

Twonky SDK 8.0.0

Twonky Server

Based on 7.2.5

New features

- VidiPath (formerly known as CVP-2):
 - DIAGE added
 - EnergyManagement:1 service added
 - MPEG Dash server side support added
 - low power endpoint added
 - DLNA DTCP-DASH-profile support added

Improvements

- TLS
 - TLS-extensions (RFC 4366) for CVP-2
 - certificates issued by CyberTrust are accepted
 - improved version-handling of different TLS versions
 - support for X509 certificates with EC-DSA
- VidiPath
 - AVC_MP4_MP_SD profile support added
 - DASH_AVC_MP4_HD and DASH_AVC_TS_HD_ISO profiles supported
 - improved RUIHSRC to offer only existing playspeed values
- MPEG_DASH over DTCP
- MPEG_DASH over RUIHS
- string pool performance improved
- device adaption can now handle different aspect ratio requirements from different devices
- improved WD TV photo browsing performance when convert is not installed
- improved robustness and mem usage of persistent views
- sanity checks for INI file settings of Twonky Server are now done before Twonky Server is started or initialized
- scale mode can now be specified by client as part of JPEG URLs
- thumbnail generation tool for mp4 videos now available on Mac
 - timeseek support for
 - AAC_ADTS_320 and AAC_ISO_320 added
 - AVC_MP4_MP_SD and AVC_MP4_HP_HD added
- unused pv:crosslink properties have been remove to reduce memory consumption and improve performance
- improved CMS:GetProtocolInfo to create the ProtocolInfo dynamically based on the shared content.
- location of 'mediaserver.pid' is now configurable on Linux.
- webUI: renderer controller now supports seek

Bug fixes

- fixed music playback for AppleTV
- removed confidential information from logging for multi user mode
- missing HW-AES initialization added to fix hardware AES support
- Mac Uninstall does now remove the "Twonky Library"
- added DTCP_ prefix for non-mpeg files
- added missing childcounts to XML
- always enable time-peek for MPEG_TS_JP_T to pass CTT
- cleanup db/watch files after share folder removed
- first change of settings on Mac no longer requires restart
- fixed DTCP-IP MPEG streaming, frame-alignment can be no longer beyond content-size
- fixed aspect ratio in Album Art extractor/generator
- fixed content-length for DTCP playspeed file
- fixed offset calculation for negative playspeed values
- fixed playspeed support with DTCP
- fixed proxy module not properly shutting down
- fixed that Twonky Server did not restart the sddp thread after changes to the ini file

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QA information

CTT 2.0.0.05 passed
MCVT 2.0.0.3 passed
UPnP CTT 2.0.51 passed
LPTT 1.22.4 passed
LPTT CVP 2.0.16 passed

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- fixed that Twonky Server terminated with a critical error when deactivating the upload feature with an rpc call
- fixed timeseek for audio required for RUIHSRC
- fixed wrong DLNA profile for O-AVC_MP4_HP_HD-07
- if secure_folder could not be created the server terminates now properly
- video thumbnails do now honor the aspect ratio of the video
- views-cache is cleared during database-rebuild
- webUI is now able to display All Photos when more than 30000 photos are shared

Known issues

- auto update of Device DB requires a server restart
- nested folders can cause issues with multi-user setup
- sometimes webUI with Opera does not show any thumbnails
- thumbnails of rotated images do not show up correctly in webUI
- upgrading the server on Windows creates database files in the root directory

Twonky Client Components

Based on 7.2.5

New features

- CVP-2: DIAGE added
- added ChromeCast support
- added INI_CHROMECAST_RECEIVER_APP_ID for Chromecast configuration
- added cloud services support
- added isAccountRoot, isConfigured and isOnlineService metadata for cloud services
- added new APIs for authorizeURL and handle authCallback for cloud services
- added option to disable AirPlay and/or Roku LDMR
- Android: added ChromeCast device discovery and LDMR creation functionality
- Android: implemented beaming of image content to ChromeCast
- Android: implemented beaming of video and audio content to ChromeCast
- iOS: added ChromeCast device discovery and LDMR creation functionality
- iOS: implemented beaming of image content to ChromeCast
- iOS: implemented beaming of video and audio content to ChromeCast

QA information

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Improvements

- TLS: TLS-extensions (RFC 4366) for CVP-2
- TLS: certificates issued by CyberTrust are accepted
- TLS: improved version-handling of different TLS versions
- TLS: support for X509 certificates with EC-DSA
- string pool performance improved
- LDMR device description may contain 3rd party namespaces
- added delayed resolving to the proxy
- added event on change of playspeed
- added that when sleep mode is on/off LDMS detected/lost events are send accordingly
- added tm_dmrcp_get_scaled_image_url(),
 tm_queue_get_scaled_image_url(),
 tm_dmscp_get_scaled_image_url()
- changed tm_dmrcp_get_playspeed to return current playspeed of renderers
- improved proxy buffering for online content
- no longer sending thumbnails of unsupported items to renderers
- no longer using the app context in async API, so that it can be freed without waiting for the callback
- added isSameDevice() method to Android SDK ServerContext

- added item resource selection callback to LocalRenderer API
- iOS: added NMCServerContext::getCountAsync API
- iOS: changed DownloadManager target download folder

Bug Fixes

- fixed music playback for AppleTV
- fixed an issue where after last video in the queue AppleTV doesn't return directly to home screen
- fixed cache cleaner to clean only old data
- fixed issue which queue cloning when both renderers are remote
- fixed proxy to handle charset in mime type properly
- fixed res element for direct url to not include zero content length
- fixed server update notification originated from online services
- fixed that beaming to Roku sometimes stops after 45 seconds
- fixed DTCP key pack write method to prevent potential data corruption due to power off
- fixed an issue where beaming images to Twonky DMR caused queue to stop working
- fixed the issue that an item from the previous queue still played after clearing the queue
- [iOS] Update TSDK-premium to use latest EnsureIT (5.2.3)
- fixed an issue with pause functionality when beaming images to local renderer
- fixed issue where invoking [PV DownloadManager DTCP Move cancel] may cause a crash
- fixed that de-selected Media Library/Photos were still accessible
- fixed the issue that after disabling/enabling all shares the item count remained zero
- iOS: database and other paths saved as absolute paths
- iOS: fixed a bug in NMCMetadata that prevented discovery of album art when AlbumArtURI was parsed as NSDictionary
- iOS: fixed an issue with metadata parsing in NMCMediaResource
- iOS: fixed video thumbnails
- missing HW-AES initialization added to fix hardware AES support
- removed confidential information from logging for multi user mode

Twonky Ref App for Android

Twonky Ref App for iOS