



# GRILO

## Integrating multimedia content in applications

```
static void  
properties(GObjectClass  
*gobject_class)  
{  
    GObjectClass *gclass = G_OBJECT_CLASS(gobject_class);  
    gclass->spec = pspec;
```

```
    attribute */  
    guint64  
    CODE,  
    "code",  
    "code",  
    0,  
    64,  
    /*  
    /,  
    E
```

Embedded Linux Conference Europe  
Cambridge, October 2010

Iago Toral Quiroga  
[itoral@igalia.com](mailto:itoral@igalia.com)



# Index

- Media Integration
- Overview of Grilo
- Demo
- Grilo for application developers
- Grilo for backend developers

# Media Integration

# Media Integration: services



# Media Integration: hardware



# Media Integration: Present

- What are the challenges?
  - Homogeneous, integrated user experience.
  - Easy to use.
  - Service scalability.
  - Decrease development and maintenance effort.



# Media Integration: Present

- What are the problems?
  - Lots of heterogeneous services.
  - Lots of APIs and protocols.
  - Lots of technologies.



# Media Integration: Present

- What are we doing now?
  - Individual makers developing in-house solutions.
  - Not efficient.
  - Slow development.
  - Not scalable.
  - Expensive maintenance.





# Media Integration: Future

- What can we do about this?
  - Platform level solution for accessing media content.
  - Stop reinventing the wheel, start reusing code.
  - A place where interested actors can collaborate.



# Media Integration: Future

- What are the benefits?
  - Reduce and share maintenance effort.
  - Focus on added value.
  - Faster development.
  - Scalability.

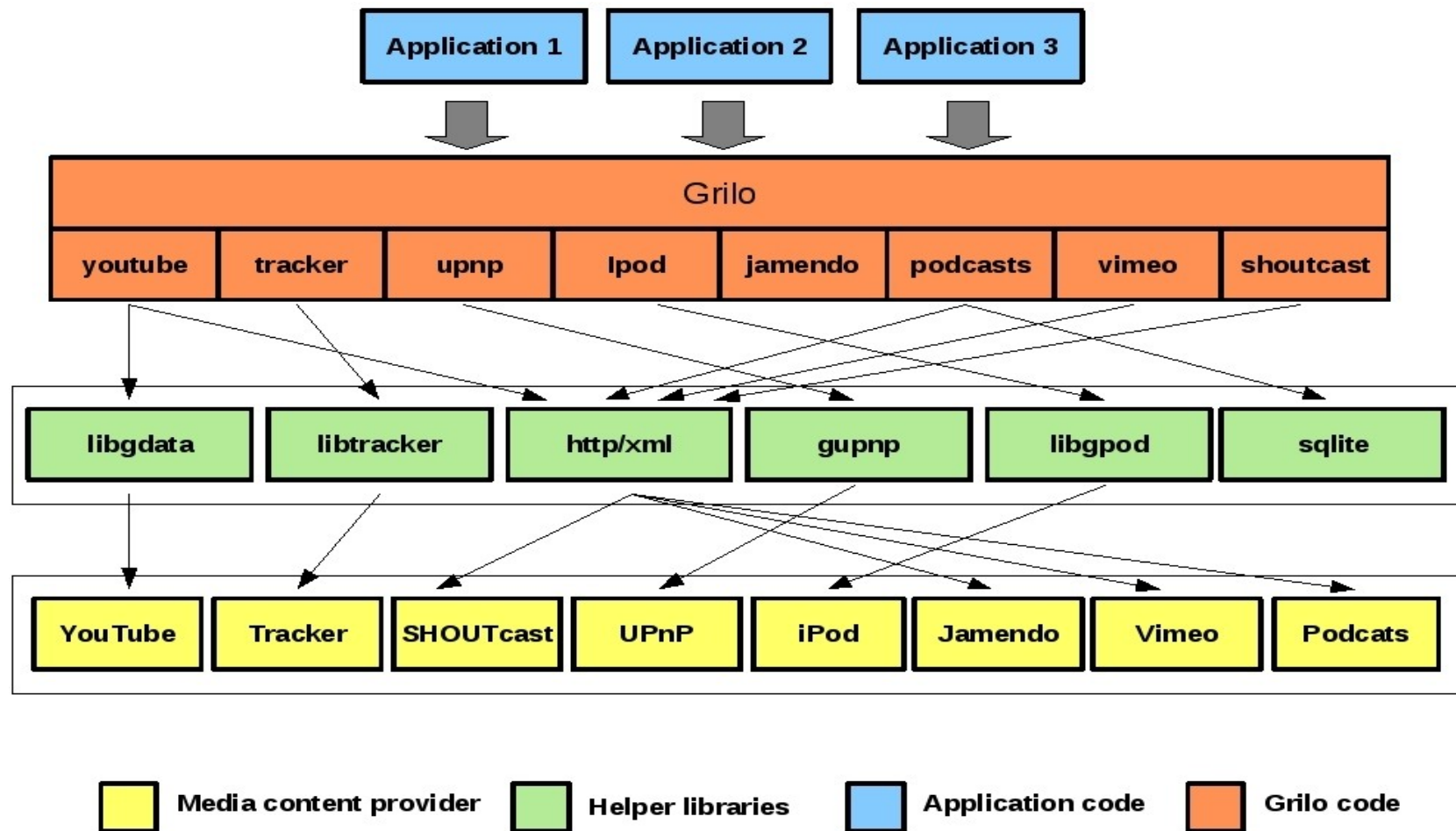


# Grilo: Overview

# Grilo: Overview

- A framework for easing access to multimedia content.
- Application developers want to browse / search content from many services...
- ...but they don't want to know how they work internally (APIs, protocols, technologies, limitations, ...)
- Single API to access media content, hiding differences among media providers.
- Application developers write their solution once and it will work for any service supported in Grilo.

# Grilo: Overview



**Demo**

**Grilo for application developers**

Grilo for plugin developers



# Resources

- Wiki:
  - <http://live.gnome.org/Grilo>
- Git repositories:
  - <git://git.gnome.org/grilo>
  - <git://git.gnome.org/grilo-plugins>
- IRC:
  - grilo @ GIMPNet
- Mailing list:
  - <http://mail.gnome.org/mailman/listinfo/grilo-list>
- Bugzilla:
  - <http://bugzilla.gnome.org>
    - Category: Other, Product: grilo

# Image Credits

- **Easy button:** *Jason Gulledge*, [www.flickr.com](http://www.flickr.com)
  - <http://www.flickr.com/photos/ramdac/373881476>
- **Dead end:** *AJC1*, [www.flickr.com](http://www.flickr.com)
  - <http://www.flickr.com/photos/ajc1/3019611194>
- **Collaboration:** *thinkpublic*, [www.flickr.com](http://www.flickr.com)
  - <http://www.flickr.com/photos/thinkpublic/3042777307/sizes/m/in/photostream>
- **Headache:** [www.freeclipartnow.com](http://www.freeclipartnow.com)
  - <http://www.freeclipartnow.com/science/medicine/people/headache.jpg.html>
- **Thumbs up:** *Stefano Valle*, [www.freedigitalphotos.net](http://www.freedigitalphotos.net)
  - [http://www.freedigitalphotos.net/images/Gestures\\_g185-Two\\_Hands\\_Thumbs\\_Up\\_p20593.html](http://www.freedigitalphotos.net/images/Gestures_g185-Two_Hands_Thumbs_Up_p20593.html)



?



igalia