

EPG SERVER **EPG VS**

DVB STANDARD

► **Adaptable to different environments and needs**

► **Own and scalable development**

USER INTERFACE

INSTANCE / NETWORK

AVAILABLE TRANSPORTS BASED ON NETWORK

AVAILABLE SERVICES BASED ON TRANSPORT

CURRENT EVENTS BASED ON SERVICE

SERVICIOS

Servicio ID	Canal Lógico	Nombre Transporte	Nombre Servicio	Proveedor	Tipo Servicio	Scrambling	Tipo Componente	EIT P/F	EIT Schedule
54	54	Transponder 9	ESPN +		[0x01] Digital Television	<input checked="" type="checkbox"/>	[0x00] Sin definir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
56	56	Transponder 9	ESPN +		[0x01] Digital Television	<input checked="" type="checkbox"/>	[0x00] Sin definir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
142	142	Transponder 9	HBO		[0x01] Digital Television	<input checked="" type="checkbox"/>	[0x00] Sin definir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
150	150	Transponder 9	CINEMAX		[0x01] Digital Television	<input checked="" type="checkbox"/>	[0x00] Sin definir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
158	158	Transponder 9	HBO 2		[0x01] Digital Television	<input checked="" type="checkbox"/>	[0x00] Sin definir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
162	162	Transponder 9	HBO FAMILY		[0x01] Digital Television	<input checked="" type="checkbox"/>	[0x00] Sin definir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
163	163	Transponder 9	HBO SIGNATURE		[0x01] Digital Television	<input checked="" type="checkbox"/>	[0x00] Sin definir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
164	164	Transponder 9	MAXPRIME ESTE		[0x01] Digital Television	<input checked="" type="checkbox"/>	[0x00] Sin definir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

EVENTOS

Fecha Comienzo	Hora Comienzo	Duración	Nombre Evento	Descripción	Scrambling	Tipo Componente	Tipo Contenido	Parental Rating
9/9/2015	12:00:00 AM	01:10:00	El Hapnotizador / T.T.E.	Nana la historia de Arenas...	<input type="checkbox"/>	[0x00] Sin definir	[0x11] detective/thriller	Sin definir
9/9/2015	1:10:00 AM	01:35:00	La Coloma	En un futuro alrededor del a...	<input type="checkbox"/>	[0x00] Sin definir	[0x13] science fiction	Sin definir
9/9/2015	2:45:00 AM	01:45:00	El forastero	El millar británico Lex Walk...	<input type="checkbox"/>	[0x00] Sin definir	[0x10] movie/drama	Sin definir
9/9/2015	4:30:00 AM	01:45:00	Stockholm, Pennsylv...	Una joven mujer que fue cat...	<input type="checkbox"/>	[0x00] Sin definir	[0x11] detective/thriller	Sin definir
9/9/2015	6:15:00 AM	02:00:00	El quinteto de la muerte	Un profesor chafalán reúne...	<input type="checkbox"/>	[0x00] Sin definir	[0x14] comedy	+16 años
9/9/2015	8:15:00 AM	02:20:00	El último gran héroe	Un adolescente vive situaci...	<input type="checkbox"/>	[0x00] Sin definir	[0x10] movie/drama	+13 años
9/9/2015	10:35:00 AM	01:37:00	Dragon Ball Z: la bata...	Blis, el dios de la destrucció...	<input type="checkbox"/>	[0x00] Sin definir	[0x13] science fiction	+13 años
9/9/2015	12:12:00 PM	02:01:00	10.000 A.C.	D'Leh se embarca en una tr...	<input type="checkbox"/>	[0x00] Sin definir	[0x12] adventure/we...	+16 años
9/9/2015	2:13:00 PM	01:49:00	La próxima generación	Un joven de 14 años está o...	<input type="checkbox"/>	[0x00] Sin definir	[0x13] science fiction	+17 años
9/9/2015	4:02:00 PM	02:20:00	El plan perfecto	Durante un asalto a un ban...	<input type="checkbox"/>	[0x00] Sin definir	[0x11] detective/thriller	+17 años
9/9/2015	6:22:00 PM	01:38:00	Lucy	Sigue los pasos de una muj...	<input type="checkbox"/>	[0x00] Sin definir	[0x10] movie/drama	+16 años
9/9/2015	8:00:00 PM	01:00:00	Masters of Sex / T3...	Johnson se aleja de Dan Lo...	<input type="checkbox"/>	[0x00] Sin definir	[0x11] detective/thriller	+18 años
9/9/2015	9:00:00 PM	01:00:00	Show Me a Hero	Un nuevo alcalde se compr...	<input type="checkbox"/>	[0x00] Sin definir	[0x54] informational/e...	Sin definir
9/9/2015	10:00:00 PM	02:00:00	Una loca entrevista	Dave Skylark y Aaron Rapo...	<input type="checkbox"/>	[0x00] Sin definir	[0x14] comedy	+17 años
9/10/2015	12:00:00 AM	02:00:00	Pueblo chico, pistola...	Después de que Abbet se e...	<input type="checkbox"/>	[0x00] Sin definir	[0x14] comedy	+17 años

HEADEND

DATA ENTRY

EPG SERVER

ELECTRONIC PROGRAM GUIDE

SUBSCRIBERS

MAIN FEATURES

- EPG and SI (Service Information) Tables generation for DVB-C/C2/C2-Bundle; DVB-T/T2; DVB-S/S2/S2X standards
- Configurable output bit rate
- System for STB software updating with schedule
- ASI and IP outputs: TCP, UDP, Unicast and Multicast
- Automatic reading of scheduled program data with configurable times
- Critical error message via email
- User-friendly and simple user interface
- Manual editing of the local channel program guide
- Configurable number of days
- Centralization capacity
- License rental (monthly payment) with minimum initial investment
- Teletext subtitles for the hearing impaired

- Tables and Descriptors Generator based on Service Information in DVB standards.
- It creates and generates dynamic and static tables in compliance with ETSI EN 300 468 y ETSI TR 101 211 specifications.
- Generation of tables for multiple transports on a unique DVB-ASI or IP output interface by means of pre-configurable PID mapping for each table and transport.
- It generates the NIT (Network Information Table), BAT (Bouquet Association Table), SDT (Service Description Table), EIT (Event Information Table), TDT (Time & Date Table), and TOT (Time Offset Table) with their respective descriptors.
- It generates EIT-P/F (Present/Following) tables, as well as EIT-S (Schedule) tables, both for the actual transport (Actual), and for other transports (Other).
- Possibility of configuring which tables to generate, as well as controlling the repetition rate of each one independently, thus accomplishing a better bandwidth use.
- Flexible configuration of the range of days in which the EPG is generated, starting at 1 to 7 days and, optionally, up to a maximum of 64 days.
- Possibility of configuring the maximum number of characters to be included in the text fields of EIT tables in a dynamic way, thus enabling the adjustment of the generated data volume, and also for adapting it to the memory requirements of Set-Top Boxes.
- Import EPG of scheduled program data as XML files and other formats (optional) through multiple access devices (e.g.: LAN, FTP, DVD, USB, etc.).
- Configuration of programming import filters, which can detect overlappings and discontinuities of the events imported for each service.
- Client/Server Architecture, with a centralized Database, and optionally, one or multiple remote editing terminals.
- Possibility of generating the EPG for more than one network, with the use of multiple instances, enabling the independent configuration of their parameters.
- STB Software updates (OTA) compliant with DVB SSU (System Software Update) standard, ETSI TS 102 006, configurable by date & time.
- It can manage multiple Teletext Clients for the insertion of Closed Caption type subtitling services on DVB cable channels.
- 1:1 Redundant server option with automatic switching and error messages via email.
- User management and user action log.
- Dynamic and intuitive graphic interface.
- Scalable and configurable.
- Support virtualized environments.

EPG SERVER

DVB STANDARD

CHARACTERISTICS

Compatible with DVB SI Standards (ETSI EN 300 468, ETSI TR 101 211)
Generate EIT-Present/Following and EIT-Schedule Tables
Additionally can generate NIT, BAT, SDT, TDT, TOT Tables, OTA/SSU Stream, and other user-defined descriptors, as well as Teletext subtitling services for DVB cable channels

INPUTS

XML files coming from the network (LAN, FTP) or from external devices (DVD, USB)

OUTPUTS

Interface: DVB-ASI (dual) / IP (UDP/TCP)
Connectors: BNC, 75 Ohms / RJ45
Bit Rate Max.: 100 Mbps (UDP) / 20 Mbps (TCP)

PLATFORM PROPOSED SERVER

Dell Power Edge Server® (1U rack) or similar
IP-ASI Converter for bitrate management, status monitoring and automatic redundancy.

EPG
SERVER



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