

Titanium SDK 7.3.1.RC Release Note

Titanium SDK 7.3.1.RC - 27 August 2018

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About this release

Titanium SDK 7.3.1.RC is a patch release of the SDK, addressing high-priority issues from previous releases.

As of this GA release, the previous Titanium SDK patch release is no longer supported. Note: major and minor releases continue to be supported according to their nominal lifetime. See [Axway Appcelerator Deprecation Policy](#) and [Nominal Lifetimes](#) documents for details.

Community credits

- Matthew Delmarter - [TIMOB-26237](#) - iOS: Local Notification Event not triggered when app is launched from the background
- Andreas Pingas - [TIMOB-26300](#) - iOS: Initializing Ti.UI.TextArea crashes app when running on kroll-thread
- kedomuz - [TIMOB-26325](#) - Android: Ti.UI.WebView not firing events in 7.x
- Luc-Edmond Gaspard - [TIMOB-26329](#) - Hyperloop: Android - Can't instantiate a CoordinatorLayout in SDK 7.3.0
- Donovan Lewis - [TIMOB-25941](#) - Android: HTTPClient downloads are slower compared to iOS

Fixed issues

Android platform

- [TIMOB-26130](#) - Android: Fix compatibility with NDK 12+
- [TIMOB-26280](#) - Android: Build for genymotion emulator fails with "Cannot set property 'child' of undefined" in node-titanium-sdk
- [TIMOB-26325](#) - Android: Ti.UI.WebView not firing events in 7.x

iOS platform

- [TIMOB-26237](#) - iOS: Local Notification Event not triggered when app is launched from the background
- [TIMOB-26300](#) - iOS: Initializing Ti.UI.TextArea crashes app when running on kroll-thread
- [TIMOB-26319](#) - iOS: "usernotificationsettings" does not include "types" array on iOS 10 and SDK 7.3.0

All platforms

- [TIMOB-26328](#) - Hyperloop: Android - Application freezes when trying to reopen window in 7.3.0
- [TIMOB-26329](#) - Hyperloop: Android - Can't instantiate a CoordinatorLayout in SDK 7.3.0

Improvements

- [TIMOB-25941](#) - Android: HTTPClient downloads are slower compared to iOS
 - Optimized HTTPClient download performance
 - Download performance improved by about 25%
 - Increased response buffer size from 4kb to 8kb
 - Removed undocumented event property `blob` from callback `ondatastream()`
 - Improves performance by avoiding extra buffer copy
 - This undocumented property does not exist on iOS
 - Modified `responseText` property handling only create its string when accessed
 - Synchronized file write to storage upon download completion

API changes

New APIs

The following APIs are new or have expanded platform support in Release 7.3.1 as of August 30th, 2018.

API	Type	Notes
Global.console.time	method	Start a timer to track d (iPhone and iPad.)
Global.console.timeEnd	method	Stop a timer that was p (iPhone and iPad.)
Titanium.Android.R.animator	property	Animator resources. S (New API, supported on Anc
Titanium.Android.R.bool	property	Boolean resources. Se (New API, supported on Anc
Titanium.Android.R.fraction	property	Fraction resources. Se (New API, supported on Anc
Titanium.Android.R.interpolator	property	Interpolator resources. (New API, supported on Anc
Titanium.Android.R.menu	property	Menu resources. See R (New API, supported on Anc
Titanium.Android.R.mipmap	property	Mipmap resources. Se (New API, supported on Anc
Titanium.Android.R.plurals	property	Plurals resources. See (New API, supported on Anc
Titanium.Android.R.raw	property	Raw resources. See R (New API, supported on Anc
Titanium.Android.R.transition	property	Transition resources. § (New API, supported on Anc
Titanium.Android.R.xml	property	XML resources. See R (New API, supported on Anc
Titanium.Android.Service.foregroundCancel	method	Puts the service into th (New API, supported on Anc
Titanium.Android.Service.foregroundNotify	method	Puts the service into th (New API, supported on Anc
Titanium.App.iOS.USER_NOTIFICATION_ALERT_STYLE_ALERT	property	A alert dialog is preser (New API, supported on iPhone a
Titanium.App.iOS.USER_NOTIFICATION_ALERT_STYLE_BANNER	property	A banner is presented (New API, supported on iPhone a
Titanium.App.iOS.USER_NOTIFICATION_ALERT_STYLE_NONE	property	No banner or alert dial (New API, supported on iPhone a
Titanium.App.iOS.USER_NOTIFICATION_AUTHORIZATION_STATUS_AUTHORIZED	property	The application is auth (New API, supported on iPhone a
Titanium.App.iOS.USER_NOTIFICATION_AUTHORIZATION_STATUS_DENIED	property	The application is not i (New API, supported on iPhone a
Titanium.App.iOS.USER_NOTIFICATION_AUTHORIZATION_STATUS_NOT_DETERMINED	property	The user has not yet n (New API, supported on iPhone a

Titanium.App.iOS.USER_NOTIFICATION_CATEGORY_OPTION_ALLOW_IN_CARPLAY	property	Allow CarPlay to displ iPhone and iPad.)
Titanium.App.iOS.USER_NOTIFICATION_CATEGORY_OPTION_CUSTOM_DISMISS_ACTION	property	Send dismiss actions t handling. (New API, su
Titanium.App.iOS.USER_NOTIFICATION_CATEGORY_OPTION_HIDDEN_PREVIEWS_SHOW_SUBTITLE	property	Show the notification's previews for the app. (
Titanium.App.iOS.USER_NOTIFICATION_CATEGORY_OPTION_HIDDEN_PREVIEWS_SHOW_TITLE	property	Show the notification's for the app. (New API,
Titanium.App.iOS.USER_NOTIFICATION_CATEGORY_OPTION_NONE	property	No options. (New API,
Titanium.App.iOS.USER_NOTIFICATION_SETTING_DISABLED	property	The notification setting
Titanium.App.iOS.USER_NOTIFICATION_SETTING_ENABLED	property	The notification setting
Titanium.App.iOS.USER_NOTIFICATION_SETTING_NOT_SUPPORTED	property	The application does r iPhone and iPad.)
Titanium.App.iOS.UserNotificationCenter	object	The top-level App iOS notificationsand receiv API, supported on iPh
Titanium.Filesystem.File.append	method	Appends data to the fil
Titanium.Filesystem.File.copy	method	Copies the file identifie iPhone and iPad.)
Titanium.Filesystem.File.createdAt	method	Returns the creation D for Android, iPhone an
Titanium.Filesystem.File.modifiedAt	method	Returns the last modifi support for Android, iP
Titanium.Geolocation.getShowBackgroundLocationIndicator	method	Gets the value of the T property. (New API, su
Titanium.Geolocation.setShowBackgroundLocationIndicator	method	Sets the value of the T property. (New API, su
Titanium.Geolocation.showBackgroundLocationIndicator	property	Specifies that an indic background location u
Titanium.UI.BLEND_MODE_CLEAR	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_COLOR	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_COLOR_BURN	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_COLOR_DODGE	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_COPY	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_DARKEN	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_DESTINATION_ATOP	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_DESTINATION_IN	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_DESTINATION_OUT	property	Use with MaskedImag Android, iPhone and iF

Titanium.UI.BLEND_MODE_DESTINATION_OVER	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_DIFFERENCE	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_EXCLUSION	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_HARD_LIGHT	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_HUE	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_LIGHTEN	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_LUMINOSITY	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_MULTIPLY	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_NORMAL	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_OVERLAY	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_PLUS_DARKER	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_PLUS_LIGHTER	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_SATURATION	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_SCREEN	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_SOFT_LIGHT	property	Use with MaskedImag iPhone and iPad.)
Titanium.UI.BLEND_MODE_SOURCE_ATOP	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_SOURCE_IN	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_SOURCE_OUT	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.BLEND_MODE_XOR	property	Use with MaskedImag Android, iPhone and iF
Titanium.UI.MaskedImage	object	A control that displays (Added support for An
Titanium.UI.TableView.getResultsBackgroundColor	method	Gets the value of the T (New API, supported c
Titanium.UI.TableView.getResultsSeparatorColor	method	Gets the value of the T (New API, supported c
Titanium.UI.TableView.getResultsSeparatorInsets	method	Gets the value of the T (New API, supported c
Titanium.UI.TableView.getResultsSeparatorStyle	method	Gets the value of the T (New API, supported c

Titanium.UI.TableView.getScrollable	method	Gets the value of the T for Android.)
Titanium.UI.TableView.resultsBackgroundColor	property	The background color iPhone and iPad.)
Titanium.UI.TableView.resultsSeparatorColor	property	Separator line color be triplet (iOS-only). (New
Titanium.UI.TableView.resultsSeparatorInsets	property	The insets for search r API, supported on iPh
Titanium.UI.TableView.resultsSeparatorStyle	property	The separator style of iPhone and iPad.)
Titanium.UI.TableView.scrollable	property	If true, the tableview
Titanium.UI.TableView.setResultsBackgroundColor	method	Sets the value of the T (New API, supported c
Titanium.UI.TableView.setResultsSeparatorColor	method	Sets the value of the T (New API, supported c
Titanium.UI.TableView.setResultsSeparatorInsets	method	Sets the value of the T (New API, supported c
Titanium.UI.TableView.setResultsSeparatorStyle	method	Sets the value of the T (New API, supported c
Titanium.UI.TableView.setScrollable	method	Sets the value of the T for Android.)
Titanium.UI.View.getHorizontalMotionEffect	method	Gets the value of the T API, supported on iPh
Titanium.UI.View.getVerticalMotionEffect	method	Gets the value of the T supported on iPhone a
Titanium.UI.View.horizontalMotionEffect	property	Adds a horizontal para iPad.)
Titanium.UI.View.setHorizontalMotionEffect	method	Sets the value of the T API, supported on iPh
Titanium.UI.View.setVerticalMotionEffect	method	Sets the value of the T supported on iPhone a
Titanium.UI.View.verticalMotionEffect	property	Adds a vertical parall iPad.)
Titanium.UI.WebView.getZoomLevel	method	Gets the value of the T supported on Android,
Titanium.UI.WebView.setZoomLevel	method	Sets the value of the T supported on Android,
Titanium.UI.WebView.zoomLevel	property	Manage the zoom-level iPhone and iPad.)
Titanium.UI.Window.getHomeIndicatorAutoHidden	method	Gets the value of the T (New API, supported c
Titanium.UI.Window.getNavigationWindow	method	Gets the value of the T API, supported on iPh
Titanium.UI.Window.homeIndicatorAutoHidden	property	Boolean value indicati indicator for returning t iPad.)
Titanium.UI.Window.navigationWindow	property	The Titanium.UI.iOS.N supported on iPhone a

Titanium.UI.Window.setHomeIndicatorAutoHidden	method	Sets the value of the T (New API, supported c
Titanium.UI.createMaskedImage	method	Creates and returns an for Android.)
Titanium.UI.iOS.MODAL_PRESENTATION_OVER_CURRENT_CONTEXT	property	View presented over it iPad.)
Titanium.UI.iOS.MODAL_PRESENTATION_OVER_CURRENT_FULL_SCREEN	property	Presented view covers
Titanium.UI.iOS.setMODAL_PRESENTATION_OVER_CURRENT_CONTEXT	method	Sets the value of the Titanium.UI.iOS.MOD/ property. (New API, su
Titanium.UI.iOS.setMODAL_PRESENTATION_OVER_CURRENT_FULL_SCREEN	method	Sets the value of the Titanium.UI.iOS.MOD/ property. (New API, su

Deprecated APIs

The following APIs are deprecated in Release 7.3.1 as of August 30th, 2018.

API	Type	Notes
Titanium.App.iOS.LocalNotification.cancel	method	Use Titanium.App.iOS.UserNotificationCenter.removePendingNotifications instead.
Titanium.App.iOS.cancelAllLocalNotifications	method	Use Titanium.App.iOS.UserNotificationCenter.removePendingNotifications instead.
Titanium.App.iOS.cancelLocalNotification	method	Use Titanium.App.iOS.UserNotificationCenter.removePendingNotifications instead.
Titanium.App.iOS.currentUserNotificationSettings	property	Use Titanium.App.iOS.UserNotificationCenter.requestUserNotificationSettings instead.
Titanium.App.iOS.getCurrentUserNotificationSettings	method	Use Titanium.App.iOS.UserNotificationCenter.requestUserNotificationSettings instead.
Titanium.Filesystem.File.createTimestamp	method	Use Titanium.Filesystem.File.createdAt instead.
Titanium.Filesystem.File.modificationTimestamp	method	Use Titanium.Filesystem.File.modifiedAt instead.
Titanium.UI.iOS.BLEND_MODE_CLEAR	property	Use Titanium.UI.BLEND_MODE_CLEAR instead.
Titanium.UI.iOS.BLEND_MODE_COLOR	property	Use Titanium.UI.BLEND_MODE_COLOR instead.
Titanium.UI.iOS.BLEND_MODE_COLOR_BURN	property	Use Titanium.UI.BLEND_MODE_COLOR_BURN instead.
Titanium.UI.iOS.BLEND_MODE_COLOR_DODGE	property	Use Titanium.UI.BLEND_MODE_COLOR_DODGE instead.
Titanium.UI.iOS.BLEND_MODE_COPY	property	Use Titanium.UI.BLEND_MODE_COPY instead.
Titanium.UI.iOS.BLEND_MODE_DARKEN	property	Use Titanium.UI.BLEND_MODE_DARKEN instead.
Titanium.UI.iOS.BLEND_MODE_DESTINATION_ATOP	property	Use Titanium.UI.BLEND_MODE_DESTINATION_ATOP instead.
Titanium.UI.iOS.BLEND_MODE_DESTINATION_IN	property	Use Titanium.UI.BLEND_MODE_DESTINATION_IN instead.
Titanium.UI.iOS.BLEND_MODE_DESTINATION_OUT	property	Use Titanium.UI.BLEND_MODE_DESTINATION_OUT instead.
Titanium.UI.iOS.BLEND_MODE_DESTINATION_OVER	property	Use Titanium.UI.BLEND_MODE_DESTINATION_OVER instead.
Titanium.UI.iOS.BLEND_MODE_DIFFERENCE	property	Use Titanium.UI.BLEND_MODE_DIFFERENCE instead.

Titanium.UI.iOS.BLEND_MODE_EXCLUSION	property	Use Titanium.UI.BLEND_MODE_EXCLUSION instead.
Titanium.UI.iOS.BLEND_MODE_HARD_LIGHT	property	Use Titanium.UI.BLEND_MODE_HARD_LIGHT instead.
Titanium.UI.iOS.BLEND_MODE_HUE	property	Use Titanium.UI.BLEND_MODE_HUE instead.
Titanium.UI.iOS.BLEND_MODE_LIGHTEN	property	Use Titanium.UI.BLEND_MODE_LIGHTEN instead.
Titanium.UI.iOS.BLEND_MODE_LUMINOSITY	property	Use Titanium.UI.BLEND_MODE_LUMINOSITY instead.
Titanium.UI.iOS.BLEND_MODE_MULTIPLY	property	Use Titanium.UI.BLEND_MODE_MULTIPLY instead.
Titanium.UI.iOS.BLEND_MODE_NORMAL	property	Use Titanium.UI.BLEND_MODE_NORMAL instead.
Titanium.UI.iOS.BLEND_MODE_OVERLAY	property	Use Titanium.UI.BLEND_MODE_OVERLAY instead.
Titanium.UI.iOS.BLEND_MODE_PLUS_DARKER	property	Use Titanium.UI.BLEND_MODE_PLUS_DARKER instead.
Titanium.UI.iOS.BLEND_MODE_PLUS_LIGHTER	property	Use Titanium.UI.BLEND_MODE_PLUS_LIGHTER instead.
Titanium.UI.iOS.BLEND_MODE_SATURATION	property	Use Titanium.UI.BLEND_MODE_SATURATION instead.
Titanium.UI.iOS.BLEND_MODE_SCREEN	property	Use Titanium.UI.BLEND_MODE_SCREEN instead.
Titanium.UI.iOS.BLEND_MODE_SOFT_LIGHT	property	Use Titanium.UI.BLEND_MODE_SOFT_LIGHT instead.
Titanium.UI.iOS.BLEND_MODE_SOURCE_ATOP	property	Use Titanium.UI.BLEND_MODE_SOURCE_ATOP instead.
Titanium.UI.iOS.BLEND_MODE_SOURCE_IN	property	Use Titanium.UI.BLEND_MODE_SOURCE_IN instead.
Titanium.UI.iOS.BLEND_MODE_SOURCE_OUT	property	Use Titanium.UI.BLEND_MODE_SOURCE_OUT instead.
Titanium.UI.iOS.BLEND_MODE_XOR	property	Use Titanium.UI.BLEND_MODE_XOR instead.