**Components**

**Primary Systems**

**DAMS - Digital Asset Management System.**

php, mysql, apache webserver.

Management system for all assets audio, video, images etc.

**Content Delivery System.**

php, mysql, apache webserver.

Delivers the metadata for content and appropriate content streaming / download urls.

**Subsystems**

* ***Transcoding***.

FFMPEG.

Transcodes raw audio, video to deliverable formats.

On Demand Streaming Content

Audio - AAC LC

Video - h.264

Container - mp4

Live / Linear Radio Streaming Content

Audio - mp3

* ***Wowza***

Deliver audio, video content in various formats.

HLS, HDS, RTSP, MS Smooth Streaming, MMS, RTMP

* **Icecast / Ices**

Linear playback (radio) of audio content.

Supplies http stream to wowza, which further delivers the content.

* **SOLR Search.**

Search for content metadata.

**Secondary Systems**

**Ad server**

Java, Jetty

Deliver ads to web/mobile.

**Reporting**

Php, Mysql, Apache WebServer

Reads wowza logs to give content usage logs, feedback goes back to DAMS

**Display Systems (with CMS of their own)**

**Website**

Php, MySQL, Apache web server.

**Wap site**

Php, MySQL, Apache web server.

**Mobile Apps**

Android, IOS, Windows

**REQUIREMENTS**

1. Linux box.
2. Install LAMP Stack.
3. Install wurfl library.
4. Install java
5. Install tomcat.
6. Install FFMPEG
   1. Build from source; make sure you have the following codecs.

libx264, libfdk\_aac

1. Install Ice cast, Ices
   1. Build from source.
   2. Lot of dependencies, install with help of documentation provided in docs.
2. Get latest Wowza build with developer key.