

**NAME**

`rygel.conf` – Rygel configuration file

**SYNOPSIS**

`$XDG_CONFIG_DIR/rygel.conf`  
`/etc/rygel.conf`

**DESCRIPTION**

**rygel** reads its configuration values from the file `$XDG_CONFIG_DIR/rygel.conf` or a file given on command line with the `--config` option. If that file does not exist it uses the file `/etc/rygel.conf`.

Most of the options may be overridden by commandline arguments or environment variables. See **rygel(1)** for details on those.

**GENERAL DIRECTIVES**

Lists in the configuration files are separated by a semicolon (;). Boolean values may be either **true** or **false**.

**interface=INTERFACE**

Semicolon separated list separated of the network interfaces rygel should listen on. May be an IP, an interface name or on Linux even the ESSID of a wireless network.

**port=PORT**

Set the listen-port.

**enable-transcoding**

Set to **true** to enable transcoding in general.

**log-level=DOMAIN:LEVEL[,DOMAIN:LEVEL,...]**

Comma-separated list of `DOMAIN:LEVEL` pairs, allowing to set the log level individually for each domain, where `DOMAIN` is either `"*"`, `"rygel"` or the name of a plugin. Allowed log levels are 1=error, 2=critical, 3=warning, 4=message/info, 5=debug. Note that on recent versions of GLib (>= 2.36) it is required to set the environment variable `G_MESSAGES_DEBUG` to **all** to get any debug output.

**plugin-path=PATH**

Set the plugin search path.

**engine-path=PATH**

Set the engine search path.

**media-engine=ENGINE**

Name of the loadable module to use as media engine back-end.

**allow-upload**

Allow uploading of media files via UPnP.

**allow-deletion**

Allow remote media file deletion via UPnP.

**video-upload-folder**

If **allow-upload** is **true**, use this folder to store uploaded videos. It defaults to `@VIDEOS@` which expands to the default directory for video files (usually `$HOME/Videos`).

**music-upload-folder**

If **allow-upload** is **true**, use this folder to store uploaded music files. It defaults to `@MUSIC@` which expands to the default directory for music files (usually `$HOME/Music`).

**picture-upload-folder**

If **allow-upload** is **true**, use this folder to store uploaded pictures. It defaults to `@PICTURES@` which expands to the default directory for picture files (usually `$HOME/Pictures`).

**force-downgrade-for**

Semicolon-separated list of device user-agents (or parts thereof) which need a forced downgrade to **MediaServer:1** and/or **ContentDirectory:1**.

**Warning**

Only use this parameter if you know what you're doing or are being told to do so; overriding the default value might cause incompatibilities. If you find that adding your device here enables its usage with Rygel, please [file an IOP bug](#)<sup>[1]</sup> so we can include it into the default configuration.

**acl-fallback-policy**

This is the default policy that is used if no access control provider is found on the D-Bus. Use **true** to allow access from every peer, **false** to deny all access. If it is not specified, the default fall-back policy is **true**.

**DATABASE SETTINGS**

The settings in the [Database] section are for the database support library.

**debug**

Set to **true** to show the SQL statements used.

**GSTREAMER MEDIA ENGINE SETTINGS**

The settings in the [GstMediaEngine] section are specific to the GStreamer media engine, which is the default media engine. See the media-engine setting. These following options are available for the [GStreamer](#)<sup>[2]</sup> media engine.

**transcoders**

A semicolon-separated list of the active transcoders. This setting has no effect if **enable-transcoding** is set to false. Possible values are: lpcm,mp3,mp2ts,aac,avc or wmv. Its default value is lpcm;mp3;mp2ts;aac;wmv.

**PLUGIN-SPECIFIC SETTINGS**

Sections for plugins are denoted with [**PluginName**] and can contain options specific to a plugin (see below) as well these common options:

**title=TITLE**

Title of the device implemented by this plugin. There are some variables which will be replaced by rygel. *@REALNAME@* will be substituted by the user's real name, *@USERNAME@* by the user's login id and *@HOSTNAME@* by the name of the machine rygel runs on.

**enabled**

You can individually enable or disable plugins by setting this to **true** or **false**.

**energy-management**

Set to **true** to if you would like the UPnP device to contain a EnergyManagement service. Not that additional configuration is required, see EnergyManagement settings.

**diagnostics**

Set to **true** if you would like the UPnP device to contain a BasicManagement:2 service that allows running tools like ping, nslookup and traceroute remotely.

**server-name**

A string that will be sent as the "Server:" header in a HTTP response.

**ENERGYMANAGEMENT SETTINGS**

The settings in [**EnergyManagement-IFACENAME**] sections specify the settings that relate to EnergyManagement services on this interface. Example: [**EnergyManagement-eth0**].

**mode-on-suspend**

The NetworkInterfaceMode that should be used when suspended. Default is "Unimplemented", other valid values are "IP-up-Periodic", "IP-down-no-Wake", "IP-down-with-WakeOn", "IP-down-with-WakeAuto", "IP-down-with-WakeOnAuto".

**supported-transport**

Optional WakeSupportedTransport that the service should advertise. Valid values are "UDP-Broadcast", "UDP-Unicast", "TCP-Unicast", "Other".

**password**

Optional hexadecimal password that will be used to build the WakeOnPattern.

## TRACKER PLUGIN

The tracker plugin uses the centralized database of meta information from the tracker project. See the [tracker project website](#)<sup>[3]</sup> for more information about tracker.

### share-pictures

Enable or disable sharing of all pictures in the Tracker database.

### share-videos

Enable or disable sharing of all videos in the Tracker database.

### share-music

Enable or disable sharing of all music in the Tracker database.

## MEDIAEXPORT PLUGIN

The MediaExport plugin is an alternative to the tracker-backed media export. It extracts meta-data by itself and stores it in a [SQLite](#)<sup>[4]</sup> database in `$XDG_CACHE_DIR/rygel/media-export.db` on UNIX platforms.

### Note

If both plugins, Tracker as well as MediaExport are enabled, MediaExport will disable itself in favour of the Tracker plugin.

There are several options supported by this plugin:

### uris

A list of URIS to expose via UPnP. May be files, folders or anything supported by GVFS. If left empty it defaults to export the user's music, video and picture folders as defined per XDG special user directories spec. These default folders can be referenced by `@MUSIC@`, `@PICTURES@` and `@VIDEOS@`. Locations can be entered as either fully escaped URIS or normal paths.

### Note

If you enter a normal path that contains whitespace there is no need to escape them with either a backslash or putting the string in quotes.

### Note

It is strongly advised against using an exported folder as a target for downloads when `extract-metadata` is enabled. Rygel will most likely blacklist the files then because they will fail to extract.

### Example 1. Possible values for uris

```
uris=@MUSIC@;/home/user/My Pictures;file:///home/user/My%20Videos
```

### extract-metadata

Set to `false` if you do not care about duration or any other meta-data like artist. This speeds up the initial crawl of the media a lot. Use it to quickly share some files via UPnP. Make sure to define an `include-filter`, otherwise you will end up with a lot of files exposed which the client cannot display anyway.

### monitor-changes

Set to `false` if you don't want to have new files picked up automatically by rygel.

### monitor-grace-timeout

Time in seconds to wait after a new file has been detected before trying to extract meta-data from it. Useful if you're downloading to a directory watched by rygel. Default is 5 seconds.

### virtual-folders

Set to `false` if you don't need the virtual folder hierarchy.

## PLAYBIN PLUGIN

The Playbin plugin implements a media renderer (Digital Media Renderer, DMR in DLNA terms). This plugin was known as GstRenderer.

It is highly recommended to leave the sink choice to playbin. If, however, the default choices don't work for you they can be reconfigured as follows

**audio-sink**

Definition of the audio sink to use. Can be a single element or a partial pipeline definition in `gst-launch`'s syntax

**video-sink**

Definition of the video sink to use. Can be a single element or a partial pipeline definition in `gst-launch`'s syntax

## LIGHTMEDIASCANNER PLUGIN

The LightMediaScanner plugin exports the contents of the [lightmediascanner daemon](#)<sup>[5]</sup>

This plugin does not have any special options.

## GSTLAUNCH PLUGIN

The GstLaunch plugin allows to expose GStreamer pipelines using the same syntax as the `gst-launch` utility. You can configure several items in this plugins.

**launch-items**

A list of identifiers for the pipelines to be exposed.

**identifier-title**

Title of the device represented by this pipeline. Identifier is the identifier as set in `launch-items`

**identifier-mime**

Mime-type of the pipeline.

**identifier-launch**

Definition of the pipeline in `gst-launch` syntax. For some examples on writing pipelines see `gst-launch(1)`.

**identifier-dlnaprofile**

DLNA profile for the stream.

An example configuration is available in the distributed configuration file `/etc/rygel.conf`.

## EXTERNAL

The External plugin is a consumer of the [MediaServer2 Dbus interface specification](#)<sup>[6]</sup>. This allows external programs to share their data via UPnP by implementing this Dbus specification. The plugin picks up any implementation of this interface on the session bus and exposes the presented media via UPnP. Known implementors of this spec are [gnome-dvb-daemon](#)<sup>[7]</sup>, [Rhythmbox](#)<sup>[8]</sup> and [Grilo](#)<sup>[9]</sup> via the `grilo-ms2` project.

You can disable the whole functionality by setting `enabled=false` in the `[External]` section of the configuration file.

Individual peers may be enabled or disabled by creating sections corresponding to the D-Bus names of the peer:

```
[org.gnome.UPnP.MediaServer2.Rhythmbox]
enabled=false
```

This plugin has no additional options.

## MPRIS

The MPRIS plugin is a consumer of the [MPRIS2 Dbus interface specification](#)<sup>[10]</sup>. The implementation conforms to version 2.0 of the standard.

rygel exposes media players that implement the provider side of this Dbus specification as DLNA Digital Media Renderers (DMR) similar to the Playbin plugin. This means that you can easily turn your media player into a DMR by implementing this Dbus specification.

Players that implement this spec and are known to work with rygel are [Banshee](#)<sup>[11]</sup>, [Rhythmbox](#)<sup>[8]</sup> and

**GNOME Videos (previously known as Totem)**<sup>[12]</sup>

You can disable the whole functionality by setting **enabled=false** in the **[MRPIS]** section of the configuration file.

The configuration of this plugin is special. Plugin configuration is not done on the plugin but rather per peer that is found providing the MPRIS2 interface. See the following example to set the title for Banshee on MPRIS:

```
[org.mpris.MediaPlayer2.banshee]
title=@REALNAME@'s Banshee on @HOSTNAME@
```

This plugin has no additional options.

**SEE ALSO**

**rygel(1)**, **gst-launch(1)**

**AUTHOR**

**Jens Georg** <mail@jensge.org>  
Wrote this manpage.

**NOTES**

1. file an IOP bug  
[https://gitlab.gnome.org/GNOME/rygel/issues/new/?issuable\\_template=IOP](https://gitlab.gnome.org/GNOME/rygel/issues/new/?issuable_template=IOP)
2. GStreamer  
<http://gstreamer.freedesktop.org>
3. tracker project website  
<https://wiki.gnome.org/Projects/Tracker>
4. SQLite  
<http://sqlite.org>
5. lightmediascanner daemon  
<https://github.com/profusion/lightmediascanner>
6. MediaServer2 Dbus interface specification  
<https://wiki.gnome.org/Projects/Rygel/MediaServer2Spec>
7. gnome-dvb-daemon  
<https://wiki.gnome.org/Projects/DVBDAemon>
8. Rhythmbox  
<http://www.rhythmbox.org>
9. Grilo  
<https://wiki.gnome.org/Projects/Grilo>
10. MPRIS2 Dbus interface specification  
<https://specifications.freedesktop.org/mpris-spec/latest/>
11. Banshee  
<http://banshee.fm>
12. GNOME Videos (previously known as Totem)  
<https://wiki.gnome.org/Apps/Videos>