NWD Data Dictionary - File Subset

Note: All tables should have columns [TableName]CreatedAt and [TableName]UpdatedAt with associated triggers to handle the population of each. They have been omitted from the data dictionary as their usage and purpose is redundant.

File Subset Tables

- AudioTranscript
- Device
- DisplayName
- File
- FileHash
- FileTag
- Hash
- LocalConfig
- Path
- Tag
- Transcription

Table: AudioTranscript

- AudioTranscriptId
- AudioTranscriptValue

Table holds transcriptions of audio files, or textual content that gets recorded into audio as well. Examples include transcribed voicememos and lyric bits for recording.

Table: Device

- DeviceId
- DeviceDescription

Table holds all registered devices, including the host device. Device and Path uniquely identify a File

Table: DisplayName

- DisplayNameId
- DisplayNameValue

Table holds display names to be used for display of file lists (as opposed to the path's file name). Used to maintain paths as identifying values while allowing the user to give the files more friendly names, duplicating those names if desired.

Table: File

- FileId
- DeviceId
- PathId
- DisplayNameId
- FileDescription
- FileName

Files are uniquely identified by device and path, an optional display name and description can be assigned. FileName is also an optional field, and can be processed from path to quicken operations that merely need filename retrievals.

Table: FileHash

- FileHashId
- FileId
- HashId

Links one file to one hash. When used in conjunction with the standard updated at and created at fields, can be used to track versions of a file (all hashes with created at and updated at time stamps for a given file id).

Table: FileTag

- FileTagId
- FileId
- TagId

A junction table allowing many to many relationships between files and tags.

Table: Hash

- HashId
- HashValue

Holds SHA1 hash values for File entities.

Table: LocalConfig

- LocalConfigId
- LocalConfigKey
- LocalConfigValue

Holds configuration data specific to the host device. This table should never be synced to other devices.

Table: Path

- PathId
- PathValue

Holds a device independant file path.

Holds a file tag. The only forbidden character in a tag is a comma ',' though

Table: Tag

TagId

TagValue

| Table: Transcription |

TranscriptionId

AudioTranscriptId

FileId

Allows for many to many relationships between Files and AudioTranscripts. Necessary because one AudioTranscript may be linked to multiple Files (as in the case with multiple recording instances for the same lyric section), or one File may be linked to multiple AudioTranscripts (as in the case wherein multiple previously existing lyric bits are recorded into one single