

## Movian - Feature #2476

### Ability to play WebM, NSV and Ogg Theora video streams over icecast (icecast plugin)

01/09/2015 08:28 AM - Leonid Protasov

<b>Status:</b>	Accepted	<b>Start date:</b>	01/09/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Andreas Smas	<b>% Done:</b>	0%
<b>Category:</b>	Video playback	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	5.2		

#### Description

You can find those streams in Icecast plugin->Formats->WebM or Ogg Theora or NSV

ST can look at the Content-Type: video/webm

Content-Type: video/webm

but interesting question is how is should be with OGG Theora as by RFC3534 Content-Type: application/ogg could be presented for both audio and video streams so it needs additional probing. But by RFC5334 it is set explicitly as video/ogg and audio/ogg correspondingly.

Interesting thing is - ST already plays WebM and NSV direct links if you pase them via WebUI. But fails if you supply m3u link via icecast route. So changes could be minor.

#### WebM:

```
navigator [INFO ]: Opening icecast:formats
icecast [DEBUG]: Opening route ^icecast:formats
navigator [INFO ]: Opening icecast:filter:/by_format/WebM:WebM
icecast [DEBUG]: Opening route ^icecast:filter:(.):(.* )
icecast [DEBUG]: Page argument 1 : /by_format/WebM
icecast [DEBUG]: Page argument 2 : WebM
HTTP [DEBUG]: Connected to dir.xiph.org:80 (id=3)
HTTP [DEBUG]: > GET /by_format/WebM HTTP/1.1
HTTP [DEBUG]: > User-Agent: Showtime Linux/x86_64 4.9.46.g5134a.dirty
HTTP [DEBUG]: > Connection: keep-alive
HTTP [DEBUG]: > Accept: */*
HTTP [DEBUG]: > Accept-Encoding: identity
HTTP [DEBUG]: > Host: dir.xiph.org
HTTP [DEBUG]: http://dir.xiph.org/by_format/WebM: Response:
HTTP [DEBUG]: < HTTP/1.1 200 OK
HTTP [DEBUG]: < Date: Fri, 09 Jan 2015 07:14:31 GMT
HTTP [DEBUG]: < Server: Apache/2.2.16 (Debian)
HTTP [DEBUG]: < X-Powered-By: PHP/5.3.3-7+squeeze19
HTTP [DEBUG]: < Cache-Control: max-age=1800
HTTP [DEBUG]: < Expires: Fri, 09 Jan 2015 07:44:31 GMT
HTTP [DEBUG]: < Vary: Accept-Encoding
HTTP [DEBUG]: < Connection: close
HTTP [DEBUG]: < Transfer-Encoding: chunked
HTTP [DEBUG]: < Content-Type: text/html
HTTP [DEBUG]: <
HTTP [DEBUG]: Chunked transfer
HTTP [DEBUG]: Disconnected from dir.xiph.org:80 (id=3) Request destroyed
HTTP [DEBUG]: Disconnected from showtime.lonelycoder.com:80 (id=1) Keep alive expired
HTTP [DEBUG]: Connected to dir.xiph.org:80 (id=4)
```

HTTP [DEBUG]: > GET /listen/1027103/listen.m3u HTTP/1.1  
HTTP [DEBUG]: > Icy-MetaData: 1  
HTTP [DEBUG]: > User-Agent: Showtime Linux/x86\_64 4.9.46.g5134a.dirty  
HTTP [DEBUG]: > Connection: keep-alive  
HTTP [DEBUG]: > Accept: /\*/\*  
HTTP [DEBUG]: > Accept-Encoding: identity  
HTTP [DEBUG]: > Host: dir.xiph.org  
HTTP [DEBUG]: http://dir.xiph.org/listen/1027103/listen.m3u: Response:  
HTTP [DEBUG]: < HTTP/1.1 200 OK  
HTTP [DEBUG]: < Date: Fri, 09 Jan 2015 07:15:11 GMT  
HTTP [DEBUG]: < Server: Apache/2.2.16 (Debian)  
HTTP [DEBUG]: < X-Powered-By: PHP/5.3.3-7+squeeze19  
HTTP [DEBUG]: < Content-Disposition: inline; filename="listen.m3u"  
HTTP [DEBUG]: < Content-Length: 34  
HTTP [DEBUG]: < Connection: close  
HTTP [DEBUG]: < Content-Type: audio/x-mpegurl  
HTTP [DEBUG]: <  
HTTP [DEBUG]: Opened in streaming mode  
Radio [DEBUG]: http://dir.xiph.org/listen/1027103/listen.m3u content-type: audio/x-mpegurl  
HTTP [DEBUG]: Disconnected from dir.xiph.org:80 (id=4) Connection-mode = close  
Radio [DEBUG]: http://dir.xiph.org/listen/1027103/listen.m3u is an .m3u playlist according to content-type  
Radio [DEBUG]: http://dir.xiph.org/listen/1027103/listen.m3u guessed to be an m3u based on content  
HTTP [DEBUG]: Connected to g2.euer.tv:8000 (id=5)  
HTTP [DEBUG]: > GET /erde.webm HTTP/1.1  
HTTP [DEBUG]: > Icy-MetaData: 1  
HTTP [DEBUG]: > User-Agent: Showtime Linux/x86\_64 4.9.46.g5134a.dirty  
HTTP [DEBUG]: > Connection: keep-alive  
HTTP [DEBUG]: > Accept: /\*/\*  
HTTP [DEBUG]: > Accept-Encoding: identity  
HTTP [DEBUG]: > Host: g2.euer.tv:8000  
HTTP [DEBUG]: http://g2.euer.tv:8000/erde.webm: Response:  
HTTP [DEBUG]: < HTTP/1.0 200 OK  
HTTP [DEBUG]: < Server: Icecast 2.3.99.3-euerradio  
HTTP [DEBUG]: < Date: Fri, 09-Jan-2015 07:15:12 GMT  
HTTP [DEBUG]: < Content-Type: video/webm  
HTTP [DEBUG]: < Cache-Control: no-cache  
HTTP [DEBUG]: < Expires: Mon, 26 Jul 1997 05:00:00 GMT  
HTTP [DEBUG]: < Pragma: no-cache  
HTTP [DEBUG]: <  
HTTP [DEBUG]: Opened in streaming mode  
HTTP [DEBUG]: http://g2.euer.tv:8000/erde.webm: Refusing to seek to END on non-seekable file  
Radio [DEBUG]: Starting playback of http://g2.euer.tv:8000/erde.webm  
audio [DEBUG]: Codec changed to vorbis (0x15005)  
PA [DEBUG]: Context ready  
PA [DEBUG]: Created stream float32le 2ch 44100Hz [front-left,front-right] (tilesize=8184)  
Audio [DEBUG]: Converting from [stereo 44100Hz fltp] to [stereo 44100Hz flt]

NSV:

navigator [INFO ]: Opening icecast:filter:/by\_format/NSV:NSV  
icecast [DEBUG]: Opening route ^icecast:filter:(.):(.)

```

icecast [DEBUG]: Page argument 1 : /by_format/NSV
icecast [DEBUG]: Page argument 2 : NSV
HTTP [DEBUG]: Connected to dir.xiph.org:80 (id=6)
HTTP [DEBUG]: > GET /by_format/NSV HTTP/1.1
HTTP [DEBUG]: > User-Agent: Showtime Linux/x86_64 4.9.46.g5134a.dirty
HTTP [DEBUG]: > Connection: keep-alive
HTTP [DEBUG]: > Accept: */*
HTTP [DEBUG]: > Accept-Encoding: identity
HTTP [DEBUG]: > Host: dir.xiph.org
HTTP [DEBUG]: http://dir.xiph.org/by_format/NSV: Response:
HTTP [DEBUG]: < HTTP/1.1 200 OK
HTTP [DEBUG]: < Date: Fri, 09 Jan 2015 07:18:13 GMT
HTTP [DEBUG]: < Server: Apache/2.2.16 (Debian)
HTTP [DEBUG]: < X-Powered-By: PHP/5.3.3-7+squeeze19
HTTP [DEBUG]: < Cache-Control: max-age=1800
HTTP [DEBUG]: < Expires: Fri, 09 Jan 2015 07:48:13 GMT
HTTP [DEBUG]: < Vary: Accept-Encoding
HTTP [DEBUG]: < Connection: close
HTTP [DEBUG]: < Transfer-Encoding: chunked
HTTP [DEBUG]: < Content-Type: text/html
HTTP [DEBUG]: <
HTTP [DEBUG]: Chunked transfer
HTTP [DEBUG]: Disconnected from dir.xiph.org:80 (id=6) Request destroyed
HTTP [DEBUG]: Disconnected from g2.euer.tv:8000 (id=5) Request destroyed
HTTP [DEBUG]: Connected to dir.xiph.org:80 (id=7)
HTTP [DEBUG]: > GET /listen/985424/listen.m3u HTTP/1.1
HTTP [DEBUG]: > Icy-MetaData: 1
HTTP [DEBUG]: > User-Agent: Showtime Linux/x86_64 4.9.46.g5134a.dirty
HTTP [DEBUG]: > Connection: keep-alive
HTTP [DEBUG]: > Accept: */*
HTTP [DEBUG]: > Accept-Encoding: identity
HTTP [DEBUG]: > Host: dir.xiph.org
HTTP [DEBUG]: http://dir.xiph.org/listen/985424/listen.m3u: Response:
HTTP [DEBUG]: < HTTP/1.1 200 OK
HTTP [DEBUG]: < Date: Fri, 09 Jan 2015 07:18:23 GMT
HTTP [DEBUG]: < Server: Apache/2.2.16 (Debian)
HTTP [DEBUG]: < X-Powered-By: PHP/5.3.3-7+squeeze19
HTTP [DEBUG]: < Content-Disposition: inline; filename="listen.m3u"
HTTP [DEBUG]: < Content-Length: 76
HTTP [DEBUG]: < Connection: close
HTTP [DEBUG]: < Content-Type: audio/x-mpegurl
HTTP [DEBUG]: <
HTTP [DEBUG]: Opened in streaming mode
Radio [DEBUG]: http://dir.xiph.org/listen/985424/listen.m3u content-type: audio/x-mpegurl
HTTP [DEBUG]: Disconnected from dir.xiph.org:80 (id=7) Connection-mode = close
Radio [DEBUG]: http://dir.xiph.org/listen/985424/listen.m3u is an .m3u playlist according to content-type
Radio [DEBUG]: http://dir.xiph.org/listen/985424/listen.m3u guessed to be an m3u based on content
HTTP [DEBUG]: Connected to jay.krivanek.org:8000 (id=8)
HTTP [DEBUG]: > GET /mst3k.nsv HTTP/1.1
HTTP [DEBUG]: > Icy-MetaData: 1
HTTP [DEBUG]: > User-Agent: Showtime Linux/x86_64 4.9.46.g5134a.dirty
HTTP [DEBUG]: > Connection: keep-alive
HTTP [DEBUG]: > Accept: */*

```

HTTP [DEBUG]: > Accept-Encoding: identity  
HTTP [DEBUG]: > Host: jay.krivanek.org:8000  
HTTP [DEBUG]: http://jay.krivanek.org:8000/mst3k.nsv: Response:  
HTTP [DEBUG]: < ICY 200 OK  
HTTP [DEBUG]: < icy-notice1:<BR>This stream requires a media player  
HTTP [DEBUG]: < icy-notice2:Steamcast Distributed Network Media Server/1.0.0 decennium (Windows 64-bit)<BR>  
HTTP [DEBUG]: < icy-name:Mystery Science Theater 3000 - Powered by ShoutCheap.com  
HTTP [DEBUG]: < icy-genre:video  
HTTP [DEBUG]: < icy-url:http://www.shoutcheap.com  
HTTP [DEBUG]: < content-type:video/nsv  
HTTP [DEBUG]: < icy-pub:1  
HTTP [DEBUG]: < icy-br:128  
HTTP [DEBUG]: < icy-metaint:8192  
HTTP [DEBUG]: <  
HTTP [DEBUG]: Opened in streaming mode  
Radio [DEBUG]: Starting playback of http://jay.krivanek.org:8000/mst3k.nsv  
audio [DEBUG]: Codec changed to aac (0x15002)  
PA [DEBUG]: Created stream float32le 1ch 32000Hz [mono] (tilesize=16368)  
Audio [DEBUG]: Converting from [mono 32000Hz fltp] to [mono 32000Hz flt]

#### Ogg Theora:

navigator [INFO ]: Opening icecast:filter:/by\_format/Ogg\_Theora:Ogg Theora  
icecast [DEBUG]: Opening route ^icecast:filter:(.):(.\*  
icecast [DEBUG]: Page argument 1 : /by\_format/Ogg\_Theora  
icecast [DEBUG]: Page argument 2 : Ogg Theora  
HTTP [DEBUG]: Connected to dir.xiph.org:80 (id=9)  
HTTP [DEBUG]: > GET /by\_format/Ogg\_Theora HTTP/1.1  
HTTP [DEBUG]: > User-Agent: Showtime Linux/x86\_64 4.9.46.g5134a.dirty  
HTTP [DEBUG]: > Connection: keep-alive  
HTTP [DEBUG]: > Accept: /\*/\*  
HTTP [DEBUG]: > Accept-Encoding: identity  
HTTP [DEBUG]: > Host: dir.xiph.org  
HTTP [DEBUG]: http://dir.xiph.org/by\_format/Ogg\_Theora: Response:  
HTTP [DEBUG]: < HTTP/1.1 200 OK  
HTTP [DEBUG]: < Date: Fri, 09 Jan 2015 07:23:22 GMT  
HTTP [DEBUG]: < Server: Apache/2.2.16 (Debian)  
HTTP [DEBUG]: < X-Powered-By: PHP/5.3.3-7+squeeze19  
HTTP [DEBUG]: < Cache-Control: max-age=1800  
HTTP [DEBUG]: < Expires: Fri, 09 Jan 2015 07:53:22 GMT  
HTTP [DEBUG]: < Vary: Accept-Encoding  
HTTP [DEBUG]: < Connection: close  
HTTP [DEBUG]: < Transfer-Encoding: chunked  
HTTP [DEBUG]: < Content-Type: text/html  
HTTP [DEBUG]: <  
HTTP [DEBUG]: Chunked transfer  
HTTP [DEBUG]: Disconnected from dir.xiph.org:80 (id=9) Request destroyed  
Radio [ERROR]: Playback error: Operation not permitted (-1)  
HTTP [DEBUG]: Disconnected from jay.krivanek.org:8000 (id=8) Request destroyed  
HTTP [DEBUG]: Connected to dir.xiph.org:80 (id=10)  
HTTP [DEBUG]: > GET /listen/919922/listen.m3u HTTP/1.1

HTTP [DEBUG]: > Icy-MetaData: 1  
 HTTP [DEBUG]: > User-Agent: Showtime Linux/x86\_64 4.9.46.g5134a.dirty  
 HTTP [DEBUG]: > Connection: keep-alive  
 HTTP [DEBUG]: > Accept: /\*/\*  
 HTTP [DEBUG]: > Accept-Encoding: identity  
 HTTP [DEBUG]: > Host: dir.xiph.org  
 HTTP [DEBUG]: http://dir.xiph.org/listen/919922/listen.m3u: Response:  
 HTTP [DEBUG]: < HTTP/1.1 200 OK  
 HTTP [DEBUG]: < Date: Fri, 09 Jan 2015 07:23:24 GMT  
 HTTP [DEBUG]: < Server: Apache/2.2.16 (Debian)  
 HTTP [DEBUG]: < X-Powered-By: PHP/5.3.3-7+squeeze19  
 HTTP [DEBUG]: < Content-Disposition: inline; filename="listen.m3u"  
 HTTP [DEBUG]: < Content-Length: 35  
 HTTP [DEBUG]: < Connection: close  
 HTTP [DEBUG]: < Content-Type: audio/x-mpegurl  
 HTTP [DEBUG]: <  
 HTTP [DEBUG]: Opened in streaming mode  
 Radio [DEBUG]: http://dir.xiph.org/listen/919922/listen.m3u content-type: audio/x-mpegurl  
 HTTP [DEBUG]: Disconnected from dir.xiph.org:80 (id=10) Connection-mode = close  
 Radio [DEBUG]: http://dir.xiph.org/listen/919922/listen.m3u is an .m3u playlist according to content-type  
 Radio [DEBUG]: http://dir.xiph.org/listen/919922/listen.m3u guessed to be an m3u based on content  
 HTTP [DEBUG]: Connected to modulix.org:8000 (id=11)  
 HTTP [DEBUG]: > GET /libre.ogg HTTP/1.1  
 HTTP [DEBUG]: > Icy-MetaData: 1  
 HTTP [DEBUG]: > User-Agent: Showtime Linux/x86\_64 4.9.46.g5134a.dirty  
 HTTP [DEBUG]: > Connection: keep-alive  
 HTTP [DEBUG]: > Accept: /\*/\*  
 HTTP [DEBUG]: > Accept-Encoding: identity  
 HTTP [DEBUG]: > Host: modulix.org:8000  
 HTTP [DEBUG]: http://modulix.org:8000/libre.ogg: Response:  
 HTTP [DEBUG]: < HTTP/1.0 200 OK  
 HTTP [DEBUG]: < Content-Type: application/ogg  
 HTTP [DEBUG]: < icy-br:1152  
 HTTP [DEBUG]: < icy-audio-info: bitrate=1152;channels=2;samplerate=44100;quality=1%2e0  
 HTTP [DEBUG]: < icy-description:Diffusion en broadcast de toutes informations qui concernent le Logiciel Libre ainsi que des créations vidéo sous Licence Libre.  
 HTTP [DEBUG]: < icy-genre:WebTV, Libre, France, Bordeaux  
 HTTP [DEBUG]: < icy-name:WebTV - Télévision Libre  
 HTTP [DEBUG]: < icy-pub:1  
 HTTP [DEBUG]: < icy-url:http://modulix.org:8000/libre.ogg  
 HTTP [DEBUG]: < Server: icecast 2.3.3  
 HTTP [DEBUG]: < Cache-Control: no-cache  
 HTTP [DEBUG]: <  
 HTTP [DEBUG]: Opened in streaming mode  
 HTTP [DEBUG]: http://modulix.org:8000/libre.ogg: Refusing to seek to END on non-seekable file  
 HTTP [DEBUG]: http://modulix.org:8000/libre.ogg: Refusing to seek to END on non-seekable file  
 HTTP [DEBUG]: http://modulix.org:8000/libre.ogg: Refusing to seek to END on non-seekable file  
 Radio [DEBUG]: Starting playback of http://modulix.org:8000/libre.ogg  
 audio [DEBUG]: Codec changed to vorbis (0x15005)  
 PA [DEBUG]: Created stream float32le 2ch 44100Hz [front-left,front-right] (tilesize=8184)  
 Audio [DEBUG]: Converting from [stereo 44100Hz fltp] to [stereo 44100Hz flt]

**Related issues:**

Related to Bug # 2071: Live OGG video stream is probed forever

**Accepted****03/21/2014****History**

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**#1 - 01/09/2015 08:28 AM - Leonid Protasov**

- *Related to Bug #2071: Live OGG video stream is probed forever added*

**#2 - 01/09/2015 08:30 AM - Leonid Protasov**

I missed Content-Type: video/nsv

**#3 - 01/09/2015 02:12 PM - Andreas Smas**

- *Status changed from New to Need feedback*

If it plays ok without icecast: why do you add icecast: ?

icecast: is for radio (audio only) playback, trying to play video in there just won't work.

**#4 - 01/09/2015 02:44 PM - Leonid Protasov**

Those video icecasts are in m3u and to know that it is video - you need to know that it's content type is video (on the link request from m3u).

**#5 - 02/09/2015 10:08 PM - Andreas Smas**

- *Target version deleted (4.10)*

**#6 - 02/01/2018 06:53 PM - Leonid Protasov**

- *Status changed from Need feedback to Accepted*

- *Target version set to 5.2*