EBU **TECHNICAL**

Requirements on TV archives

1st Int. Workshop on Standards and Technologies in Multimedia Archives and Records (STAR)
Lausanne, 2010-04-26/27

EBU·UER

Broadcasters

- Europe

- File-based

- HDTV

- Multi-platform

- Expertise

- (IT) Vendors

- Surveys, report, discussion, requirements

- Preview **+**

The integrated file-based archive

- Central role, distributed workflow

- Preservation & production

- Part of the MAM

- More concurrent access

- More material reuse

- Smarter searching

More concurrent access

Reduced costs

Automatic ingest/annotation

- Change !

What does (not) change

- Journalist
- Archivist

- Cooperation

- Retention strategy
- Web content **+**
- Rights information

Integration

- Newsroom, ingest, play-out

- **Lack of interoperability**
  - Formats
  - Metadata

- File transcoding

- Network QoS

- Legacy system integration

Strategic

- How to guarantee a future-proof archive systeem?

- Outsource or custom-built?
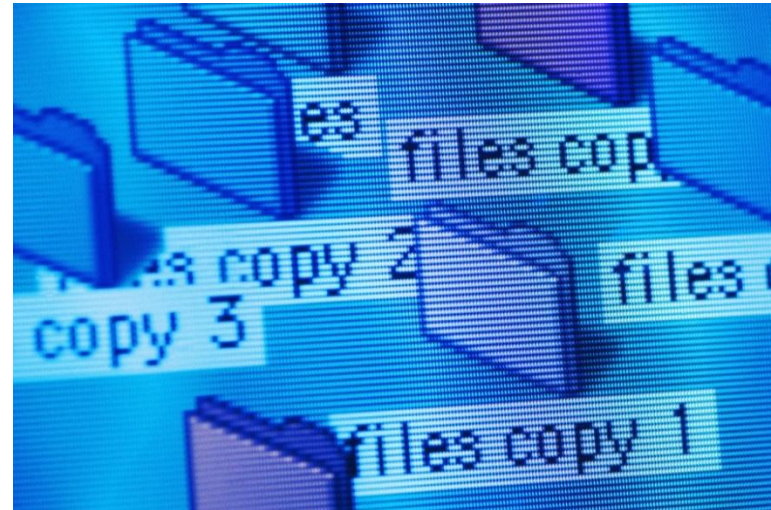
+ Generic data centers?
+ Cloud services?

Formats

- **Current**
  - SD 576i/25
  - D10/IMX and DV-based
  - MXF (Quicktime, AAF)
  - DLT/LTO, HDD, videotape
  - WMV/MPEG-1

- **One file format?**
  - Paradox
  - + / -

HDTV

- **Higher quality**

- **Larger files***
    - Storage
    - Bandwidth

- **Multiple formats**
    - Transcoding costs
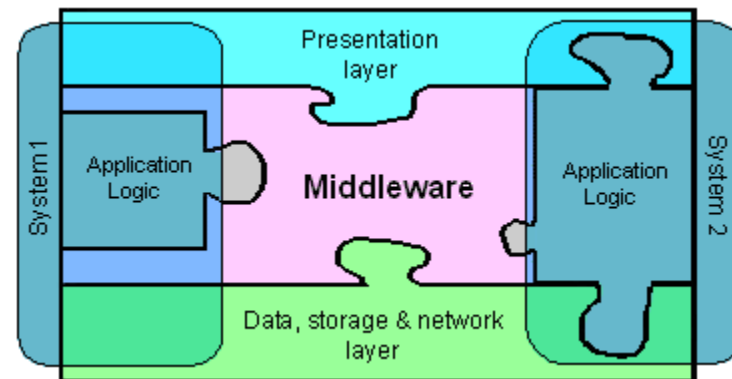   - Investment risk
    - Additional integration costs

Metadata

- In-house developed
- Dublin Core

- Relevance of exchange
- Vendor follows client

- EBU Core (Tech 3293)
  - Dublin Core + extensions
  - Metadata interoperability for archives

Integration

- Level of integration
- 3 things fail

- *Software & middleware*
- *ESB*
- *Network issues*
- *File stubbing*
- *Automated transcoding*

- System failure and catastrophies + clouds / data centers?

Project management

1. Broadcaster's organisation/workflow not ready for change

2. Legacy technology integration

3. Vendors' awareness of customers' needs not good enough

- Preparation
- Overspecification
- Project methodology

Current and future work

- Loudness normalisation
- MXF, codecs, metadata and services interoperability

- **Potential EBU follow-up work**

  - EBU archive requirements

  - Open storage

  - Web archiving

  - More experience sharing

  - Expert Community on Integrated Production

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Thank you

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