MHP Application Scheduling System

MIT-Xperts

iScheduler

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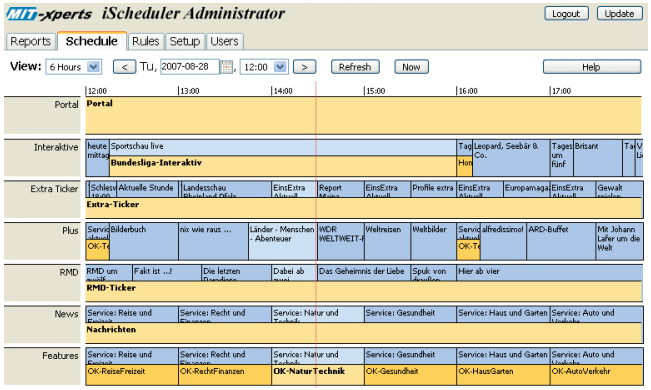
Synchronize Your Applications

Synchronizing your MHP applications with the regular TV broadcast can cause a lot of headaches. MIT-xperts iScheduler is the tool you want to have when it comes to starting and stopping your applications synchronized to your TV schedule.

iScheduler imports your schedule either from EIT or from XML input and displays it on the screen. By attaching your applications to programmings (EIT events), you ensure that applications and audio/video broadcast are started and stopped together.



The "Schedule" view allows attaching interactive applications to EIT events

Automatic Bitrate Management

iScheduler not only starts and stops your applications, it also manages their bitrate. You can specify a fixed bitrate for each transponder and iScheduler will always make sure that this bitrate is used for all MHP applications on that transponder.

This way carousels will get a higher bitrate (and thus the applications will load faster) when there are only few applications running, whereas the bitrate will get reduced when the transponder carries a lot of concurrent applications.

For each application, you can specify a requested bitrate as well as a maximum bitrate.

Application Launching Options

There are multiple types of application plannings:

1. *EIT synchronized:* The application is attached to an EIT event. When the event moves in time, iScheduler will automatically modify the application planning to match the changes.
2. *Fixed:* The application starts and stops at a fixed point in time.
3. *Permanent:* The application is played out all the time.

iScheduler also supports rules that allow you to automatically attach applications to certain programmings. As these rules support regular expressions, you will be able to automatically match nearly all of your regular plannings.

iScheduler is strongly integrated with the iMux multiplexer which handles the actual application playout and thus integrates neatly into your existing playout.

iScheduler introduces a new concept called "playout channels". These channels represent a physical way to play out applications. This concept assures that the correct PIDs, component tags, and carousel IDs are used for each service, even if the application is scheduled on different services.

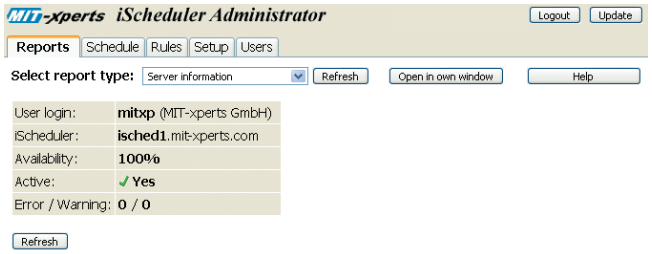
The "Rules" view allows automatic assignment of applications to EIT events

iScheduler Networking

iScheduler is a pure web-based application. All your users need is a JavaScript enabled web browser. Multiple users can work on the same iScheduler server at the same time.

iScheduler always checks the configuration for consistency and marks problematic and erroneous plannings. It also supports a backup system that fails over when the first system should run into problems (e.g. hardware failure).

Each iScheduler can connect to multiple iMux Multiplexers (main/backup and/or multiple transponders).



The "Reports" allow detailed reporting and also include a "Server information" report that shows the health status of the current server.

iScheduler comes with an integrated user management supporting various access rights. This way, each user can only see and modify the data he is allowed to. Automatic login from most content management systems is available.

Synchronized Data Playout

iScheduler can perform customized actions when an application is started or stopped. This helps you synchronizing additional data with the application launching.

For example, you can start playing prepared Stream Events when the application starts. Combined with the iDesigner Stream Event Player (which allows creating, editing, and playback of Stream Event lists), this is especially valuable for interactive game shows.

Other possibilities are: perform a last-minute news update immediately before the application starts, give a hint to the content management system that the application is now running, etc.

Key Features and Benefits

- **iScheduler provides:**
  - synchronized application launching
  - application planning schedule
  - rule-based system for automated application planning
  - various convenient reports
- **Display options:**
  - schedule view with timeline of events
  - planning details
  - planning summaries
  - planning reports
  - rules list and matching applications for each rule
  - setup area allows configuration of available applications, playout channels, services, AITs, and transponders
- **Data input:**
  - via ASI input (EIT)
  - via XML input (scheduled data + triggering)
- **Output:**
  - to multiple iMux Multiplexers
  - supports main/backup iMux Multiplexer
  - handle multiple transponders with a single iMux
- **Synchronization options:**
  - EIT synchronized
  - fixed (by specified start / end time)
  - permanent
  - warns if events with associated applications are modified
- **To be used in:**
  - headends
  - playout centers

Technical Data

- handles multiple transport streams
- robust server (redundant power supplies + hard disks)
- integrated redundancy and failover system
- requires iMux Multiplexer

Purchase Options

Product ID	ISCHED-S	ISCHED-M	ISCHED-L
ASI inputs	only XML	1	4
max. services	5	15	unlimited
Rack size	1 U	1 U	1 U

ORDERING INFORMATION

Please contact us for further details on different available options.

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