DELIVERING A PERSONALIZED USER EXPERIENCE USING HBBTV

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OCTOBER 19, 2016 - MADRID

JOINT WORK WITH MANY COLLEAGUES



TRADITIONAL BROADCASTERS USER EXPERIENCE



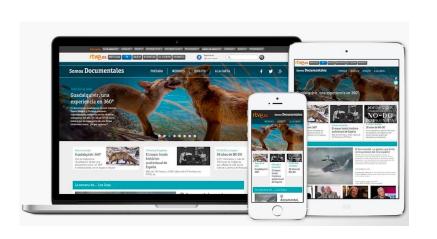






"A DEVICE SHOULD BE A WINDOW TO THE MEDIA EXPERIENCE"







STANDARDIZATION IS KEY FOR BROADCASTERS DISTRIBUTION





ACCESS TO BROADCAST CONTENT IS MORE AND MORE DIFFICULT





DATA-DRIVEN DISTRIBUTION



Authentication / Single Sign-OnMulti-platform authentication, Radio, TV & online



Content Recommendation automated, social, editorial



PersonalizationExperiences, notifications, communication



Business Intelligence
Understand the audience experience in order to positively impact the business



CPA CROSS-PLATFORM AUTHENTICATION

Open Standard to associate an online identity with media devices ETSLTS 103 407



International Collaboration

BBC, VRT, RTS, TVP, Global Radio (UK), Frontier Silicon (UK)

Open Source Reference implementation and tutorials

Libraries available on Github



http://tech.ebu.ch/cpa



Tech 3366

The Cross-Platform Authentication Protocol

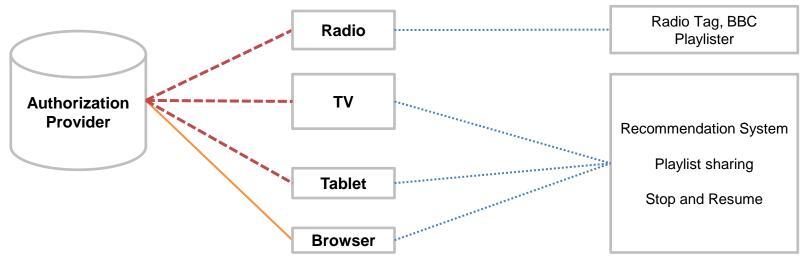
EBU Technology & Innovation

tech.ebu.ch/cpa

HbbTV Demonstrator

November 2014

TOKEN DELIVERY METHOD



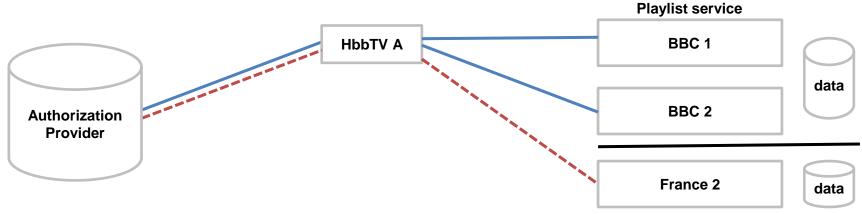
ETSI 103 407: Cross Platform Authentication

— OAuth 2.0, OpenID Connect, Saml 2.0

Service providers



DATA ISOLATION AND ANONYMIZATION



A token represents the following associations:

- BBC, User A, HbbTV A
- -- France 2, User A, HbbTV A



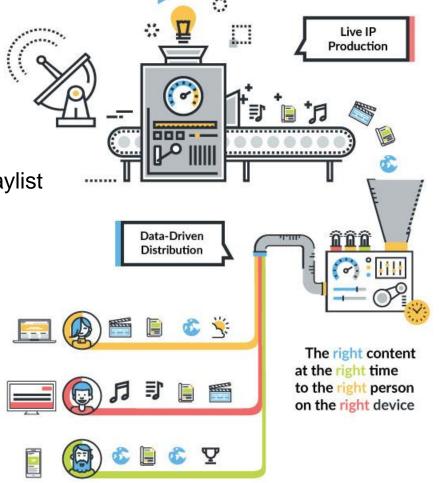
PROTOTYPES

2014: Authentication and content sharing

2015: Content shifting and cross-device playlist

2016: Personalized channel

and near-live notifications





KEY MEMBERS AND PARTNERS

































KEY ASPECTS OF HBBTV 2.0.1 FOR PERSONALIZATION

HTTPS

Secure Token Delivery

Cross-Origin Resource Sharing (CORS)

Single sign-on between channels

DIAL

Screens Synchronization and local media shifting



THANK YOU!

Contacts

Personalization: https://tech.ebu.ch/personalization

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