ossbarcamp – September 19th – Dublin, Ireland

GNOME 3.0

from 10,000 feet

Jan Schmidt - thaytan@noraisin.net
(and the GNOME community)

TM

Credit

(And others)

Background

GNOME 2.0

Feb 2002

6 monthly release cycle begins

Release Schedule

- February 15th 2002 – GNOME 2.0

… time passes …

- March 18th 2009 – GNOME 2.26
- September 23rd 2009 – GNOME 2.28
- March 31st 2010 – GNOME 2.30

http://live.gnome.org/TwoPointTwentyseven/

GUADEC July 2008, Istanbul:

GNOME 2.30 = GNOME 3.0

Goals

Platform Cleanup

- Remove deprecated API and library use
  - Bonobo/Orbit, Libgnome, Libgnomeui, LibGlade, LibGnomeCanvas, LibArtLgpl, LibGnomeVfs, LibGnomePrint, Esound
- Prepare for GTK+3
- GObject Introspection
- Why?
  - Size
  - Easier development

Migration

- Bonobo ➔ D-Bus
- Xulrunner ➔ WebKit
- Hal ➔ DeviceKit
- Glade ➔ GtkBuilder

Status

http://live.gnome.org/AndreKlapper/GCDS3

Accessibility

Accessibility

Bonobo → D-Bus

at-spi, gnome-mag, gnome-speech

Xulrunner → WebKit

WebKit Accessibility

HFOSS projects (hfoss.org)

VizAudio

MouseTrap

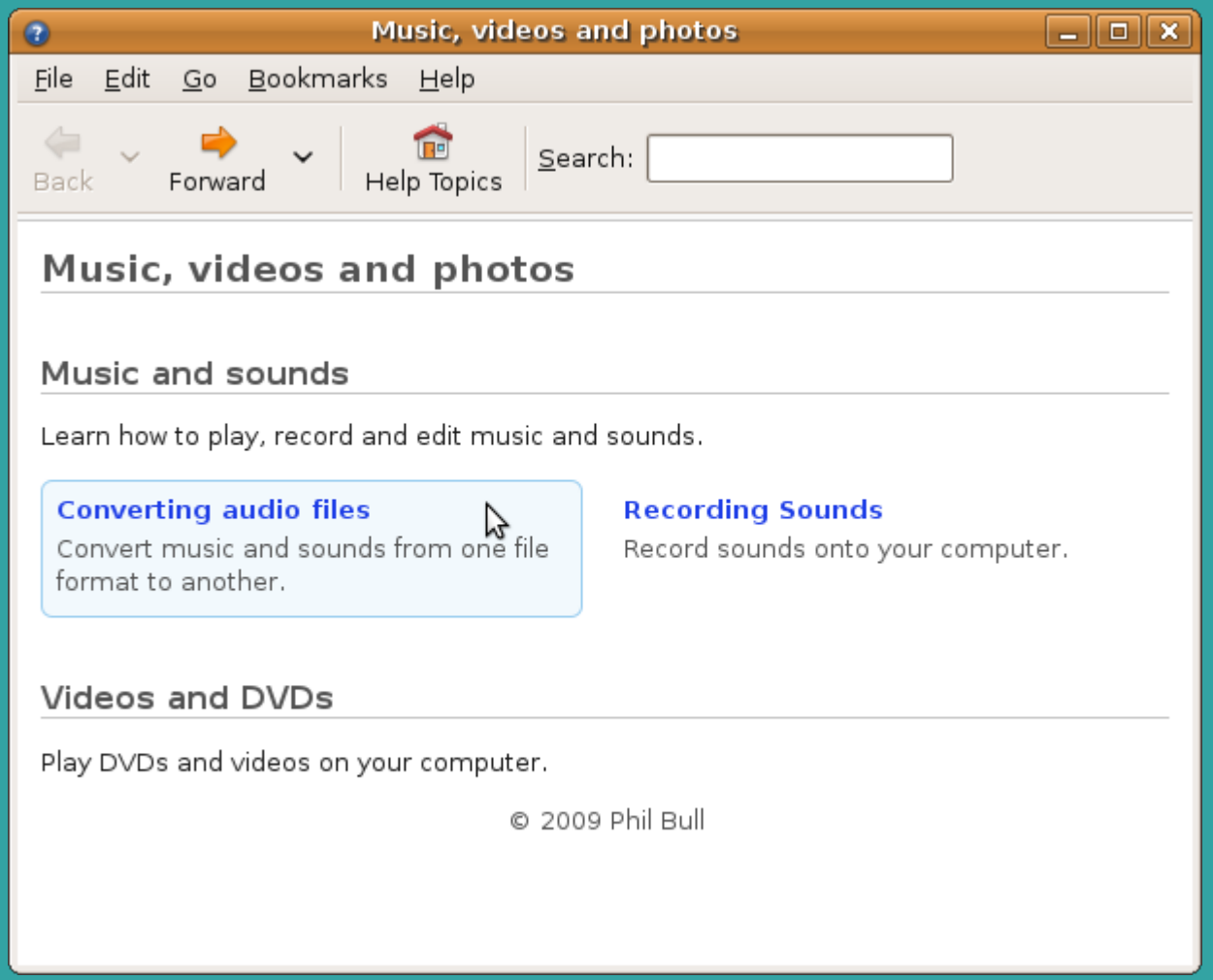
Documentation

Documentation

Mallard

http://live.gnome.org/ProjectMallard

Documentation



Artwork

Artwork

- Cleaner appearance
- Better layout
- Updated look

Artwork

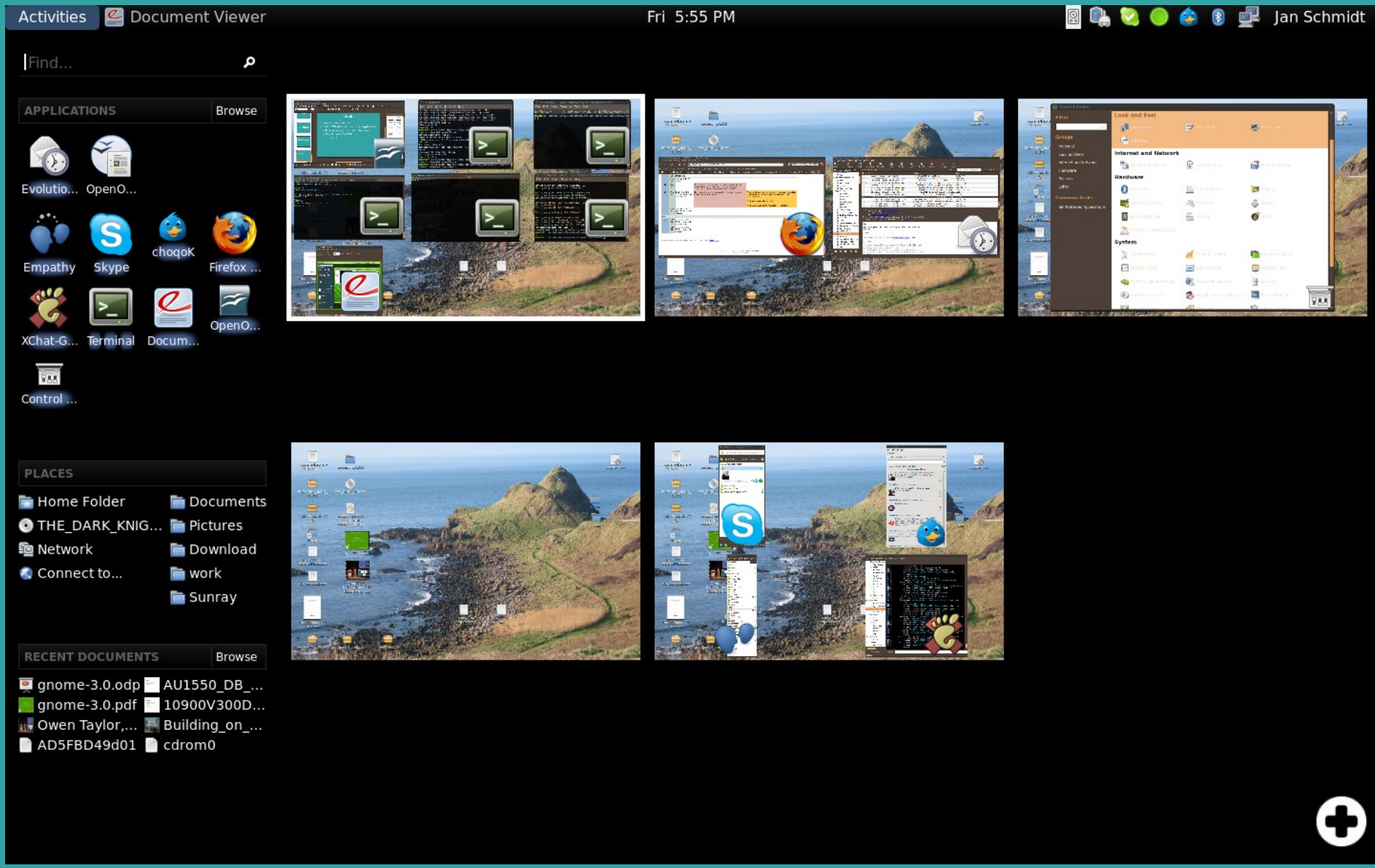
- Refresh gnome-icon-theme
- New default widget theme
- New backgrounds
- Refreshed look for the website

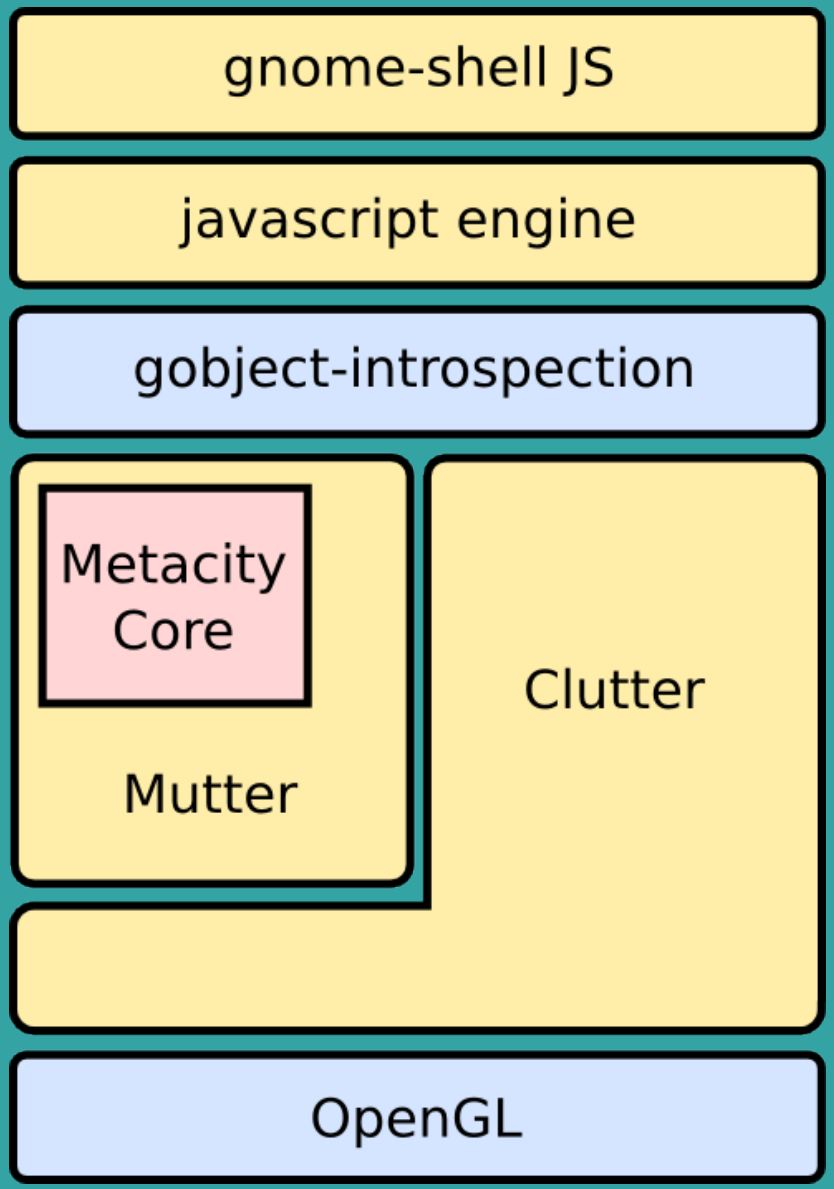
Website
&
Marketing

GNOME Shell

Goals

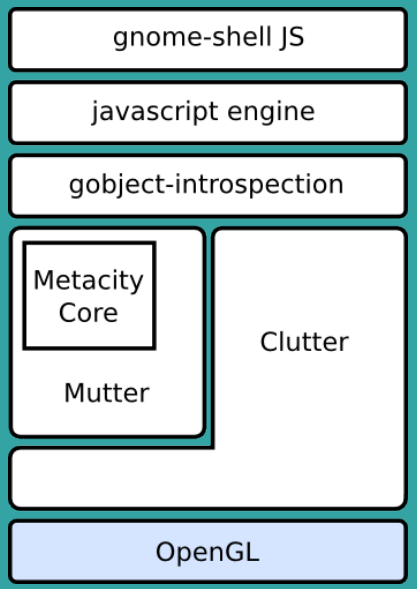
- Re-think user interaction
- GNOME Panel flexibility a double-edged sword
  - Projectors/multiple monitors/reconfiguration
- Make the “panel” smarter
- Focus the UI


Activities
Document Viewer
Fri 5:55 PM
Jan Schmidt
Find...
APPLICATIONS
Browse
Evolutio...
OpenO...
Empathy
Skype
choqoK
Firefox ...
XChat-G...
Terminal
Docum...
OpenO...
Control ...
PLACES
Home Folder
THE_DARK_KNIG...
Network
Connect to...
Documents
Pictures
Download
work
Sunray
RECENT DOCUMENTS
Browse
gnome-3.0.odp
gnome-3.0.pdf
Owen Taylor,...
AD5FBD49d01
AU1550_DB_...
10900V300D...
Building_on_...
cdrom0


gnome-shell JS
javascript engine
gobject-introspection
Metacity
Core
Mutter
Clutter
OpenGL

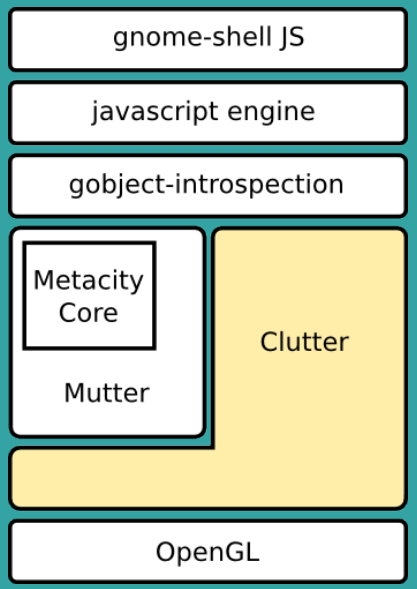
OpenGL

- Hardware acceleration
- Scaling, alpha-blending, etc



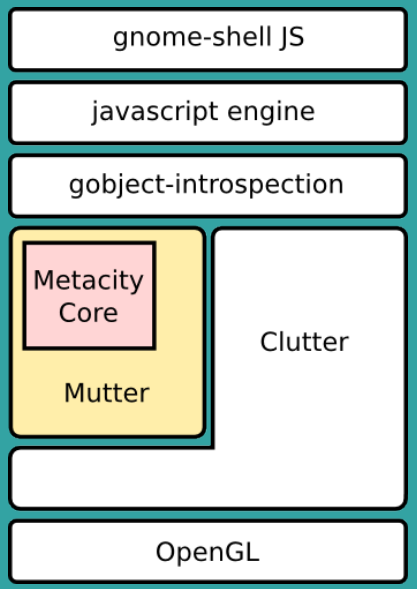
Clutter

- OpenGL scene graph
- Animations



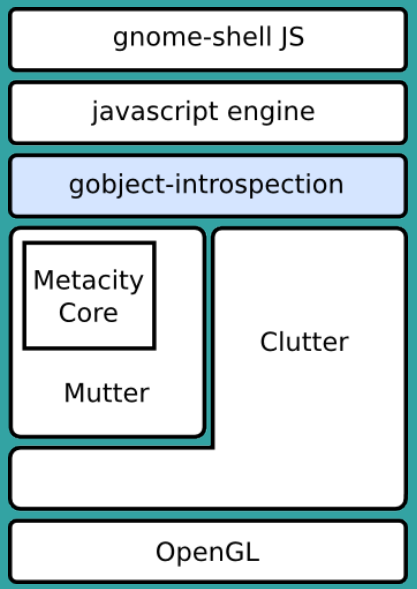
Mutter

- Clutter based compositing manager
- Window management logic extracted from Metacity



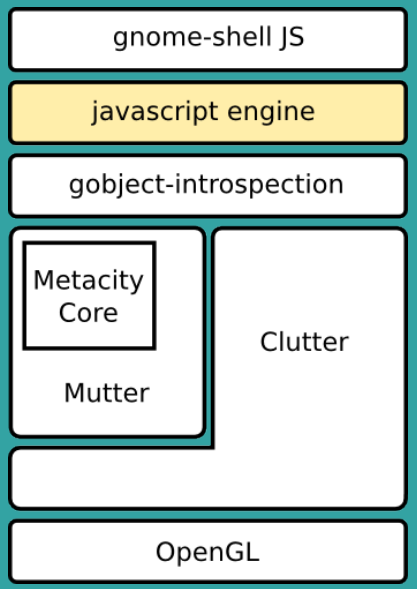
GObject introspection

- Static descriptions of libraries
- Remove the need to manually generate bindings



Javascript

- Experimentation friendly
- Familiar / accessible
- No big standard library
  - GNOME platform is the library
- Sandboxed extensions?



Zeitgeist

Zeitgeist

Automatic activity journal

Goals

- Show Documents used in any given time period
- Bookmark and Tag Documents
- Search activities by tags, etc.
- Get most used Documents, Tags, Event types, Applications and websites

Demo

Get Involved

IRC: gimpnet.org #gnome3
http://live.gnome.org/GnomeShell
http://live.gnome.org/Zeitgeist

GNOME 3.0