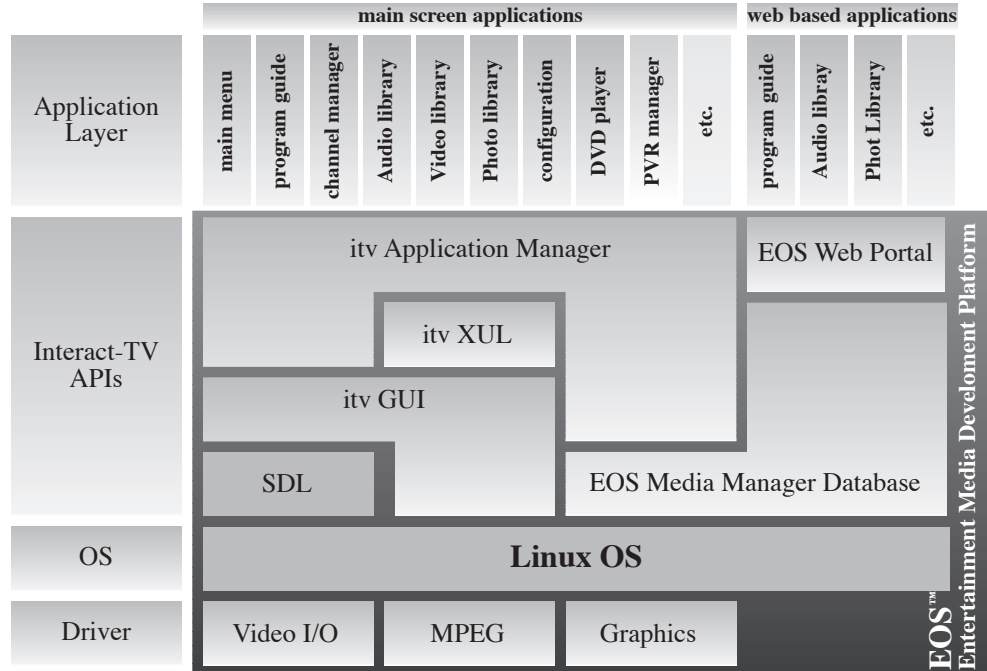




Interact-TV's EOS: Entertainment Media Development Platform Architecture Overview

- ▶ Interact-TV's vision is to offer OEMs and developers a complete digital entertainment platform that delivers a robust and scalable infrastructure for the next generation of digital entertainment devices.
 - ▶ EOS combines home networking and broadband access to the Internet with the ability to easily manage and store digital media content. The EOS platform is designed to provide a user experience that makes managing digital media easy by focusing on a user interface designed to be a part of the home entertainment center.
 - ▶ EOS provides a user interface that uses standard IR remote controls that support pointing technologies to make navigating the menu system easy and fast. EOS has been designed to display on a television and to be used from the couch in a "lean back" manner.
 - ▶ EOS is using proprietary media management and media distribution technology developed by the team at Interact-TV to allow digital media to be accessed and updated from multiple devices in the home. Other televisions connected to Telly boxes, the PC in the den or any web connected device can all access the digital media content simultaneously.
 - ▶ EOS is designed to run on a variety of hardware platforms. In addition, EOS has been designed to integrate graphics, video processing and compression/decompression hardware from a variety of vendors. Interact-TV has been working with hardware companies designing high performance/low cost solutions that leverage the PC hardware platform to provide an unparalleled experience at lower price points.
- EOS is built on the Linux™ Operating System. Interact-TV developed EOS with a focus on the user experience, media management and distribution, and on control and discovery on the home network. EOS also uses standard protocols such as HTML, XML, Macromedia Flash™, UPnP, RTSP, TCP/IP and SQL.



EOS Architecture is the underlying power behind Telly Home Entertainment Servers and provides extensible APIs to develop a wide range of entertainment applications





▶ EOS APIs

ItvGUI: User Interface and Media Management designed to support entertainment based applications. UI Widgets, Flash 4/5, MPEG Video, Audio, Graphics, TrueType fonts, event management, remote control interface. It integrates all of the various media types to generate compelling user interfaces.

ItvXUL: XML based language for describing the user interface and provides for OEM branding and internationalization.

EOS Media Manager: Integrated database with media management support. SQL syntax, multiple connections for concurrent updates and management. Targeted at supporting a multi-user, multi-unit solution for the home.

ItvAppMgr: Application management including the application database, starting/stopping of applications, resource management and integration with the window manager (if the platform supports a window management system).

▶ Additional APIs

SDL (Simple Direct Media Layer): Provides a portable, flexible and powerful surface compositing API (Application Programming Interface). SDL is supported under Linux and various Windows™ operating systems. SDL also provides support for OpenGL.

▶ Telly Main Screen Applications

Main Menu: Controlling application that provides the user interface for the ItvAppMgr and the basic features in the Telly menuing system.

Program Guide: User interface to program guide by time, favorite channels, genre, and user searches.

Channel Manager: Television tuning control, volume control, PVR features and enhanced television support through the program guide.

Audio Library: Complete digital audio storage and management system, including internet radio, fm tuner control, media management, access to CDDDB and other content such as cover art and liner notes. CD ripping, CD burning, access to outside DRM solutions.

Video Library: Complete digital video storage and management system. Interfaces to PVR in order to catalog, store and management recorded programs. Can add any MPEG1, MPEG2 video content to the database. CDR archiving interface, disk drive storage management. Persistent content management.

Photo Library: Complete digital photo storage and management system. Manage photo content to the database. Organize and present photo slide shows on your TV.

Telly Setup & Configuration: User interfaces for system setup, network setup, adding additional users, audio and video configuration.

Enhanced Television Apps: Weather, news, financial, sports information at a glance, anytime you want. Content partnerships and sponsoring expected with these applications.

▶ Telly Network Portal Applications

Program Guide: Access your program guide via any internet connected device using standard browsers. Also access extended information about programs, control your TV from pages designed for portable devices such as web pads.

Library Access: Access your audio, video, and photo libraries anywhere on the home network. Edit photos, stream your music, organize your videos and more from web pages.

File System Access: Mount your Telly audio and video library upload points to provide a simple way to

Interact-TV licenses EOS on a volume basis to OEMs, please contact us for a quotation.

EOS is available to developers, please contact us for additional information

