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## Creating the configuration file

It would be very wise to start off reading the sample configuration file below. It is self-documented with a lot of comments and it is a good starting point for beginners, since it contains various examples too. Also, refer to `man ffservice` and `ffservice -h` or download the archived documentation: [HTML](#) or [PDF](#). In general, the configuration file is consisted of global directives, list of feed elements, list of stream elements and a specification of a special status stream element, which is used to provide a way for you to view the status of all your running streams.

## Examples of configuration files

### Sample ffmpeg configuration file

```
# Port on which the server is listening. You must select a different
# port from your standard HTTP web server if it is running on the same
# computer.
Port 8090

# Address on which the server is bound. Only useful if you have
# several network interfaces.
BindAddress 0.0.0.0

# Number of simultaneous HTTP connections that can be handled. It has
# to be defined "before" the MaxClients parameter, since it defines the
# MaxClients maximum limit.
MaxHTTPConnections 200

# Number of simultaneous requests that can be handled. Since MaxServer
# is very high it is more likely that you will want to leave this high
# and use MaxSpareWorkers, below.
MaxClients 1000

# This is the maximum amount of kbit/sec that you are prepared to
# consume when streaming to clients
MaxBandwidth 1000

# Access log file (uses standard Apache log file format)
# '-' is the standard output.
CustomLog

# Suppress that if you want to launch FServer as a daemon.
NoDaemon
```

```
#####
# Definition of the live feeds. Each live feed contains one video
# and/or one audio stream coming from an ffmpeg encoder or another
# ffmpeg. This sequence may be encoded simultaneously with several
# codecs at several resolutions.

#Feed feed1.frm

# You must use "ffmpeg" to send a live feed to ffmpeg. In this
# example, you can type:
#
# ffmpeg http://localhost:8090/feed1.frm

# ffmpeg can also do time shifting. It means that it can stream any
# previously recorded live stream. The request should contain:
# http://localhost:8090/FFmpeg?GET[1][URL][URL]... "You must specify
# a path where the feed is stored on disk. You also specify the
# maximum duration of the feed, where zero means unlimited. Default:
#
# File/tmp/feed_name.frm?fileSize=Max
# File/tmp/feed.frm
# File/audio.x264

# You could specify
#
# ReadyOnly=yes /saved/specialvideo.frm
# This marks the file as readonly and it will not be deleted or updated

# Specify launch in order to start ffmpeg automatically.
#
# First ffmpeg must be defined with an appropriate path if needed,
# after the connections can follow, but avoid adding the http:// field
# launch ffmpeg

# Only allow connections from localhost to the feed.
#
# ACL allow 127.0.0.1

</code>
```

```
#####
Now you can define each stream which will be generated from the
original audio and video stream. Each format has a filename (here
"test1.mp3"). FFmpeg will send this stream when answering a
request containing this filename.

<Stream test1.mp3>

# coming from live feed 'feed1'
Feed feed1.frm

# Format of the stream : you can choose among:
#mpeg1 MPEG-1 multiplexed video and audio
#mpeg2only only MPEG-2 video
#mpeg2 audio : use AudioCodec to select layer 2 and 3 cod
#vorbis Vorbis audio codec
#ra RealNetworks-compatible stream. Multiplexed audio and vi
#ra RealNetworks-compatible stream. Audio only.
#mpeg2 Multiplex MPEG (works with Netarchive without any plugi
#jpeg Generate a single JPEG image.
#h264 H.264 compatible streaming (Windows Media Player format)
#avi MacroMedia Flash compatible stream
#avi AVI format (MPEG-4 video, MPEG audio sound)

Format mpeg4

# Configure the audio stream. Codecs usually support only a few
# different bitrates.
AudioBitRate 32

# Number of audio channels: 1 = mono, 2 = stereo
AudioChannels 1

# Sampling frequency for audio. When using low bitrates, you should
# lower this frequency to 22050 or 11025. The supported frequencies
# depend on the selected audio codec.
AudioSampleRate 44100

# Bitrate for the video stream
VideoBitRate 64

# Ratecontrol buffer size
VideoBufferSize 40

# Number of frames per second
VideoFrameRate 3

# Size of the video frame: WxH (default: 160x128)
# The following abbreviations are defined: eqiv, cif, cifr, acfr, eqvq
# sqga, vga, sqga, xga, uqga, sqga, sqga, sqga, haqga, wqga, wqga
# sqga, wqga, sqga, wqga, xqga, haqga, xqga, xqga, hd480, hd720,
# hd1080
VideoSize 160x128

# Transmit only intra frames (useful for low bitrates, but kills frame
#VideoIntraOnly

# If non-intra only, an intra frame is transmitted every VideoOpSize
# Video synchronization can only begin at an intra frame.
VideoOpSize 12

# Muxer MPEG-6 parameters
VideoH264Quality
VideoH264MotionVector

# Choose your codec:
AudioCodec mp3
AudioCodec vorbis
VideoCodec h264

# Suppress audio
#Audio0

# Suppress video
#Video0

#VideoQMIn 3
#VideoQMMax 31

# Set this to the number of seconds backwards in time to start. Note th
# most players will buffer 5-10 seconds of video, and also you need to
# For a keyframe to appear in the data stream.
#Perroll 15

# ACL:

# You can allow ranges of addresses (or single addresses)
#ACL ALLOW {first address}

# You can deny ranges of addresses (or single addresses)
#ACL DENY {first address}

# You can repeat the ACL allow/deny as often as you like. It is on a p
# stream basis. The first match defines the action. If there are no mat
# Then the default is the inverse of the last ACL statement.

# Thus "ACL allow localhost" only allows access from localhost.
# Thus "ACL deny 192.168.0.0-192.168.255.255" would deny the whole of network 1 and
# also everybody else.
```

```
#####
# Example streams

# Multipart JPEG

<Stream test.mjpg>
Ffeed feed1.frm
Fformat mpjpeg
Vvideoframerate 2
Vvideointraonly
H8kAudio
Hstrict -1
E</Stream>

# Single JPEG

<Stream test.jpg>
Ffeed feed1.frm
Fformat jpeg
Vvideoframerate 2
Vvideointraonly
H#V1:baseline 352x240
H8kAudio
Hstrict -1
E</Stream>

# Flash

<Stream test.swf>
Ffeed feed1.frm
Fformat swf
Vvideoframerate 2
Vvideointraonly
H8kAudio
E</Stream>

# ASF compatible

<Stream test.asf>
Feed feed1.frm
```

```
Format asf
VideoFrameRate 15
VideoSize 352x240
VideoBitRate 256
VideoBufferSize 40
VideoGopSize 30
AudioBitRate 64
StartSendOnKey
</Stream>

# MP3 audio
<Stream test.mp3>
#Feed feed1.ffm
#Format mp2
#AudioCodec mp3
#AudioBitRate 64
#AudioChannels 1
#AudioSampleRate 44100
#NoVideo
</Stream>

# Ogg Vorbis audio
<Stream test.ogg>
#Feed feed1.ffm
#Title "Stream title"
#AudioBitRate 64
#AudioChannels 2
#AudioSampleRate 44100
#NoVideo
</Stream>

# Real with audio only at 32 kbits
<Stream test.ra>
#Feed feed1.ffm
#Format rm
#AudioBitRate 32
#NoVideo
#NoAudio
</Stream>

# Real with audio and video at 64 kbits
<Stream test.rm>
#Feed feed1.ffm
#Format rm
#AudioBitRate 32
#VideoBitRate 128
#VideoFrameRate 25
#VideoGopSize 25
#NoAudio
</Stream>

#####
# A stream coming from a file: you only need to set the input
# filename and optionally a new format. Supported conversions:
#   AVI -> ASF
<Stream file.rm>
#File "/usr/local/httpd/htdocs/tlive.rm"
#NoAudio
</Stream>
<Stream file.asf>
#File "/usr/local/httpd/htdocs/test.asf"
#NoAudio
#Author "Me"
#Copyright "Super MegaCorp"
#Title "Test stream from disk"
#Comment "Test comment"
</Stream>

#####
# RTSP examples
#
# You can access this stream with the RTSP URL:
#   rtsp://localhost:554/test1-rtsp.mpg
#
# A non-standard RTSP redirector is also created. Its URL is:
#   http://localhost:8090/test1-rtsp.rtsp
<Stream test1-rtsp.mpg>
#Format rtp
#File "/usr/local/httpd/htdocs/test1.mpg"
</Stream>

# Transcode an incoming live feed to another live feed,
# using libx264 and video presets
<Stream live.h264>
#Format rtp
#Feed feed1.ffm
#VideoCodec libx264
#VideoFrameRate 24
#VideoBitRate 100
#VideoSize 480x272
#AVPresetVideo default
#AVPresetVideo baseline
#AVOptionVideo flags +global_header
#
#AudioCodec libfaac
#AudioBitRate 32
#AudioChannels 2
#AudioSampleRate 22050
#AVOptionAudio flags +global_header
</Stream>

#####
# SDP/multicast examples
#
# If you want to send your stream in multicast, you must set the
# multicast address with MulticastAddress. The port and the TTL can
# also be set.
#
# An SDP file is automatically generated by ffservr by adding the
# "sdp" extension to the stream name (here
# http://localhost:8090/test1-sdp.sdp). You should usually give this
# file to your player to play the stream.
#
# The "NoLoop" option can be used to avoid looping when the stream is
# terminated.
<Stream test1-sdp.mpg>
#Format rtp
#File "/usr/local/httpd/htdocs/test1.mpg"
#MulticastAddress 224.124.0.1
#MulticastPort 9000
#MulticastTTL 16
#NoLoop
</Stream>

#####
# Special streams
# Server status
<Stream stat.html>
Format status
# Only allow local people to get the status
ACL allow localhost
ACL allow 192.168.0.0 192.168.255.255
#FavIconURL http://pond1.gladstonefamily.net:8080/favicon.ico
</Stream>

# Redirect index.html to the appropriate site
<Redirect index.html>
URL http://www.ffmpeg.org/
</Redirect>
#####
```

#### Streaming H.264 video with AAC audio in FLV format

```
Port 8090
BindAddress 0.0.0.0
MaxHTTPConnections 2000
MaxClients 1000
MaxBandwidth 1000
CustomLog
#NoDaemon

<Feed feed1.ffm>
File /tmp/feed1.ffm
FileMaxSize 320K
ACL allow 127.0.0.1
</Feed>

# If you want to use mpegts format instead of flv
# then change "live.flv" to "live.ts"
# and also change "Format flv" to "Format mpegts"
<Stream live.flv>
Format flv
Feed feed1.ffm

VideoCodec libx264
VideoFrameRate 30
VideoBitRate 512
VideoSize 320x240
AVOptionVideo crf 23
AVOptionVideo preset medium
# for more info on crf/preset options, type: x264 --help
AVOptionVideo flags +global_header

AudioCodec aac
Strict -2
AudioBitRate 128
AudioChannels 2
AudioSampleRate 44100
AVOptionAudio flags +global_header
</Stream>

#####
# Special streams
#####
<Stream stat.html>
Format status
# Only allow local people to get the status
ACL allow localhost
ACL allow 192.168.0.0 192.168.255.255
</Stream>

# Redirect index.html to the appropriate site
<Redirect index.html>
URL http://www.ffmpeg.org/
</Redirect>
#####
```

#### Streaming Theora video with Vorbis audio in Ogg format

```
Port 8090
BindAddress 0.0.0.0
MaxHTTPConnections 2000
MaxClients 1000
```

```
MaxBandwidth 1000
CustomLog -
#NoDaemon

<Feed feed1.frm>
File /tmp/feed1.frm
FileMaxSize 200k
ACL allow 127.0.0.1
</Feed>

<Stream live.ogg>
Format ogg
Feed feed1.frm

VideoCodec libtheora
VideoFrameRate 24
VideoBitrate 512
VideoSize 320x240
VideoQMin 1
VideoQMax 31
VideoCopSize 12
Preset 1 0
AVOptionVideo flags +global_header

AudioCodec libvorbis
AudioBitRate 64
AudioChannels 2
AudioSampleRate 44100
AVOptionAudio flags +global_header
</Stream>

#####
# Special stream
#####
<Stream stat.html>
Format aCatus
# Only allow local people to get the status
ACL allow localhost
ACL allow 192.168.0.0 192.168.255.255
</Stream>

# Redirect index.html to the appropriate site
<Redirect index.html>
URL http://www.ffmpeg.org/
</Redirect>
#####
```

Last modified 38 ago

- Tags
- ffserver

附件 (4)

- ffserver\_map.png (86.7 KB) - added by bunc 108 ago.
  - ffserver.png (30.5 KB) - added by bunc 108 ago.
  - ffserver.html (55.0 KB) - added by Rogan 34 ago. "ffserver documentation from FFmpeg 3.4.5"
  - ffserver.pdf (162.7 KB) - added by Rogan 34 ago. "ffserver documentation from FFmpeg 3.4.5 (PDF)"
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