EBU
OPERATING EUROVISION AND EURORADIO
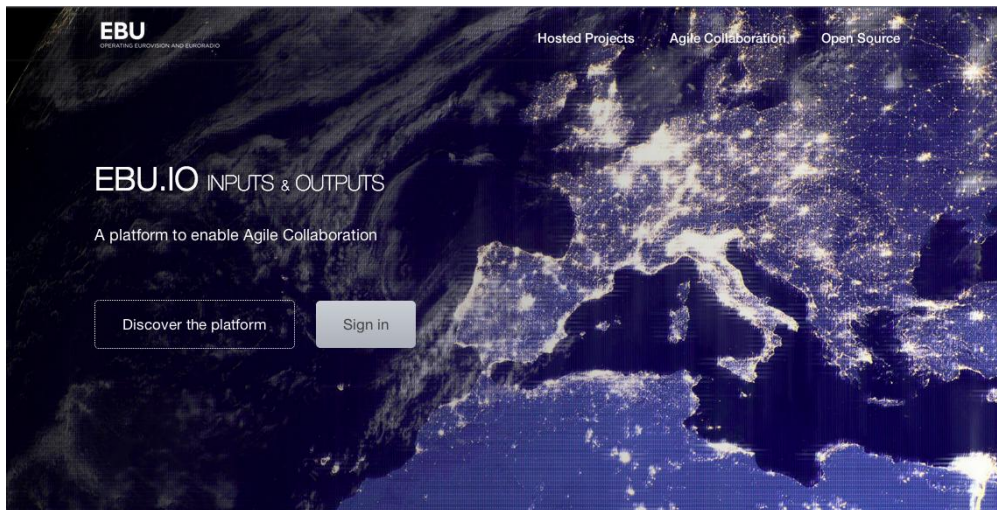
TECHNOLOGY
FACT SHEET

EBU.IO – INPUTS & OUTPUTS

A PLATFORM FOR AGILE COLLABORATION

EBU.IO allows EBU Members to share their knowledge, publish code and reference implementations, run demonstrations and proofs-of-concepts, access starter kits, and manage experimental services.

THE PLATFORM

EBU's Technology & Innovation department has developed the EBU.IO platform to encourage the adoption of best practices in software development across all of its technical activities. With EBU.IO, software code and documentation is managed efficiently, helping to preserve knowledge and to improve the usability, availability and credibility of the software developed. The platform currently offers:

Curated Projects
A list of open source projects relevant to the media industry, managed by the community. Feel free to contribute to it!

IO Projects
Four projects are currently powered by EBU.IO. Each is described on the back of this sheet.

A set of tools to build and support the projects
These tools will shortly be available to EBU Members and potentially a wider development community. They include version control for code and documents, an issue tracker and forum, a live environment to run web services connected to a continuous integration engine and monitoring.
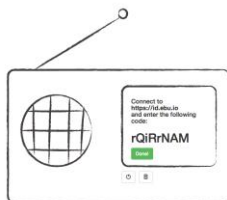
FIND OUT MORE

EBU.IO portal   ebu.io
EBU DevCon 2014   tech.ebu.ch/devcon14

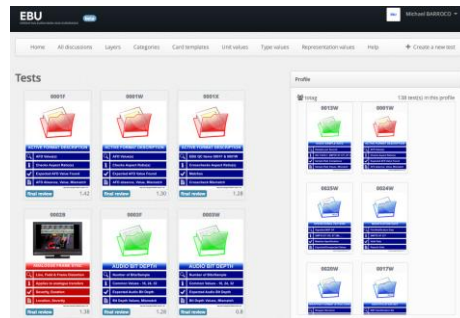## Cross-Platform Authentication

http://ebu.io/cpa

CPA is a protocol to associate any media device with an online identity.

The CPA tool currently hosts the CPA v1.0 reference implementations. It also serves as the living document version of the specification.
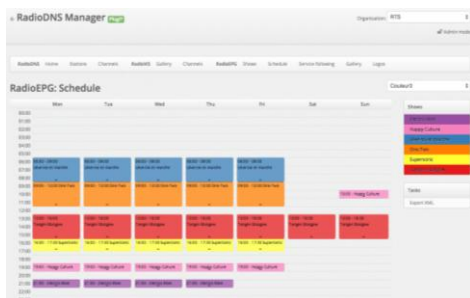
Quality Control

http://ebu.io/qc

Online database of Quality Control (QC) test items, used to develop, maintain and disseminate EBU QC test definitions.

Each test is uniquely identified and can be referred to by QC equipment vendors to signal their equipment supports it and by broadcasters to indicate it forms part of their delivery specs.

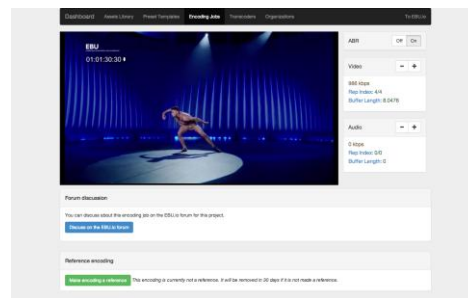## RadioDNS Manager

http://ebu.io/radiodns

The RadioDNS Manager is a free, experimental service, which allows broadcasters to manage their station's RadioDNS services. It is designed for EBU Members who want to test RadioDNS without having to deploy the infrastructure themselves.

RadioDNS Manager supports static RadioVIS visualisations and RadioEGP programme guides. Dynamic visualisation and programme guides can be created using another EBU.IO project - EBU Content Manager .

Encoding Test Engine

http://ebu.io/encoding

The Encoding Test Engine provides a 'reference software workflow' for the encoding of content in various AV formats. It is built using Open Source software only.

The Test Engine can help broadcasters to optimize their contribution/distribution chains. It is also intended to help identify optimal settings for MPEG-DASH content generation, which may vary depending on the use case.