

2019-2 RELEASE NOTES

NEW FEATURES, CHANGES AND ENHANCEMENTS

MEDIA MINING CLIENT

- **New UI components for**
 - **Case definition and management component**
 - **User auditing statistics**
 - **System content metrics**
 - *Details see below*
- **User settings in web client**
 - User settings page to **define the startup workspace** for the user, and **change the password**
- **Social media extension**
 - The social media extension UI is now provided by the common dashboard UI of the MMC web client, to better blend in with the web client look and feel
 - Legacy SME component is still available in the context menu
 - Social media search result now appear with new layout, providing the social media user in the title and a context menu for further actions on that user
 - Hovering social media documents now highlights the geo location in the map widget, if available
- **Configuration of visible filters** in web client
 - Filters that should be hidden system-wide can be configured on the server
- **Trend charts** can be set to **minute precision**
- **IP stream scheduler on desktop client:**
 - Integration of **Icecast radio directory** and **radio.garden** for easier search of IP radio stream URLs
 - Support for scheduling YouTube live (24x7) streams
- **TV scheduler on desktop client:**
 - Improvements and new components for **management of channels and tuning parameters**
 - *Details see below*
- **Standalone user guides**
 - Separate user guides for standalone profiling and scheduling applications

CASES AND NETWORK ANALYSIS

- **Case definition and management UI** components
 - Define cases by adding users and/or documents or queries to a case
 - Cases represent small but meaningful subsets of social media data, from a targeted group of interest
- Search filters enabling the **filtering** of a dashboard **by cases**
- Ability to export cases as a network graph for **network analysis**
 - Integration of **network graph analysis** backend and UI components (*end of January 2020*)
 - Ability to export network graph in **graphSON or graphML** format, for import in third party graph analysis tools



SYSTEM CONTENT METRICS

- Dashboard for visualizing **system content metrics**
 - **Media storage usage** over time, for channels, file types, etc.
 - **Storage indexer** using elasticsearch for efficient retrieval of media storage statistics
 - Differential re-indexing strategies (hourly or daily), to keep the storage index up to date for data that is added in a foreseeable fashion (according to schedule)
 - Regular (weekly) full differential re-indexing to catch up with unforeseeable storage changes
 - **Trend of collected sources** over time per channel and/or feeder instance
 - **User-customizable widgets** for displaying metrics data in various ways (line chart, pie chart, etc.)

USER AUDITING STATISTICS

- **User auditing statistics** dashboard
 - Auditing statistics for: **workflow actions, queries, media file access, scheduling and profiler activity**
 - New **user role** “Auditor” introduced to control who can view auditing statistics
 - **User-customizable widgets** for displaying auditing data in various ways (line chart, pie chart, etc.)

TV CHANNEL MANAGEMENT AND PREVIEW

- Components for **management of channel lists and tuning parameters**
 - Ability to **flag channels as “bad”** and filter or group the channel lists by that flag
 - **Automatic flagging of bad channels** after a channel scan, for all channels that are no longer detected in the scan result
 - **Live channel preview** and display of detected channel parameters on a transponder
 - Ability to preview a live stream of the selected channel to verify tuning parameters
 - Needs selection of a feeder instance to show the stream, which will interrupt the current scheduled recording
 - Display of detected logical channels and tuning parameters on the current transponder, for easier analysis and correction of the channel parameters
 - Suggested auto-corrections for channel parameters, if such corrections can be determined from the meta-data of the current transponder
 - Automatically switch channel preview when iterating through the channel list

VISUAL ANALYTICS

- Integration of **visual content analysis** (*end of January 2020*)
 - Support for **face recognition**
 - Other visual analytics feature to be added in the future
 - Automatic analysis on live video streams
 - Ability to search for faces in MMC search components

MEDIA MINING FEEDER

- **HLS and YouTube live stream support**
 - Support for **HTTP live streaming** (HLS) protocol for schedulable IP stream sources
 - Support for **YouTube HLS live streams**
 - Built-in **resolver for YouTube live stream URLs** from the public YouTube web address of the stream
- **Live channel preview API**
 - API to switch into live channel preview mode and report back channel verification results

MEDIA MINING INDEXER

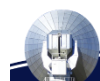
- Extended models for Urdu (ur_pk) and Pashto (ps_af) which now contain a speaker identification (SID) model, a model for topic detection (TD) as well as a model for sentiment analysis (SA)
- Improved tagging of named entities (references of last names alone)
- CAVA - continuous automatic vocabulary adaptation for English, German, French and Spanish

MEDIA MINING SERVER AND API

- Support for **SDL v4** cloud-based machine translation API
- **API for case definition** and management
- **DistinctFields** search executor, for selecting distinct values in a search query
- **Source trends** search executors, for retrieving volume trends per source and/or feeder instance over time
- Query executors for making native **JDBC and elasticsearch queries** and get results in unified data frame format
 - Note: JDBC queries are restricted to the useractivity table only and cannot make modifications on the database
- **TrendMinutely** search executor for getting trend charts on minute precision

PROFILES AND ONTOLOGIES

- Extension of profiles for several categories, e.g. for Politics and Election Campaigns or Crime and Justice
- Correction of profiles across categories



BUG FIXES

MEDIA MINING CLIENT FOR DESKTOP

- Fix missing scrollbars in user administration component
- Fix editing of media category titles

MEDIA MINING FEEDER

- Fix transcoding of WAV files, which resulted in empty mp4 files

