	FIELD TYPE	WIDGET
⊕ Title	title	Node module element	
⊕ Body	body	Long text and summary	Text area with a summary
⊕ Add new field	videolink1	field_videolink1 [Edit] Link	Type of data to store. Form element to edit the data.

Then set up a Link field to use **Media Element Video** in the **Manage Display** section of the Content Type.

The screenshot shows the 'Manage Display' tab for a 'Video' content type. The 'Body' field is set to 'Default' format. The 'videolink1' field is set to 'MediaElement Video' format. The URL for the video is listed as http://video.webmfiles.org/big-buck-bunny_trailer.webm.

Click **Save**.

Test this set up by first pasting in a URL from an external file hosting service like Archive.org.

The screenshot shows the configuration for the 'videolink1' field. The 'Title' is 'Big Bunny Trailer' and the 'URL' is http://video.webmfiles.org/big-buck-bunny_trailer.webm. A note states: 'The link title is limited to 128 characters maximum.'

If we preview this, we see it works well to create a player that is streaming the external video file.

Big Buck Bunny Trailer



Hands On: Displaying Video from Services and Uploaded Video

To use it, install and enable the [Media](#) module in the normal way then some helper modules extending media. To test it, try [media_youtube](#) and [media_vimeo](#) to get you started, but there are many more available.

Add a File field to content type, and select **Media File Selector** as widget type.

Add new field

Video Media	File	Media file selector
Label	Type of data to store.	Form element to edit the data

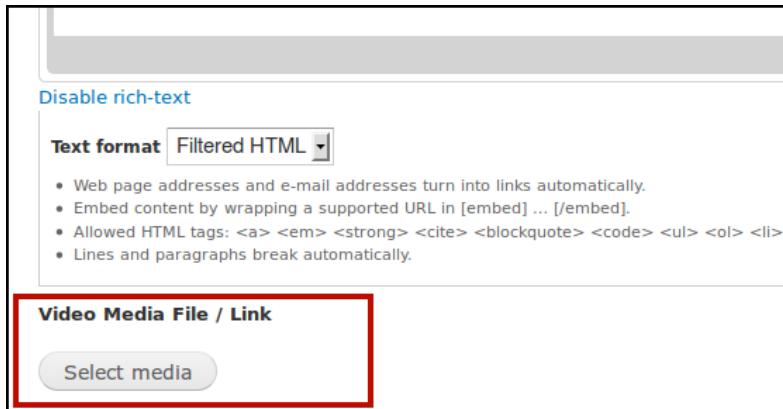
Configure file types allowed for uploaded video, select Video for Allowed remote media type, select Youtube and Vimeo, and enter other details like max file size.

Allowed file extensions for uploaded files *
mp4, ogv, webm
Separate extensions with a space or comma and do not include the leading dot.

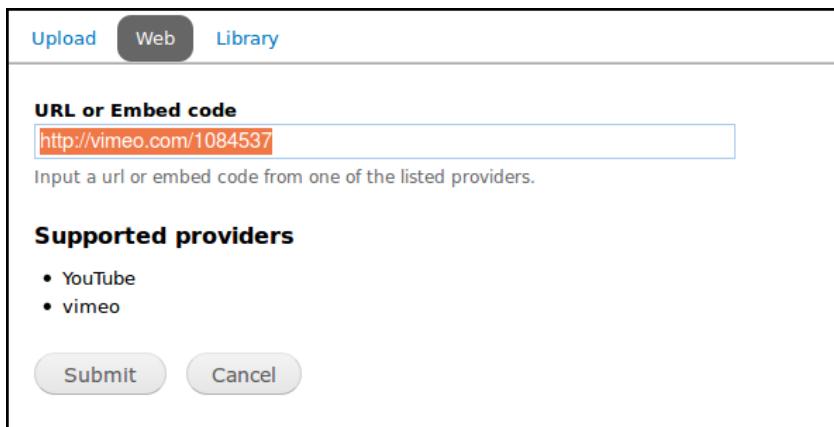
Allowed remote media types
 Audio
 Image
 Video
 Other
Media types which are allowed for this field when using remote streams.

Allowed URI schemes
 vimeo:// (Vimeo videos)
 youtube:// (YouTube videos)
 public:// (Public files)
URI schemes include public:// and private:// which are the Drupal files directories, and may also

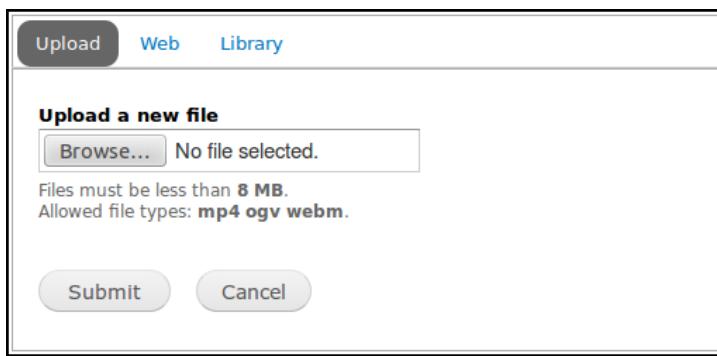
When we add our video content, now we can see a **Select Media** button.



This gives us a flexible dialogue box where we can **Upload** a new video, enter a **URL or Embed code** from one of the video service, or choose a video already in our **Media Library**.



Try either an upload or a web link.



To display the video, we need to choose different options in the **Manage Display** tab of our File field.

For video coming in from services like **YouTube** and Vimeo, choose **Rendered File**.

FIELD	LABEL	FORMAT
⊕ Body	<Hidden>	Default
⊕ Video Media File / Link	Above	MediaElement Video
Hidden		
No field is hidden.		
► CUSTOM DISPLAY SETTINGS		
		Rendered file
		Large filetype icon
		MediaElement Video
		MediaElement Audio
		<Hidden>

However, for uploaded video, we need to select **MediaElement Video**.

17. VIDEO AGGREGATION IN DRUPAL

In other parts of the guide we have dealt with the advantages of aggregating video clips to present them in one place. Let's find out how to do that in Drupal. This hands on guide will pull videos from RSS feeds into Drupal content nodes.

Hands On: Using the Feeds Module to Aggregate RSS Feeds

Install and enable the following modules in the normal way: [media](#), [media_youtube](#), [media_element](#), [feeds](#), [media_feeds](#), [media_internet_sources](#) (part of media), feeds admin (part of feeds). You should also install the Simple Pie library, see [these notes for instructions on how to do this](#).

Set up a content type for your video as in the previous chapter. In this case, a new one called **Imported Video**.

Use a **File** field as a Media file selector widget.

LABEL	MACHINE NAME	FIELD TYPE	WIDGET
+ Title	title	Node module element	
+ Body	body	Long text and summary	Text area with a summary
+ Imported Video File / Link	field_videofile	File	Media file selector

Under Manage Display, set the format to **MediaElement Video**.

Tech Note: if you are importing videos other than YouTube, you may need to choose the **Rendered file** or **oEmbed** method as **MediaElement** may not work.

Add an Importer

A feed importer is the way we add and configure our site to accept data from RSS feeds. It allows us to set different configurations for different kinds of feeds.

Select **Structure > Feed Importers > Add Importer**

Add relevant name and description.

Feeds importers +

Home » Administration » Structure » Feeds importers

Name *
Media RSS importer Machine name
A natural name for this configuration. Example: RSS Feed. You can always change this name later.

Description
a general media rss importer
A description of this configuration.

Create

Complete **Basic Settings**. Make sure **Attach to Content Type** is set to **Stand alone form**.

Under Parser click Change and set to Simple Pie.



Make sure Processor is set to **Node Processor**.

Node Processor settings to the name of your content type.
Imported Video.

The screenshot shows the 'Settings for Node processor' configuration screen. Under the 'Bundle' section, the dropdown menu is set to 'Imported Video', which is highlighted with a red box. The 'Update existing nodes' section contains three radio button options: 'Do not update existing nodes' (selected), 'Replace existing nodes', and 'Update existing nodes'. A note below states: 'Existing nodes will be determined using mappings that are a "unique target"'.

Set Text Format to **Filtered HTML**.

Now click on **Mapping** link under the Processor settings on the left of the screen.

Now start to add mapping settings. These are different, depending on your source. Read on to see two possible mappings with a YouTube feed and a standard podcast RSS feed.

Map a YouTube Feed

Fill out the mapping sections as follows.

SOURCE	TARGET	TARGET CONFIGURATION
⊕ Title	Title	Not used as unique. [gear icon]
⊕ Item GUID	GUID	Used as unique. [gear icon]
⊕ Published date	Published date	
⊕ Description	Body	
⊕ Item URL (link)	Imported Video File / Link (media_internet)	

Map a RSS feed with Enclosures (Podcast)

We can now import a WordPress feed as an example of a podcast with links to media files.

To do this, we need to create another importer and repeat the above procedure but we will map **Enclosures** to our **Imported Video File** field.

⊕ Published date	Published date
⊕ Enclosures	Imported Video File / Link (media_internet)

Importing the Video Items

To import our media items, go back to basic settings and click the link for stand alone import page.

Attach to content type

If "Use standalone form" is selected a source is imported by using a form under <http://mutant.clearerchannel.org/import>. If a content type is selected a source is imported by creating a node of that content type.

We should see our two importers.

Import	Description
YouTube RSS importer	a general media rss importer
RSS with enclosures	RSS with enclosures

Click on one of them. Enter your RSS feed and click on **Import**.

Media RSS importer

Import Delete items Log Unlock

Status

- No imported items.

Import

URL *

Enter a feed URL.

Import

When you check your imported videos, they should display with an HTML player.

Bike2Oz Episode 09 India

Submitted by Anonymous (not verified) on Tue, 09/17/2013 - 11:33

<http://www.bike2oz.com/> Episode 09 India Cycling into the Himalayas to see the Dalai Lama. The 2 cyclists find out how the Chinese have forced thousands of Tibetans into exile by violence. Then they jump on the bicycles for a trip to polluted Delhi. They escape to Taj Mahal and eat yummy sweets. Bike2Oz is the epic adventure of a young school teacher and a train worker in Oxford. After teaching her pupils about global warming, Lowanna decided she couldn't risk damaging the climate by flying home to Australia. With her partner Kevin, the couple travel the 12,000km to Sydney using only sustainable transport- the train, bicycle and cargo ship. <http://www.bike2oz.com/>



FINDING YOUTUBE FEEDS

If you are not sure where to find RSS feeds for YouTube videos, there is some good help here.

- A feed by user:
<https://gdata.youtube.com/feeds/api/users/undercurrentspaulo/uploads>
- A feed by tag: <feed://www.youtube.com/rss/tag/madonna.rss>
- A feed by category and subcategory:
<http://gdata.youtube.com/feeds/videos/-/Music/madonna>

There is much [more detailed help here](#).

HAND ON: PLUMI

- 18. INTRO TO PLUMI**
- 19. PLUMI FEATURES**
- 20. INSTALLING AND CONFIGURING PLUMI**

18. INTRO TO PLUMI

So far we've looked at two open-source options for creating your own video site - Wordpress and Drupal - which are well suited to small and medium-sized communities of users, and are both written in the widely used PHP scripting language.



[Plumi](#) is another free software alternative, which has many advanced features to create a fully-fledged video-sharing community out-of-the-box, that will also run on tablets and mobiles. However, it is written in [Python](#) and based on the [Zope](#) application server, which fewer developers are versed in. If you have access to these skills, you can take advantage of this powerful video-sharing web application.

Plumi is a package of customisations built upon the enterprise-level FOSS Content Management System [Plone](#), enabling you to create your own sophisticated video-sharing site. It includes an adaptive visual theme, server-side transcoding of most video formats, upload progress bar, thumbnail extraction, HTML5 video playback and embedding, subtitles using [Amara](#), large file uploading via FTP, social media integration and more.

Plumi was specifically designed by [EngageMedia](#) to be a platform for non-profits and independent journalists to create their own video communities. However, it was also designed to be modular and customisable, and contains smaller Python packages that can be run independently (such as Transcode Star, a suite of modules that provides media transcoding services to Plone sites).

Plumi was first released in 2007 and has been updated to work with each latest version of Plone along with continually expanding its feature set.

This chapter assumes higher-level familiarity with software development, including a working knowledge of Linux web-servers and Python. We will cover the basics of Plumi's features and a basic installation and configuration guide here.

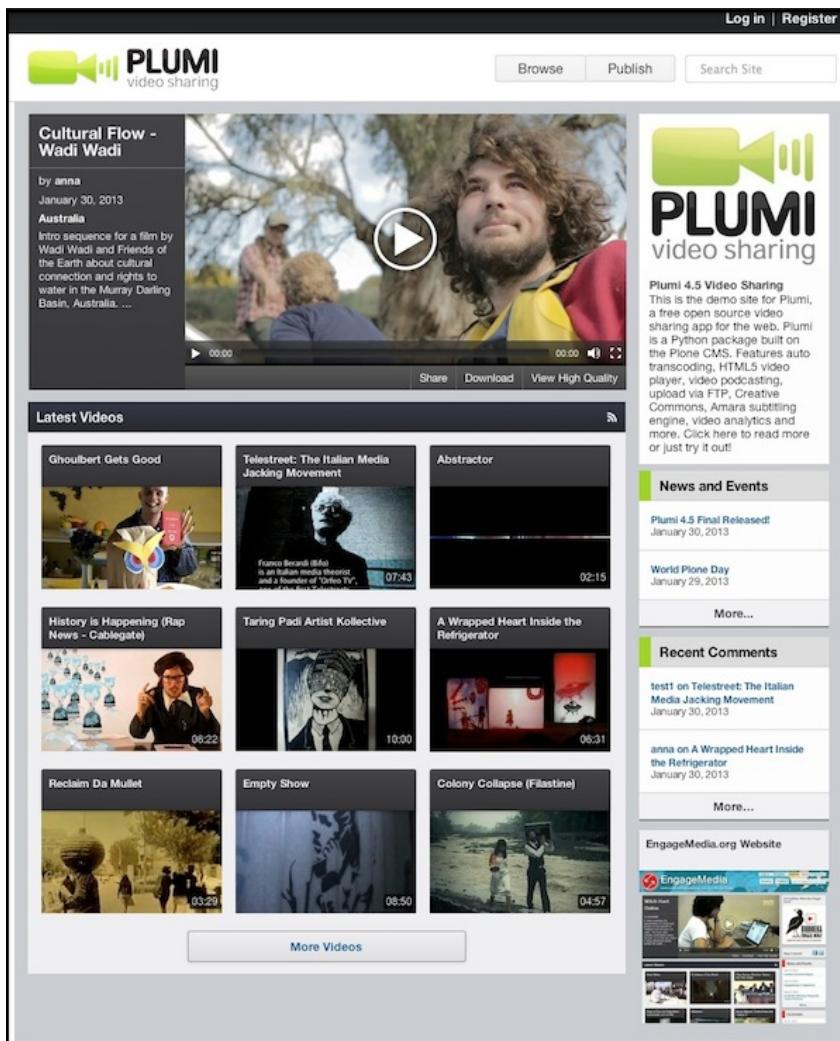
More information about Plumi can be found on the Plumi blog, including links to a working demo of Plumi to try out for yourself, a full copy of the Plumi manual on Flossmanuals, the development tracker and code.

If Plumi seems right for your project, we recommend you grab a copy of the code to install and assess it for your own needs. There is an email discussion list where you can find help to get it running.

19. PLUMI FEATURES

We will look at three main aspects of the Plumi user interface, as well as list Plumi's video, community and development features.

FRONT PAGE

A screenshot of the Plumi video sharing front page. At the top right are links for 'Log in' and 'Register'. Below that is a search bar and navigation buttons for 'Browse', 'Publish', and 'Search Site'. The main content area features a large video player for a film titled 'Cultural Flow - Wadi Wadi' by Anna, posted on January 30, 2013. The video shows a man with curly hair and a beard looking up at a tree. Below the video player are buttons for 'Share', 'Download', and 'View High Quality'. To the left of the video player is a sidebar with the video title and author information. To the right is a sidebar with a summary of Plumi 4.5 Video Sharing, news and events, recent comments, and a link to EngageMedia.org. Below the main video player is a grid of nine smaller video thumbnails under the heading 'Latest Videos'. Each thumbnail includes the video title, a preview image, and its duration. A 'More Videos' button is located at the bottom of this grid.

Plumi's front page. You can see that users can browse the latest videos (with durations captured on upload), watch a featured video on the front page, publish videos as well as news and events, comment on videos, download videos, and share them via social networking sites.

PUBLISH FORM

The screenshot shows the PLUMI video sharing platform's publishing interface. At the top, there's a navigation bar with links for 'Browse', 'Publish', and 'Search'. A user menu on the right is open, showing options like 'My Profile', 'My Folder', 'My Preferences', 'Moderate comments', 'Review List', 'Site Setup', and 'Log out'. The main area is titled 'Publish your video' and features a large input field with the placeholder 'Add a Video - Click or Drag & Drop'. Below this, there are two tabs: 'Basic Info' (selected) and 'Categorise'. The 'Basic Info' section contains fields for 'Title' (with a required asterisk), 'Short summary' (with a character limit of 160), 'Year Produced' (with a dropdown menu showing 'English'), 'Video Language' (set to 'English'), 'Full Description' (with a rich text editor toolbar and a 'Edit without visual editor' link), and 'Add thumbnail' (with a note about automatic generation and a file upload button). The 'Copyright License' section includes checkboxes for 'Site Default (All Rights Reserved)' and 'All Rights Reserved'.

On the publish page you can drag and drop a video file to upload, add metadata, attach a custom thumbnail (thumbnails are also automatically generated), attach a copyright or Creative Commons license, and categorise the video, all while uploading using the Ajax form. In the user options tab, you can see links to profile, preferences, a folder storing all the user's content - and for Reviewers and Managers the ability to review moderated content and configure options in the site setup panel.

VIDEO VIEW PAGE



Browse

Publish

Search Site

Taring Padi Artist Kollective



This Indonesian collective uses street theatre, huge banners/paintings, puppets, zines, music and street posters to communicate social and political issues.

[Show more](#)

Video Info

Duration	10:00
Genres	Documentary
Topics	Art / Culture
Tags	political social street art poster woodcut printmaking collective community education
Country	Indonesia
Language	English
Producer	Karen Eliot
Director	Karen Eliot
Contact	write the producer
Year produced	2011
Production Company	The Blind Authority Manipulation Corporation

Copyright 2012, by the Contributing Authors. All Rights Reserved [Cite/attribute Resource](#).

[Log in to add comments](#)

Other videos by this member

<p>Ghoulbert Gets Good</p>
<p>Telestreet: The Italian Media Jacking Movement</p>
<p>Abstractor</p>
<p>History is Happening (Rap News - Cablegate)</p>
<p>A Wrapped Heart Inside the Refrigerator</p>
<p>Reclaim Da Mullet</p>
<p>Empty Show</p>
<p>Colony Collapse (Filastine)</p>
<p>Cultural Flow - Wadi Wadi</p>

On the video view page, you can view metadata added by the user, watch the video (in fullscreen, in high or low resolution), watch any subtitles that have been added, click to add your own subtitles (using Amara), and view a list of other videos by the same author. You can also log in to add comments.

FEATURE LIST

Plumi's benefits can be understood in three main categories - video functionality, community features and development.

VIDEO FEATURES



Upload Any Video Format

Plumi automatically transcodes most video codecs to webm & mp4. Through the web or via FTP.



HTML5 Video Player

Play videos in high/low resolution, fullscreen, share, embed and download.



Subtitles Using Amara

Watch videos with subtitles or easily add your own using the Amara system that is implemented into Plumi.

COMMUNITY FEATURES



Browse videos

User-friendly browsing and feeds by genre, topic, country or member.



Moderation

Control publishing of videos, news, events and comments. Email notifications.



Discussion

Threaded comments, feedback for members and site contact form.



Creative Commons

Choose how you want to share your video and attach a licence.



Advanced Search

Find content by live search and filter results.



Users and groups

Plone's existing members functionality plus customised profiles.

DEVELOPMENT



FOSS Plumi is written in Python and based on the Plone content management system. Code is released under the GPL.



Installer Package Plumi comes as a packaged buildout, containing everything you need to run your Plumi site – Plone, the Plumi.app, Nginx, Supervisor, Varnish and more.



Documented Consult the Plumi manual for all the details on how to install, set up and customise Plumi.



Supported Join the discussion list with any questions you have about getting Plumi up and running. The Plumi community will point you in the right direction.

20. INSTALLING AND CONFIGURING PLUMI

INSTALLATION

The most up to date Plumi installation guide can be found at
<https://github.com/plumi/plumi.app/blob/master/docs/INSTALL.rst>

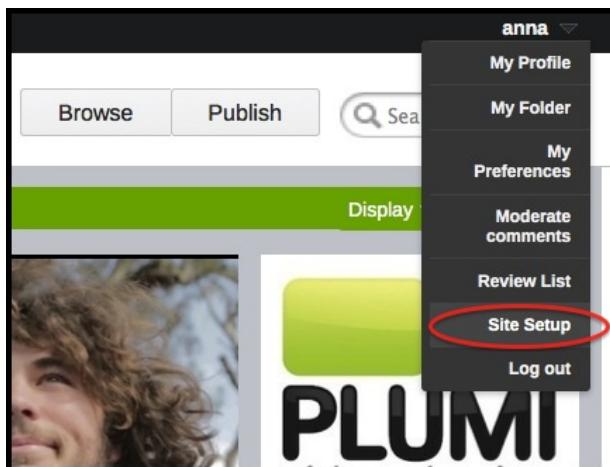
This page takes you through how to install Plumi on Debian/Ubuntu. Plumi is a package that includes an application server, web server, FTP server, cache server and media transcoding system. The guide runs you through required packages, how to run the buildout, and how to check all services are running.

CONFIGURATION

[Plumi](#) and [Plone](#) itself (upon which Plumi is built) are highly configurable. This chapter covers some of the aspects of Plumi which you can configure easily, with links to further documentation about customisation.

Site Setup

You can configure Plumi's built in settings by accessing Site Setup by clicking the site setup link in the top right. Please note that you must be logged in as a user with the Manager role to do this.



Basic Plone Configuration is available, as well as configuration of Add-On Products (including Plumi packages).

Site Setup

Configuration area for Plone and add-on Products.

Plone Configuration

 Add-ons	 HTML Filtering	 Security
 Calendar	 Image Handling	 Site
 Configuration Registry	 Language	 Themes
 Content Rules	 Mail	 TinyMCE Visual Editor
 Diazo theme	 Maintenance	 Types
 Discussion	 Markup	 Users and Groups
 Editing	 Navigation	 Zope Management Interface
 Errors	 Search	

Add-on Configuration

 Content Licensing	 Plumi settings	 Upload Settings
 Piwik settings	 Ratings	 Vocabulary Library
 Plone captchas setup	 Transcode settings	

Plone Configuration

- **Add-ons.** Which add-on modules you have available to implement on your Plumi site.
- **Calendar.** Settings such as the first day of the calendar week.
- **Configuration Registry.** Settings for some add-on modules.
- **Content Rules.** Rules that automatically perform actions on content when certain triggers take place.
- **Diazo theme.** The visual theme for Plumi uses Diazo, read more [here](#).
- **Discussion.** Configure commenting.
- **Editing.** Configure the WYSIWYG editor.
- **Errors.** A log of the most recent errors that have occurred on the site.
- **HTML Filter.** Plone filters HTML tags that are considered security risks. Here you can change the settings for which tags are stripped and which are allowed.
- **Image Handling.** Configure sizes for images generated by Plumi.
- **Language Settings.** Here you can define which languages are available on your site. Plumi currently offers both English and Indonesian with more languages to follow.
- **Mail.** Mail settings, including SMTP server and the 'From': address for emails sent by your website.
- **Maintenance.** Restart the Zope application server (which runs Plone and your Plumi site) and change other maintenance options.
- **Markup.** Change from default HTML to other kinds of markup such as plain or structured text.
- **Navigation.** Navigation settings, including what kinds of content appear in the tree.
- **Search.** Which content types can be searched.
- **Security.** Settings including passwords.
- **Site.** Change site title and description plus various site-wide settings.
- **Theme.** The older pre-Diazo theme configuration.
- **Types.** Workflow, visibility and versioning settings for your content types.
- **Users and Groups.** Add or remove users, define groups, assign roles (permissions) to users and to groups.
- **Zope Management Interface.** Further configuration settings in the older ZMI interface.

Add-On Configuration - Plumi Specific Settings

- **Content Licensing Settings.** Open content licencing options including Creative Commons.
- **Piwik settings.** Configure server name etc. for your Piwik instance.
- **Plumi settings.** Configure notifications on publishing content.
- **Ratings.** Set which content has ratings applied.
- **Plone Captchas Setup.** Change colours etc. of captchas.
- **Transcode Settings.** Enter transcode server address, set mime types etc. **Also here you can configure subtitles.** By default, subtitle support through Universal Subtitles is enabled. You can disable it through Site Setup->Transcode Settings. You can also disable downloads through embedded videos there.
- **Upload Settings.** Allowable image sizes and types for upload.
- **Vocabulary Library.** Here you can upload vocabularies to create taxonomies within Plumi e.g video Genres, Topics, Languages and Countries (by default).

Further Customisation

For more information on customising your Plumi site please consult the [documentation on Plone.org](#).