**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.
3. Download geoIp database from maxmind.