

Broadcast Management Platform Datasheet



Dimetis **BOSS Broadcast Manager** is an easy-to-use, comprehensive management software platform for monitoring, configuration, and control of streaming facilities, multiplex centers, IPTV, Digital Video Broadcasting (DVB) and Advanced Television Systems (ATSC/HDTV). BOSS BROADCAST Manager is capable of monitoring a large number of devices independently of manufacturer and technology, while hiding the complexity from the user. Processes and workflows in broadcast distribution environments can now be effortlessly streamlined. All distribution workflows such as event, regionalization switching, backup switching, statistical multiplexing and service-based scrambling can be monitored and managed from a single system.

Event Scheduler

The new event scheduler system allows the scheduling and initiation of multiplex configuration changes upon event boundaries. Based on the schedule created on the GUI, the multiplex management system will send configurations to the multiplexers. The event scheduler is capable to accommodate up to 18 timeshared services and to start simultaneously at the same time boundary. Active manage Conditional Access is also included in the scheduler.

Inventory / Configuration Management

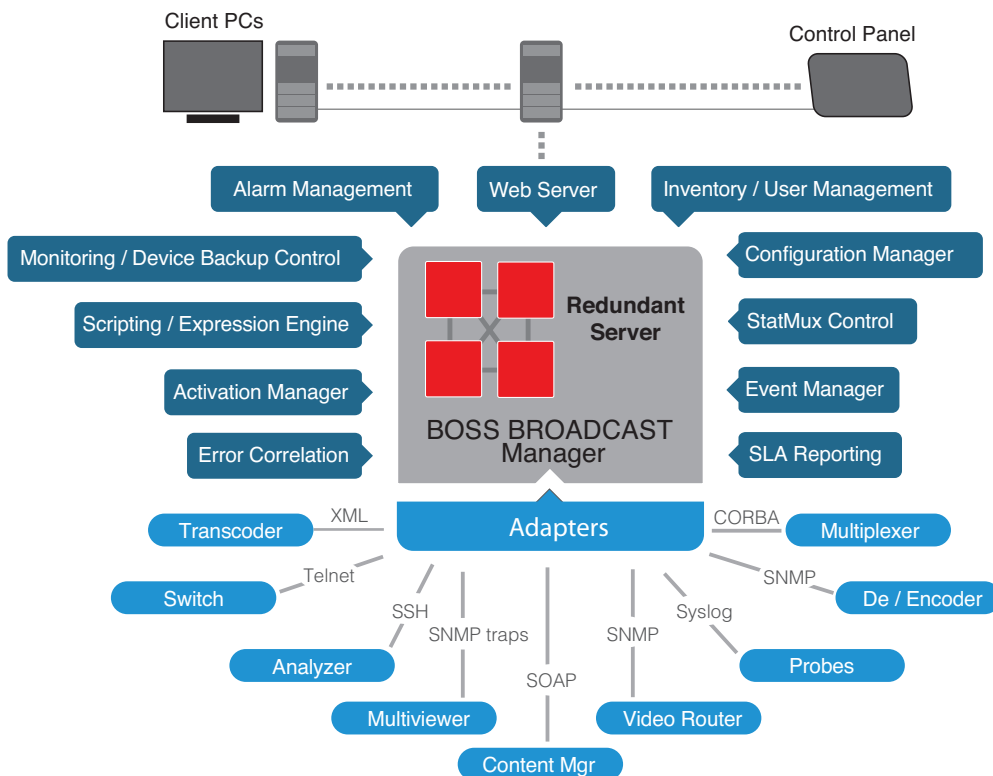
BOSS BROADCAST Manager inventory maintains real-time information of an entire broadcast network facility. It manages both physical (i.e. MUX) and logical (i.e. VLAN) assets of a broadcast network. The configuration management allows users an easy and flexible configuration of all components, metadata, and signals in the network.

Activation Engine

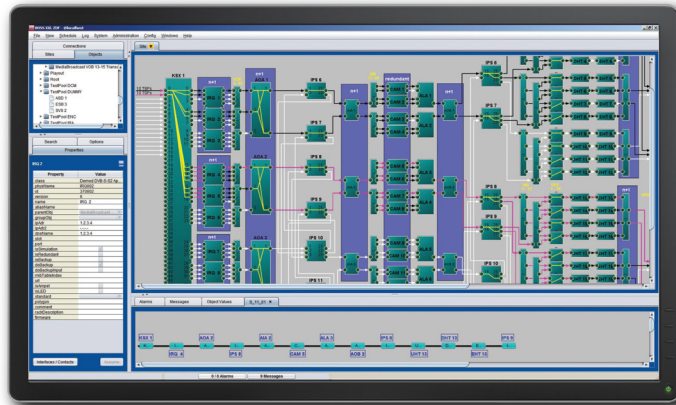
The activation engine is a unique abstraction layer that takes the configuration sequence from inventory and communicates with devices or respective EMS using different protocols such as CORBA, XML, SNMP, Telnet, etc. The activation can be triggered by the event manager, or in case of a hardware-fault, it can be executed from the error correlation engine.

BUSINESS BENEFITS

- 100% service availability
- Fast roll-out of new services (HD, 3D, etc.)
- Fully scalable system - scales as your business grows
- Controls all resources & services in a network
- Reduced TCO with simplified setup, configuration, etc.



BOSS BROADCAST Manager
Screenshot - *Signal Path Flow
Configuration*



Feature	Benefit / Description
Inventory / Configuration Management	Real-time <i>accurate</i> inventory of an entire broadcast network facility makes moves, adds and changes effortless. Configuration management allows users an easy and flexible configuration of all components, metadata, and signals in the network.
Fault Management	Quickly analyze and diagnose the source of errors, ensuring 100% service uptime.
Adapter Development Kit (ADK)	Easily develop and create individual device adapters without any restriction of protocol or transport, for maximum flexibility with any manufacture of hardware/software.
Correlation Engine	In broadcast networks the alarm of a device often is not enough to enable the trouble shooter to quickly solve the problem. The root cause analysis of Dimetis' correlation engine combines and correlates all messages from the infrastructure to detect the real cause and to guide the fixing process.
Event Manager	Recurring events like switching to regional TV programs can be scheduled in advance in order to save time. Key changes in a <i>scrambled services</i> are an example of the benefit. The system performs the successive event according to the configuration (i.e. stop event, continuous event, scheduled event and cyclic event).
Geoblocking	Allows the system to automatically distribute alternate content to users inside and outside of the licensed region.
Monitoring	The monitoring module polls devices and does trap processing of all network components including branch locations. With the user-configurable GUI, the operator can easily drill-down and navigate from top hierarchical level to device level, and to complete service view.
Expression Engine	With this module the user can define own rules and standards e.g. Key Performance Indicators (KPI) and Key Quality Indicators (KQI) to describe his individual view on daily operation. By combining figures from device OIDs with alarm types, thresholds, service level profiles and/or other data collected from the network elements each operator can focus on his individual critical parameter in a complex and constantly growing broadcast infrastructure.
Service Level Reporting	Results from the Expression Engine and other data is aggregated to create real-time service level performance monitoring. Business parameters (e.g. service up-/downtime) and their respective business impact can be made transparent to management and/or client. The reporting engine enables long-term trending and historical event investigation. Service Level Reports can easily be generated by using predefined templates.

About Dimetis

Streamlining Operations – For over 18 years Dimetis has developed world-class tools for Media Workflow Automation, Video Workflow Orchestration, OTT/Streaming Video Monitoring & Analysis, Broadcast Resource Scheduling, NFV/SDN Orchestration and much more. Dimetis is a truly agnostic vendor, interfacing and working with all vendors, hardware or software.

The Dimetis global installed base of customers include such broadcasters as ARD and ZDF in Germany, as well as RAS and Rai Way in Italy and network operators AT&T, A1 Telekom Austria GlobeCast France, GTT (USA & Europe), Telstra Australia, and Telenor Norkring Norway.

Dimetis is a member of the SVG (Sport Video Group), Intel Network Builders, TMF, IETF, ETSI NFV, EBU, IABM, FKTG & SMPTE bodies, which are dedicated to defining functional requirements and standards for the next generation networks and emerging architectures.

Contact

Germany (HQ) +49 6074 3010 0
Global Sales +49 6074 3010 409

info@dimetis.com
www.dimetis.com

© Copyright 2018, Dimetis

