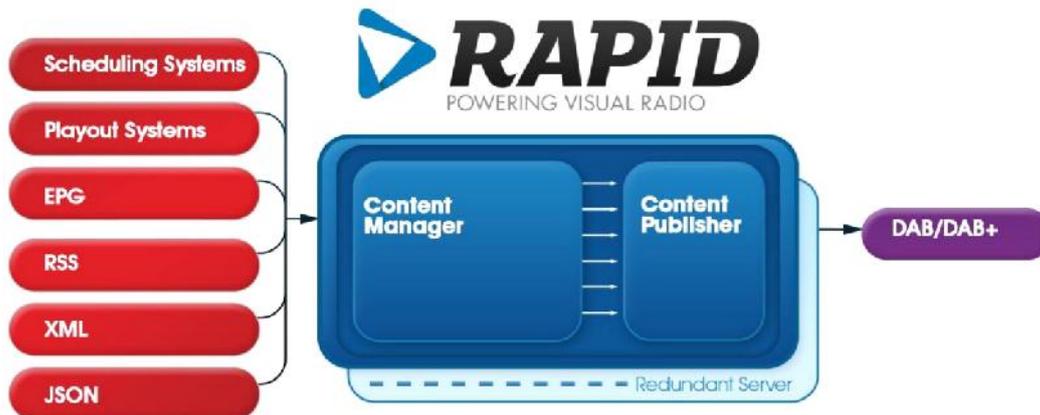# RAPID
Data Content Management Software

Powering Visual Radio for DAB/DAB⁺

RAPID Data Content Manager is a publishing tool that is used for visual radio by digital radio broadcasters across Europe, Africa, Asia and Australia since 2007.

Rapid enables radio stations to manage and publish programme schedules, now playing feeds and visual content for DAB/DAB⁺ as well as other platforms, including DRM; FM RDS; Digital TV; Websites (XML, RSS & HTML) Mobile apps; Hybrid radios (RadioVIS & RadioEPG) and Radioplayer.

DAB/DAB⁺ Content Management is available for:

| Dynamic Label (DLS/DL+) | Slideshow | Electronic Programme Guide (EPG) |

Key Features

Seamless reconfigurations of audio and data services

Simple setup and configuration

Web-based client, providing a rich user experience while making it easy to deploy the system across a network

Unicode support for international character sets

Full system logging for support, and broadcast logging for tracking all published items

Rapid validates any incoming content to ensure that it is compliant with the input format

Support for a wide variety of playout systems

Automatically switch between multiple studio sources for playout systems

Comprehensive user rights management

Import content from your social media feeds

Powerful rules engine for managing the importing of content, generation and scheduling of messages and content publishing

Deliver content to multiple destinations simultaneously

Content Management

Message builder, including the ability to add dynamic content from sources

Message validation based on the intended output (e.g. character length warnings for DAB/DAB$^+$)

Slideshow builder, including the ability to add dynamic content from sources

Comprehensive rules engine to give full control over when messages should and should not be published

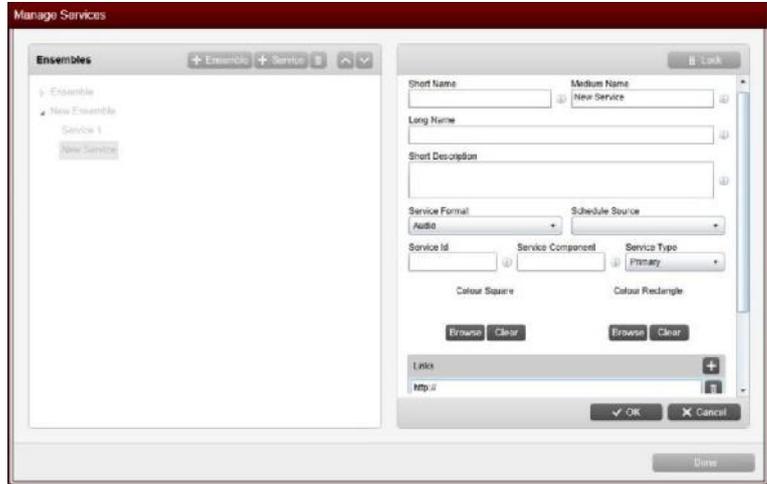Priority Lanes, providing the ability to cycle and prioritise messages that are selected for publication

Supported Sources

RSS (including option for authenticated RSS)

JSON

XML

Social Media feeds (Instagram and Facebook)

Text and images stored on local/network drives or FTP servers

EPG scheduling systems

EPG input formats include DAB EPG XML and EBU Core

Supported automation/playout systems include: DAVID; Maestro; Netia; Radioman; RCS Next Gen; RCS Zetta; VCS and Wide Orbit, plus a generic XML format for the Playout Source that a broadcaster can use for pushing 'now-playing' data to RAPID.

Custom importer plugins can be written for client-specific formats

Optional Modules

EPG Manager Output Module

The EPG Manager Output module allows broadcasters to publish EPG data to a variety of different platforms. The EPG Manager supports a variety of output formats including the DAB/DAB+ EPG specifications (ETSI TS 102818 and ETSI TS 102371). Other platforms supported include: RadioDNS; RadioEPG and Radioplayer, as well as e-mailing programme schedules as Rich Text (RTF) documents.

The EPG Scheduler section provides a full week-by-week view of the programme schedules. Stations can also create programme schedules from this page.

Scheduler can be used to create programme-specific messages and rules that are then published on one or more outputs in RAPID when that programme is on-air.
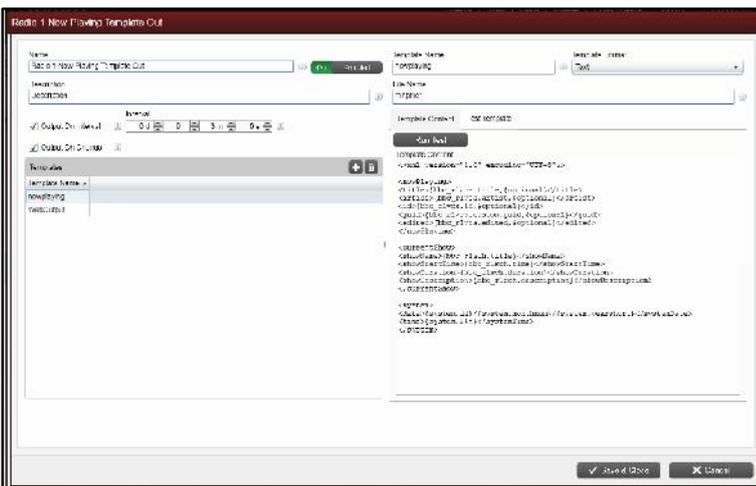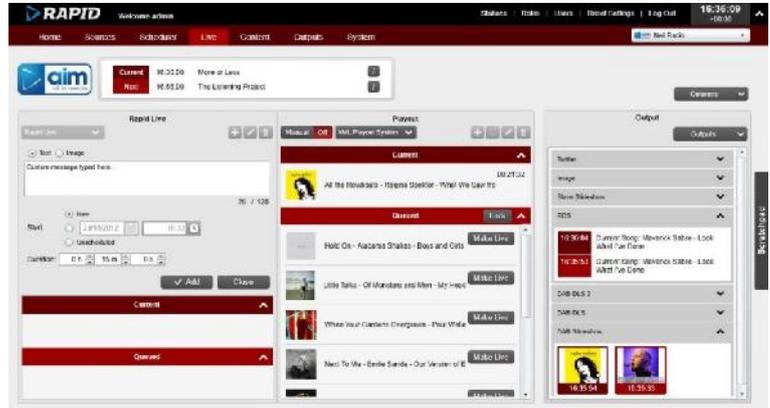
Optional Modules (contd.)

RAPID Live Module

RAPID Live is a simple tool that enables station presenters and DJs to quickly and easily add text and images to existing outputs.

From RAPID Live it is also possible to override the playout feed for a particular station to allow tracks to be manually entered when live track data is not available (for example, when tracks are played out on CD rather than using the playout system). Using the Playout override feature of RAPID Live means that outputs that use now playing information can still present track and artist information even when the playout system itself isn't generating that information.

The current content being delivered on individual outputs can also be viewed, for monitoring purposes.

Metadata Output Module

The Metadata Output module enables Rapid to publish XML and HTML content to third-party systems. It includes three different Output types;

- Playout Export: publish now playing track and schedule details in real-time to a radio stations' own systems (using FTP, HTTP Post or a network folder) and a variety of third-party destinations, including TuneIn and Radioplayer.

- Template: generate XML, text or HTML documents and publish them to internal or third-party systems. The Template Output can generate complex XML documents, using the Razor syntax.

Scalability

The scalability of RAPID as a visual radio publishing tool makes RAPID equally suited to single stations broadcasting on a single platform to managing complex multimedia services across multiple platforms.

Scalability Example 1

For single stations broadcasting on a single platform, RAPID can be installed on a Factum-Radioscape Broadcast System.

Scalability Example 2

For multi-station, multi-platform installations, with complex data processing, RAPID can be installed on a stand-alone server.

A World of Experience in Digital Radio