MASTODON
d e s i g n
A CACI Company

Deckard Software Release: 3.0.0

Description: Version Description Document for Deckard Software version 3.0.0
System: Athena
Release Date: 17 July 2023

Version Description
Previous Version Number: 2.0.0
New Version Number: 3.0.0
MD5 Hash: 31ac634568fefb0438ebdfa4ba8affac
Compatibility: Kraken and Beast radios running Vulcan and Athena Firmware

This is a major software release for the Deckard analytic tool adds the ability to connect to a tethered radio, retrieve logs as they are generated, and listen to audio from within Deckard. New features include:

- The ability to connect Deckard to a tethered radio

- The ability to retrieve logs from a tethered radio and ingest into the Deckard database

- The ability to automatically fetch logs on a pre-programed schedule

- NXDN .log files are not longer supported; NXDN .csv log files are now used for Deckard NXDN ingest

- Audio tab allows users to review and add notes to audio recordings

- Users can enter notes against audio files, which are automatically stored in the database for the corresponding event and can be exported along with metadata

Improvements
In addition to the new features, several existing features have been improved:

- Configuration
  - Improved ability to configure which types of logs are ingested into the Deckard database
  - Simplehits.csv files are no longer recommended for use in Deckard. The capability is still present, but the new analog_events.csv is the preferred method for processing analog signals.

- Analyze

- Added "analog events vs. CTCSS Tone / CTCSS PL Code" chart to the network tab
- Added "NXDN: Events vs. Site Code" chart to the Network Tab
- Added "NXDN: Events vs. System Code" chart to the Network Tab

- Visualize
  - Protocol tabs are now only shown for protocols that have uploaded data
  - Added "CTCSS Tone / CTCSS PL Code" nodes to the Analog network graph. These nodes are similar to talkgroup/access code/side ID nodes

- General
  - Added the ability to download all logs on connected radio to local computer in a .zip file
  - Added several new filters and filter options to the filter panel
  - Added a "refresh logs from radio" option in the header bar to automatically pull all selected logs from the radio
  - Various bug fixes and improvements
  - Users can play audio locally (not from a tethered radio) by copying the scan_audio folder into the Deckard install location: C:/MASTODON/Deckard/audio. Uploading the corresponding hits and audio_events logs will allow the user to play audio from that directory

Known Issues

- Spaces in computer name will prevent auto-launch of Google Chrome pointing to localhost:5000 from Desktop

- Radio tethering is currently limited to motherboard IP of 10.0.0.100

- Some users may experience a white screen upon starting the Deckard server and opening the browser

  To remedy this issue, open the windows registry. Under Computer, navigate to Computer\HKEY_CLASSES_ROOT\.js and note the Content Type key set to a value of text/plain. Change this value to application/javascript (if this key/value pair does not exist, you may create it). Restart the webserver and the browser and you will be able to access Deckard