

EPG SERVER **EPG VS**

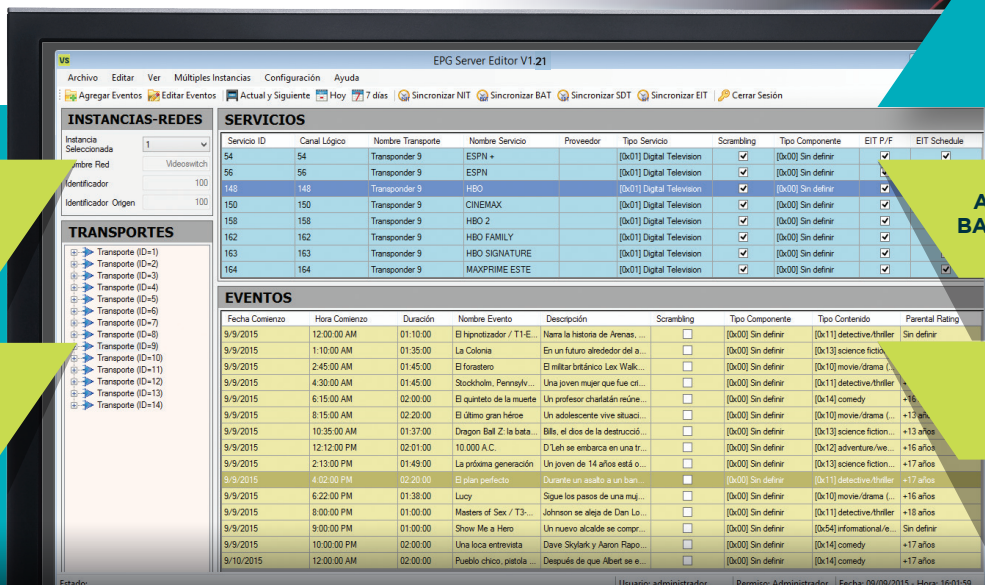
DVB STANDARD

► **Adaptable to different environments and needs**

► **Own and scalable development**



USER INTERFACE



INSTANCE / NETWORK

AVAILABLE SERVICES BASED ON TRANSPORT

AVAILABLE TRANSPORTS BASED ON NETWORK

CURRENT EVENTS BASED ON SERVICE

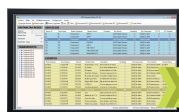
HEADEND

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

- Alarm message notification via e-mail and SNMP Traps
- 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 Redundancy scheme option.
- Alarm message notification (3 levels of criticality) via e-mail and SNMP Traps (1).
- User management and user action log.
- Dynamic and intuitive graphic interface.
- Scalable and configurable.
- Support virtualized environments.


(1): Alarm messages via Traps in SNMP require an additional license.

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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*The provision of metadata files is not part of this solution.