Twonky SDK 8.2.1

Twonky Server

Improvements

- NMC RPC call "SetIniProperty" and "GetIniProperty" are now handled by Twonky Server to unify the security checks
- RSS feeds require now less memory
- SSDP module now checks for correct network more strictly to prevent server from answering incorrect SSDP messages.
- Twonky Server logfile is now located in the user's Twonky Library [Mac only]
- added INI option "enable_multihome" to configure multihome support
- added INI option "enablenmcwebapi" for support of "local access only" of the NMC RPC/RSS
- added ability to use 'AlbumArt_{GUID}_Small.jpg' from Windows Media Player as album art
- added client adaptation for Samsung TV K series
- added subtitle support for Oppo BDP-93 player
- added support for .hevc files
- added support for command-line arguments on Mac
- added support for ogg embedded album art
- added support for subtitles for Samsung Series J TV
- added the rpc call: "rpc/is_port_available" to verify if a TCP port is available, which is important to check, before the server is configured for a new port
- added user notification on restart when corrupt media file caused a server crash on Mac
- improved Interoperability with Audionet IOS control point
- improved Panasonic Viera device adaptation
- improved UTF-8 metadata handling in JPEG file scanner
- improved foreign character handling for mp3
- improved interoperability with LG 47LE550
- improved log messages shown during shutdown
- improved logging of network traffic
- improved write performance on filesystems using synchronous I/O
- playlist entries now match case insensitive on their file extension
- rpc "get_logfile" now opens the browsers FILE SAVE AS dialog
- specific albumart, which belongs to an individual file, now overrules generic albumart like folder.jpg
- the 'By Folder' navigation tree now uses primarily folder.jpg as container thumbnail
- the Windows installer option "install as system service" is now unchecked by default
- the appdata folder name has been changed from /var/Twonky/TwonkyServer to /var/Twonky/twonkyserver [Linux only]
- the trayapp is now more robust in finding the server on the system [Windows only]
- the web UI uses now the configured default navigation tree (instead of the Advanced View)
- twonky-config.html is no longer generated or used by Twonky Server

Bug fixes

- Denon AVR-3808 was not discovered correctly
- NLS and OPT header were missing in IPv6 SSDP-message
- Twonky Server no longer crashes on QNAP devices
- added parsing of the composer from the ID3v2 TCM-tag
- created new device description for Sonos
- duplicated media items appeared in database after aggregated server restarts
- enabled locations are always allowed to aggregate
- fixed a bug with IPv6-clients not beeing able to access the server. All IPv6-clients are now enabled by default
- fixed a wakeup/resume issue on WIndows 7
- fixed an issue where videos taken with Android 6 using the device camera were not shown in Ref App

QA information

CTT 2.0.4.1

MCVT 3.0.3.8

UCTT 2.0.67

LPTT 2.0.36

Table of contents

- fixed bad database lookup entries after database re-organization
- fixed broken client adaptation for LG TV Series 5
- fixed crash when adding files through filescanner-extended-formats.txt
- fixed detection of Samsung TV F and J series
- fixed handling of content-directories when content-base is set
- fixed identification of Apple TV
- fixed increasing number of threads with Apple TV in the network [Mac only]
- fixed infinite spinning wheel on web config
- fixed license-key deactivation when experiencing network errors on MAC Mini with activated Wi-Fi
- fixed memory leak in iTunes import when imported items are not shared
- fixed memory leak in removable-media module
- fixed memory leak in scan_aac and scan_mp4
- fixed playlists which contain songs with accented characters
- fixed properties of the internal shared folder used for aggregation
- fixed sorting for albums with more than 255 tracks
- fixed that UDP listeners on 127.0.0.1 and port 1900 were not closed on network changes if disablelocalssdp is set
- fixed that adding an item to a paused queue caused the playback to start
- fixed that for remote access there were some credentials checked, even if these have not been set
- fixed that some devices were discovered as " -/- "
- fixed that the web UI after changing the httpport did not require a server restart.
- fixed that under some circumstances Twonky Server used 2-4% processing time continously
- fixed the date handling of the mp3 scanner
- for mp3 files sometimes the date was not parsed correctly and the file creation date was taken instead
- invalid MPEG files were not handled correct
- mp4 decoder was crashing on some AAC audio files
- new detected aggregation servers in the network are by default "enabled", i.e. they are allowed to aggregate this server.
- playlist items with URLs have not been visible in navigation tree
- removed misleading error messages from log about TCP/IP connection problems
- resolved problems when accessing the config-pages over IPv6 addresses
- resolved start-up problems of Twonky Server on some Windows 10
- upload and mirror folder names were not renamed on language change
- when pulling aggregated content, thumbnails were not displayed on Samsung D-series

Known issues

- under some circumstances audiobooks disappear upon reboot on QNAP
- "My Russound" app does not show the correct album art when used with Twonky Server
- audiobooks can not be aggregated by other Twonky Servers
- duration calculation of MPEG2TS files is not accurate if timeseek generation is disabled
- error in Mac OS logs for filedb-delete is actually only a warning; operation is not impacted
- occasionally, Twonky license key input results in "invalid key" on Linux systems. (workaround: remove the appdata folder and try again)
- updating from 7.x to 8.0 with preserve settings leaves some files in c:\
- Internet Radio stations that serve .m3u playlists within .m3u files can not be streamed
- UPnP inspector gets confused when Twonky Server provides multiple artist tags with different roles
- occasionally, Twonky license key input results in "invalid key" on Linux systems
    - workaround: remove the appdata folder and try again
- webUI

Twonky Client Components

Improvements

- NMC RPC call "SetIniProperty" and "GetIniProperty" are now handled by Twonky Server to unify the security checks
- RSS feeds require now less memory
- added DDKeyServiceControlURLPrefix to get service control URL [iOS only]
- added INI option "enable_multihome" to configure multihome support
- added INI option "enablemcwebapi" for support of "local access only" of the NMC RPC/RSS
- added LDMR hook tm_ldmr_play_from_position_t
- added MDKeyWellKnownBookmark [iOS only]
- added NMC_DDKEY_SERVICE_CONTROL_URL_PREFIX to get service control URL
- added NMC_MDKEY_WELLKNOWN_BOOKMARK
- added SERVICECONTROLURLPREFIX metadata key to get service control URL [Android only]
- added a new local renderer class that uses AVFoundation framework [iOS only]
- added client adaptation for Samsung TV K series
- added connection timeout support to AndroidLocalRenderers class [Android only]
- added functions tm_nmc_invoke_soap_action[_async] to invoke arbitrary SOAP actions
- added invokeSoapAction APIs to invoke any SOAP action [iOS only]
- added loadMetadata API to RendererContext [Android only]
- added new methods invokeSoapAction[async] to invoke any SOAP action [Android only]
- added new playback related error code NMCResultPlayPreparation [iOS only]
- added new playback related error code PLAY_PREPARATION [Android only]
- added new renderer event onRendererPlaySpeedChanged [Android only]
- added new setUserAgent API in NMCMediaControl [iOS only]
- added setRendererPlaysAll to treat all content as being supported [iOS only]
- added support for empty metadata in SetAVTransportURI
- added support for playFromPosition hook in local renderer [iOS only]
- added support for playFromPosition hook in local renderer [Android only]
- added suppression of beaming unsupported GIF to Samsung TV
- added tm_queue_get_current_playindex to help to identify an invalid play index
- enabled Bitcode support [iOS only]
- flac can now be beamed to ChromeCast [Android and iOS]
- improved foreign character handling for mp3
- improved log messages shown during shutdown
- improved queue handling when deleting items from the queue [iOS only]
- improvement robustness of ChromeCast beaming [Android only]
- play invocation returns now transition not available error if renderer is busy
- refusing now most invocations on Samsung F and H series while preparing playback
- updated image scaler used by Twonky server to support new scale modes [iOS only]

Bug Fixes

- FireTV metadata was incomplete when Twonky DMR was already started during discovery

- FireTV metadata was missing when showing DIAL devices in renderer list was enabled after discovery was completed
- enabled IPv6 support by default for iOS & Android
- fixed a bug with IPv6-clients not beeing able to access the server. All IPv6-clients are now enabled by default
- fixed a deadlock when application creates server context in state callback [Android only]
- fixed an issue where Android Chromecast LDMR reports error when playback is started for the first time and anytime when playback is stopped [Android only]
- fixed an issue where Chromecast receiver app didn't close when beaming was stopped. [Android only]
- fixed an issue where LocalServer doesn't start on some Android devices [Android only]
- fixed an issue where MediaObjectMetadata was sometimes returning thumbnail image as direct media item for video or audio [Android only]
- fixed an issue where deleting files with Japanese file names from the local server wasn't working [iOS only]
- fixed an issue where shared directory has improper path after upgrading app [iOS only]
- fixed crash upon network change because volume was fetched from a non connected device [Android only]
- fixed detection of Samsung TV F and J series
- fixed identification of Apple TV
- fixed license-key deactivation when experiencing network errors on MAC Mini with activated Wi-Fi
- fixed possible crash when cloning large audio queues
- fixed possible hang when changing networks containing Apple TV
- fixed possible longer delays when retrieving properties from Apple TV
- fixed possible longer delays when retrieving properties from Roku
- fixed race-conditions in asynchronous function handling
- fixed that test LDMR sometimes did not fire play speed events
- fixed that the user-agent of the application set before the start of the stack was not properly appended to the default user-agent
- fixed that tm_dmscp_get_scaled_image_url returned invalid URLs for AV items and that scales below the smallest available thumbnail were not available from Twonky Server, tm_nmc_get_best_thumbnail_uri uses an improved logic to find an appropriate thumbnail
- picture beaming to "Twonky at Fire TV" was broken after system restart
- resolved problems when accessing the config-pages over IPv6 addresses
- seek is now done when queue is moved to Chromecast [Android only]
- sometimes the LDMR could not be network enabled after restarting the stack [Android and iOS only]

Known Issues

- cloning queue with multi-user items to other DMR does not work
- Roku does not support seek for music
- Twonky Server interferes AirTunes playback with Denon AVR-4311, as workaround disabling AppleTV support with disable_dmr_plugins=1 solves this
- beaming media from Mediatomb to Samsung TV D series does not work
- changes in twonky-startup.txt does not have any effect if application is upgraded in place on iOS
- only ASCII and Korean can be read from ASCII tagged MP3 metadata [Android only]
- cannot beam multiple items to Xbox One

Twonky Ref App

Twonky Ref App Android

Improvements

- added support for seeking from stopped state
- added user dialog in case of a critical error such as a missing license
- improved queue handling when deleting items from the queue
- improved support for Android 6.0 by adding new application permission that allows access to approximate location

Bug Fixes

- fixed an issue where changing logging settings didn't have any effect
- fixed an issue where folder thumbnails for images were shown in wrong aspect ratio
- fixed an issue where local renderer was lost during restart
- fixed an issue where local video was shown in wrong aspect ratio
- fixed an issue where videos taken with Android 6 using the device camera were not shown in Ref App
- fixed crash when loading images

Known Issues

- DTCP content playback stops when user performs seek
- DTCP content playback stops when user resumes paused playback
- indicator is missing which video is playing in the queue for premium video
- local renderer setting remains disabled after setting it private in general settings
- progress is not shown correctly for premium video
- seeking forward to the end of the song stops playback on Apple TV
- transferring back beaming to local device doesn't work for premium video
- user cannot resume to play the content after sleep

Twonky Ref App iOS

Improvements

- added example custom URI implementation for beaming HTTP URLs
- added support for playFromPosition hook in local renderer
- added user dialog in case of a critical error such as a missing license
- improved queue handling when deleting items from the queue

Bug Fixes

- fixed an issue where it took long time for UI to update after seeking
- fixed an issue where queue list is cleared when phone goes into sleep mode
- fixed an issue with local renderer property change notifications when renderer is enabled after being disabled
- fixed issue where loaded album art was of incorrect size
- fixed DMR control view state restoration

Known Issues

- DTCP content playback stops when user performs seek
- DTCP content playback stops when user resumes paused playback
- app crashes after video playback when waking up device
- app crashes when it downloads a content after sleep
- app displays wrong status for download after app resumes
- app freezes if user taps [Select All] and [Clear Queue] continuously
- seeking forward to the end of the song stops playback on Apple TV