

NWD Data Dictionary - File Subset V5

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
AudioTranscriptBeginTime
AudioTranscriptEndTime

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. Begin and End time are for multi part transcriptions, especially for long voicememos, and allows us to split up audio by topic

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.

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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
FileTagTaggedAt
FileTagUntaggedAt

A junction table allowing many to many relationships between files and tags. TaggedAt and UntaggedAt support the truing of tag removals and additions between nodes.

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.

Table: Tag

TagId

TagValue

Holds a file tag. The only forbidden character in a tag is a comma ',' though nothing in the database prevents this. It is a programmatic convention for handling tag strings. This table should respect that convention.

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 session).