

# Training Day 11 Report:

20 June 2024

On the twelfth day of training at DD India, I gained insights into the advanced playout and streaming operations. This report details the use of QuickEdge automation for playout, the features of the system, and the technologies used for streaming and recording.

## Playout Using QuickEdge Automation Client

QuickEdge automation client is a sophisticated tool used at DD India for managing and automating the playout of media content. It includes a wide range of features designed to enhance efficiency and flexibility in broadcasting.

### Features of QuickEdge Automation Client:

#### 1. Clip Browser:

- **Clip Management:** The clip browser allows users to manage and organize media clips efficiently.
- **Preview Port:** Provides a dedicated preview port where users can view clips before they are broadcasted.
- **Metadata Handling:** Clips are tagged with metadata, making it easier to create subclips.

#### 2. Sub-Clips Creation:

- **Using Preview Port:** Sub-clips can be created from the main clip using the preview port.
- **Metadata Utilization:** Metadata is used to accurately select and segment parts of the clip.
- **Applications:** Sub-clips are used to add promos, fillers, and advertisements to the main clip, ensuring smooth transitions and continuity during broadcasting.

#### 3. PCR (Production Control Room) Playout:

- **Main Program Management:** The PCR handles the playout of the main program content.
- **Real-Time Editing:** Operators can make real-time edits and adjustments to the program content as it is being broadcasted.

#### 4. **MCR (Master Control Room) Playout:**

- **Comprehensive Playout:** The MCR manages the playout of the entire program, including fillers, promos, and advertisements.
- **Integrated Workflow:** Ensures a seamless integration of all elements into the final broadcast.

### **Streaming Technologies:**

#### 1. **AJA HELO Plus:**

- **Advanced H.264 Streaming:** The AJA HELO Plus is a standalone appliance that offers advanced H.264 streaming and recording capabilities.
- **Stand-Alone Appliance:** It can operate independently without requiring additional hardware or software.
- **Streaming and Recording:** Simultaneously streams live video and records high-quality files for later use.

#### 2. **OBS (Open Broadcaster Software):**

- **Occasional Use:** OBS is used occasionally for specific streaming needs.
- **Flexibility:** Offers a versatile platform for live streaming and recording, supporting a wide range of input sources and output formats.

## Conclusion

The twelfth day of training provided an in-depth understanding of the advanced playout and streaming operations at DD India. The QuickEdge automation client plays a pivotal role in managing and automating the playout process, with features such as clip browsing, sub-clip creation, and integrated playout management in both the PCR and MCR. Additionally, the use of AJA HELO Plus for advanced streaming and recording, along with occasional use of OBS, ensures high-quality and flexible broadcasting capabilities. These technologies and workflows collectively enhance the efficiency and reliability of DD India's broadcasting operations.

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