

# Titanium SDK 7.0.0.GA Release Note

## Titanium SDK 7.0.0.GA - 8 December 2017

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## About this release

Titanium SDK 7.0.0.GA is a major release of the SDK, addressing high-priority issues from previous releases. Highlights for this release include integration of Hyperloop in the SDK core and introduction of Appcelerator Daemon.

As of this release, Titanium SDK 6.x will not be supported one calendar year from 7.0.0.GA's release date. See [Axway Appcelerator Deprecation Policy](#) and [Nominal Lifetimes](#) documents for details.



Support for Windows 8.1 and Windows Phone SDKs has been deprecated as of SDK 6.3.0.GA and has been removed in SDK 7.0.0.GA

## Appcelerator Daemon

The Appcelerator Daemon is a server that runs on the developer's computer and hosts services which power the tooling for Axway products such as Titanium SDK. The Appcelerator Daemon aims to solve tooling issues by introducing a robust, flexible, and consistent foundation for implementing product tooling. It does this by providing plugins that define services which are exposed via the built-in web server to any HTTP, WebSocket, Node.js client, or shell script. The Appcelerator Daemon is designed to be highly decoupled. All product-specific logic is run inside a plugin while the Appcelerator Daemon provides core functionality to plugins such as file system watching and spawning subprocesses.

## Notice of feature and behavior Changes

- [Integrated Hyperloop into SDK core](#)
  - [TIMOB-25058](#) - Begin making hyperloop part of the core SDK (and using it for SDK development)
  - [TIMOB-25059](#) - Add Hyperloop to pre-packaged native modules listing in the SDK
  - [TIMOB-25060](#) - Build Android hyperloop against SDK 7.0.0 / v8 5.7+
- [TIMOB-25459](#) - Android: toImage method needs parity with iOS
  - The `toImage` method has changed for iOS with this release. Test case:

```

var win = Ti.UI.createWindow();
var view = Ti.UI.createView({backgroundColor: 'green', width: 150, height:
150, top: 100});
var content = Ti.UI.createView({backgroundColor: 'blue', width: 45, height:
45});
var imageView = Ti.UI.createImageView({width: 150, height: 150, top: 300});

view.add(content);
win.add(view);
win.addEventListener('postlayout', function() {
  view.toImage(function(blob) {
    imageView.setImage(blob);
  });
});

win.add(imageView);
win.open();

```

- [TIMOB-23958](#) - Remove deprecated Python and unused files
  - Removed Python dependency
- [TIMOB-24593](#) - TiAPI: Update Facebook-SDKs to 4.22, support Graph v2.9
  - Update Android Facebook SDK to 4.20.0 and iOS Facebook SDK to 4.20.2

## New features

### Android platform

- [TIMOB-17340](#) - TiAPI: Text - Add lineHeight property to Ti.UI.Label and Ti.Ui.TextArea
  - Added `Ti.UI.ATTRIBUTE_BASELINE_OFFSET` support to `AttributedString` (controls line height in Labels, TextFields, and TextAreas)
- [TIMOB-23802](#) - Android N: Expose Sustained Performance API for Nexus devices
  - Added support for `sustainedPerformanceMode`
- [TIMOB-23903](#) - Android: Update V8 runtime to 5.7.492.71
  - Updated Android's runtime to build against V8 5.7.492.71. Details about the V8 update can be found here: <https://v8project.blogspot.com>.
- [TIMOB-24510](#) - Android N: Implement support for Custom quick settings tiles
  - Add support for custom quick settings tiles in Android N and above
- [TIMOB-24639](#) - Android: Support TextInputLayout
  - Allow animated hintType to be set using `attributedHintText` although attributes will be ignored (Android limitation)
  - Always respect `height` property
  - Set `EditText` background color to transparent
- [TIMOB-24723](#) - Android: Support V8 inspector API for debugging to replace "legacy" debugger protocol
  - Added support for V8 inspector for debugging
- [TIMOB-24963](#) - Android: Add `scrollToTop()` to `ScrollView`
  - Added `scrollToTop()` to `ScrollView`

### iOS platform

- [TIMOB-10787](#) - iOS: Expose UDID replacements available in iOS6
  - Added support for UDID replacement

### Windows platform

- [TIMOB-24964](#) - Windows: Add `scrollToTop()` to `ScrollView`
  - Added `scrollToTop()` to `ScrollView`
- [TIMOB-25233](#) - Windows: Feature request - Ti.UI.TextField `setSelection` method
  - Added Windows parity for `setSelection` of `Ti.UI.TextFields`
- [TIMOB-25234](#) - Windows: Feature request - Ti.UI.TextField `clearButtonMode`

- Added Windows parity for `clearButtonMode` of `Ti.UI.TextFields`
- TIMOB-25235 - Windows: Feature request - `Ti.UI.TextField` blur method
  - Added Windows parity for `blur` of `Ti.UI.TextField`
- TIMOB-25236 - Windows: Feature request - `Ti.UI.TEXT_ALIGNMENT_JUSTIFY`
  - Added Windows parity for `Ti.UI.TEXT_ALIGNMENT_JUSTIFY`
- TIMOB-25237 - Windows: Feature request - `Ti.UI.Picker` `borderColor` property
  - Added Windows parity for `borderColor` of `Ti.UI.Picker`
- TIMOB-25250 - Windows: Feature request - `Ti.UI.ActivityIndicator.style/ Titanium.UI.ActivityIndicator.indicatorDiameter`
  - Added Windows parity for `Ti.UI.ActivityIndicator.style` and `Titanium.UI.ActivityIndicator.indicatorDiameter`
- TIMOB-25303 - Windows: Feature request - `Ti.UI.Picker` font property
  - Added Windows parity for `Ti.UI.Picker` of `Ti.UI.PICKER_TYPE_DATE`
- TIMOB-25345 - Windows: Prevent app from suspension
  - Implemented extended execution to prevent suspension
- TIMOB-25400 - Update module `apiversion`
  - Updated `apiversion` to use "4" for SDK 7.0.0

## Multiple platforms

- TIMOB-14795 - TiAPI: Add "parent" property for all `Ti.UI.View` subclasses
  - Added support for `parent` property for `Ti.UI.View`

## Community credits

We would like to thank the community for their assistance on the following tickets:

- Luc-Edmond Gaspard
  - TIMOB-25382 - Android: Wrong thread error in `DrawerLayout` when not running on main thread
- David van de Meer
  - TIMOB-23645 - Android notification: allow to set color of background
- Sergey Volkov
  - TIMOB-25051 - Android. `persistentObjects` leak
- Michael Gangolf
  - TIMOB-24963 - Android: Add `scrollToTop()` to `ScrollView`
  - TIMOB-17340 - TiAPI: Text - Add `lineHeight` property to `Ti.UI.Label` and `Ti.Ui.TextArea`
  - TIMOB-24426 - Remove "Alert" title from `alert()`
- Brian G Galvez
  - TIMOB-24327 - iOS: Implement `AllowsMultipleSelectionWhenEditing` and `getSelectedRow` in `ListView`

## Fixed issues

### Android

- TIMOB-6392 - Android: `Ti.UI.Button` text values with too many displayable characters draw improperly
- TIMOB-9680 - Android: Textfield: The focus on textfield does not happen through textfield focus method
- TIMOB-10070 - Android: Landscape Left/Right handling is backwards
- TIMOB-11709 - Android: `String.formatTime` causes app crash when date is string.
- TIMOB-18500 - Android: `event.cancel` not set properly for `optionsDialog`
- TIMOB-19878 - Orientation Change is not correctly detected on Android
- TIMOB-20439 - Android: Using camera bloats app storage
- TIMOB-23996 - Android: Can't package android modules with NDK r13 & r14
- TIMOB-24297 - Android native modules build is getting failed with Android NDK r13b
- TIMOB-24537 - TI Gestures not firing even on orientation change on Android
- TIMOB-24679 - Android: Deprecate invalid proxy constants in 7.0.0
- TIMOB-24866 - Android: Setting a `TextField`'s "padding" resets its alignment to left/center
- TIMOB-24937 - Android: Default module manifest template uses wrong API version
- TIMOB-25021 - Android: Unable to release weak global references
- TIMOB-25051 - Android. `persistentObjects` leak
- TIMOB-25160 - Android O : CLI does not detect android O device's model & shows "android device" when "appc ti info" is run
- TIMOB-25225 - Android: Touch Id authentication issue
- TIMOB-25241 - Android: `Ti.Network.createHTTPClient` log 404 : Not Found error in application log
- TIMOB-25242 - Android: `V8Exception` on launch
- TIMOB-25323 - Android: Application can crash after exiting
- TIMOB-25324 - Android: `AssetManager` will release when suspended to background
- TIMOB-25374 - `borderColor` not visible on Android `tiSDK 6.2.2`
- TIMOB-25382 - Android: Wrong thread error in `DrawerLayout` when not running on main thread
- TIMOB-25384 - Android: `extendBackground` extends the screen below soft system navigation

- TIMOB-25398 - Android: Alert window does not appear with remote security policy when device is offline
- TIMOB-25456 - Android: Crash after calling Stringify on Ti.UI.Window
- TIMOB-25462 - Android: webview userAgent doesn't change
- TIMOB-25467 - Android: "Ti.UI.Window.orientation" should return screen orientation in split-screen mode
- TIMOB-25471 - TableView : java.lang.NullPointerException: Attempt to invoke virtual method 'boolean java.util.HashMap.containsKey(java.lang.Object)' on a null object reference
- TIMOB-25487 - Android: Prevent kroll from removing null proxy object pointer
- TIMOB-25501 - Android: App crash on receiving notification if app in background
- TIMOB-25514 - Android: Vertical ScrollView.scrollTo() goes to wrong position when animated as of 6.2.2
- TIMOB-25515 - Android: ScrollView.scrollTo() ignores "ti.ui.defaultunit" when animated
- TIMOB-25525 - Android: Textfield focus issue with multiple textfields
- TIMOB-25546 - Android: Simple Code Crash after installing Titanium SDK 7.0.0 Beta

## iOS

- TIMOB-9111 - TiAPI: Ti.Utils.base64encode() modified to not insert newlines in returned result
- TIMOB-19040 - iOS9: Replace MPMoviePlayerController in Ti.Media.VideoPlayer with AVPlayerViewController
- TIMOB-20404 - iOS: ProgressBar gets clipped in parent with height Ti.UI.SIZE
- TIMOB-24994 - iOS: Remove Ti.UI.iOS.AdView
- TIMOB-25005 - iOS: Remove Ti.UI.iPhone namespace
- TIMOB-25024 - iOS: Remove <iphone> section from tiapp.xml
- TIMOB-25449 - iOS: WebView content offset of 20 pixels when positioned at the top
- TIMOB-25459 - iOS: toImage method needs parity with Android & Windows
- TIMOB-25466 - setLargeTitleEnabled - unrecognized selector sent to instance
- TIMOB-25491 - iOS: Ti.UI.SearchBar not slide down when set visible a view on top
- TIMOB-25496 - iOS Document Viewer no longer allows sharing of pdf to other apps
- TIMOB-25504 - 2436h@3x Images on iPhone X are not used when -736h@3x exists
- TIMOB-25519 - iOS: App can crash with unhandled Analytics SQLite error

## Windows

- TIMOB-23291 - Windows: Random Values while trying to decrypt value using AES encryption on device
- TIMOB-24124 - Windows: Updating a tableView section with a headerView causes a layout issue
- TIMOB-24832 - Windows: Unable to set a footerView or headerView on a TableView after data has been set
- TIMOB-24858 - Windows: TableViewRow defaults to horizontal layout
- TIMOB-24863 - Windows: TableView.filterAttribute does not work
- TIMOB-24906 - Windows: Get an "Error device not found" error now and again when building to an Android emulator
- TIMOB-25013 - Windows: Asserting the value returned from getPersonByIdentifier crashes an application
- TIMOB-25027 - Windows: Remove deprecated property Ti.UI.View.enabled
- TIMOB-25038 - (Windows) When "SearchBar.showCancel" Is used and the "X" is pressed text is removed but not "X"
- TIMOB-25255 - Windows: Setting label.color to null causes label text to become transparent
- TIMOB-25257 - Windows: Crash when adding tableView back to window
- TIMOB-25275 - Windows: index property of TableView click event should be index of whole TableView and not section
- TIMOB-25281 - Windows: Ti.Media.saveToPhotoGallery does not accept a blob
- TIMOB-25282 - Windows: saveToPhotoGallery throws exception
- TIMOB-25291 - Windows: Calling send with data will upgrade from a GET to a POST
- TIMOB-25325 - Windows: Click event of Button does not provide X, Y coordinates
- TIMOB-25326 - Windows: image property of ListItem should not overlay text
- TIMOB-25327 - Windows: currentPage property of scrollableView.scrollend event is always 0
- TIMOB-25460 - Windows: picker height not working
- TIMOB-25463 - Windows: Incorrect event's source.id when in separate controller

## Multiple platforms

- TIMOB-25010 - nodejs build script: npm install failing on linux and windows
- TIMOB-25016 - Allow node-ios-device to be installed on Windows and Linux
- TIMOB-25176 - CLI: SDK 7 broken on node 4
- TIMOB-25328 - CLI: Option "Enable Javascript Minification" break code from SDK >= 6.1.1.G.A

## Improvements

### Android

- TIMOB-10724 - Android: Modules: remove gperf as a build dependency
  - Removed gperf as an Android build dependency on Windows 7
- TIMOB-18441 - Android: Add CLI option to override keystore signature algorithm
  - Added --sigalg option in the CLI for overriding keystore signing algorithm

- [TIMOB-23645](#) - Android notification: allow to set color of background
  - Added `Color` to Android notification color behind icon
- [TIMOB-25353](#) - Android: Move Play Services into a module
  - Moved Google Play Services to `ti.play.services` module
- [TIMOB-25441](#) - Android: Support ARM64
  - Added native support for ARM64
- [TIMOB-25448](#) - Android: Update module build tools to compile with Java 7
  - Updated module build tools to support Java 7 language features
- [TIMOB-25483](#) - Android: Add `FACE_UP`/`FACE_DOWN` support to `Ti.Gesture`
  - Added support for `FACE_UP` and `FACE_DOWN` for Android
- [TIMOB-25498](#) - Android: Deprecate `getEventsInYear` and `getEventsInMonth`
  - Deprecated `getEventsInYear()` and `getEventsInMonth()` methods from `Ti.Calendar.Calendar`
- [TIMOB-25510](#) - Android: Lower min "targetSdkVersion" from 25 to 23
  - Due to file permission issues, this release pushed the `targetSdkVersion` back to 23

## iOS

- [TIMOB-23136](#) - iOS: Deprecate `TiJScore` / `Kroll-Thread` in `SDK-Core`
  - Deprecated `TiJScore`. `TiJScore` will be removed in SDK 8.0.0.
- [TIMOB-23495](#) - iOS: Support parent property on `Ti.Filesystem.File`
  - Added iOS parity for `Ti.Filesystem.File.parent` property
- [TIMOB-24327](#) - iOS: Implement `AllowsMultipleSelectionWhenEditing` and `getSelectedRow` in `ListView`
  - Implemented `AllowMultipleSelectionWhenEditing` property and `getSelectedRows` method
- [TIMOB-25195](#) - iOS: Improve native module template
  - Create new iOS modules in `ios/` instead of `iphone/`
  - Use recommended build-settings like post-processing and assert-removal
  - Refactored the default readme attached to a module
  - Refactored and linted the default templates to match our clang-format
  - Prevent the [README.md](#) from the `platform/` directory from being zipped
  - Added a `.gitignore` for default ignored files and directories
  - Updated the default license-headers to match Axway
- [TIMOB-25279](#) - iOS: Clean-up Titanium core, resolve all compiler warnings
  - Improved on the following Xcode 9 features:
    - Static analyser warnings
    - Fix some "missing localization" warnings by using `NSLocalizedString`
    - Fix unreachable code

## Windows

- [TIMOB-24426](#) - Remove "Alert" title from `alert()`
  - Removed the "Alert" title from `alert()` function
- [TIMOB-24975](#) - Windows: `SearchBar` should show No Results text if there are no results in a search
  - `SearchBar` now displays "No Results" if there are no results from a search
- [TIMOB-25433](#) - Windows: Auto-detect requirement of `cmake` needing to be rerun in module build
  - Added feature that automatically builds the `cmake` directory if it doesn't exist. Use the `--run-cmake` command.

## Multiple platforms

- [TIMOB-24000](#) - CLI: Module build should error if the `apiversion` in manifest does not match the SDK's `apiversion`
  - Added feature that the module build will announce an error if the `apiversion` in the manifest does not match the SDK's `apiversion`
- [TIMOB-25561](#) - CLI: Module build should error if the `apiversion` in manifest does not match the SDK's `apiversion`
  - Module build will throw an error if the `apiversion` is incorrect
- [TIMOB-25562](#) - CLI: Automatically migrate native Android modules to SDK 7 during module-build
  - Added feature that will migrate older module's `apiversion`, `minsdk`, and `version` and create a backup of the manifest file (`manifest.bak`)

## Known issues

- SDK 7.0.0 does not support node.js 9
- [DAEMON-209](#) - Studio: iOS SDK home not found and `NullPointerException`
  - There's a bug in `ioslib` when it tries to build the list of teams. If one of the provisioning profiles does not have any teams, then the `teamids` will be null. The code that builds the unique list of teams expects teams to be an array.
  - To manually fix this issue, follow these steps:
    1. Close Appcelerator Studio.
    2. Open a terminal.
    3. Stop the daemon: `appc appcd stop`
    4. Change directories into the appcelerator package: `cd ~/.appcelerator/install/7.0.0/package`

5. Install the update for ioslib: `npm install ioslib@next`
6. Reopen Studio.

## API changes

### New APIs

The following APIs are new or have expanded platform support in Release 7.0.0 as of December 8th, 2017.

API	Type	Notes
Titanium.Android.IMPORTANCE_DEFAULT	property	Used with NotificationChannel to specify an importance level. (New API, supported on Android.)
Titanium.Android.IMPORTANCE_HIGH	property	Used with NotificationChannel to specify an importance level. (New API, supported on Android.)
Titanium.Android.IMPORTANCE_LOW	property	Used with NotificationChannel to specify an importance level. (New API, supported on Android.)
Titanium.Android.IMPORTANCE_MAX	property	Used with NotificationChannel to specify an importance level. (New API, supported on Android.)
Titanium.Android.IMPORTANCE_MIN	property	Used with NotificationChannel to specify an importance level. (New API, supported on Android.)
Titanium.Android.IMPORTANCE_NONE	property	Used with NotificationChannel to specify an importance level. (New API, supported on Android.)
Titanium.Android.IMPORTANCE_UNSPECIFIED	property	Used with NotificationChannel to specify an importance level. (New API, supported on Android.)
Titanium.Android.Notification.color	property	Accent color used behind icon. (New API, supported on Android.)
Titanium.Android.Notification.getColor	method	Gets the value of the Titanium.Android.Notification.color property. (New API, supported on Android.)
Titanium.Android.Notification.setColor	method	Sets the value of the Titanium.Android.Notification.color property. (New API, supported on Android.)
Titanium.Android.NotificationChannel	object	Module for notification channels. (New API, supported on Android.)
Titanium.Android.QuickSettingsService	object	Android service for creating custom quick settings tiles and handling user's interaction with them. (New API, supported on Android.)
Titanium.Android.TILE_STATE_ACTIVE	property	QuickSettings tile is active. (New API, supported on Android.)
Titanium.Android.TILE_STATE_INACTIVE	property	QuickSettings tile is inactive. (New API, supported on Android.)
Titanium.Android.TILE_STATE_UNAVAILABLE	property	QuickSettings tile is unavailable. (New API, supported on Android.)
Titanium.Media.VIDEO_SCALING_RESIZE	property	Specifies that the video should be stretched to fill the bounds of layer. (New API, supported on iPhone and iPad.)
Titanium.Media.VIDEO_SCALING_RESIZE_ASPECT	property	Specifies that the player should preserve the aspect ratio of video and fit the video within the bounds of layer. (New API, supported on iPhone and iPad.)
Titanium.Media.VIDEO_SCALING_RESIZE_ASPECT_FILL	property	Specifies that the player should preserve the aspect ratio of video and fill the bounds of layer. (New API, supported on iPhone and iPad.)
Titanium.Media.VideoPlayer.getShowsControls	method	Gets the value of the Titanium.Media.VideoPlayer.showsControls property. (Added support for iPhone and iPad.)

Titanium.Media.VideoPlayer.setShowsControls	method	Sets the value of the Titanium.Media.VideoPlayer.showsControls property. (Added support for iPhone and iPad.)
Titanium.Media.VideoPlayer.showsControls	property	Whether or not the receiver shows playback controls. Default is true. (Added support for iPhone and iPad.)
Titanium.Platform.getIdentifierForAdvertising	method	Gets the value of the Titanium.Platform.identifierForAdvertising property. (New API, supported on iPhone and iPad.)
Titanium.Platform.getIdentifierForVendor	method	Gets the value of the Titanium.Platform.identifierForVendor property. (New API, supported on iPhone and iPad.)
Titanium.Platform.getIsAdvertisingTrackingEnabled	method	Gets the value of the Titanium.Platform.isAdvertisingTrackingEnabled property. (New API, supported on iPhone and iPad.)
Titanium.Platform.identifierForAdvertising	property	An alphanumeric string unique to each device, used only for serving advertisements. (New API, supported on iPhone and iPad.)
Titanium.Platform.identifierForVendor	property	An alphanumeric string that uniquely identifies a device to the app's vendor. (New API, supported on iPhone and iPad.)
Titanium.Platform.isAdvertisingTrackingEnabled	property	A Boolean value that indicates whether the user has limited ad tracking. (New API, supported on iPhone and iPad.)
Titanium.Platform.setIdentifierForAdvertising	method	Sets the value of the Titanium.Platform.identifierForAdvertising property. (New API, supported on iPhone and iPad.)
Titanium.UI.ATTRIBUTE_BASELINE_OFFSET	property	Use with Attribute.type to apply a different baseline to the text. (Added support for Android.)
Titanium.UI.AUTOFILL_TYPE_ADDRESS	property	Specifies the expectation of an address. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_ADDRESS_CITY	property	Specifies the expectation of a city name. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_ADDRESS_CITY_STATE	property	Specifies the expectation of a city name combined with a state name. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_ADDRESS_LINE1	property	Specifies the expectation of the first line of a street address. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_ADDRESS_LINE2	property	Specifies the expectation of the second line of a street address. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_ADDRESS_STATE	property	Specifies the expectation of a state name. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_CARD_EXPIRATION_DATE	property	Specifies the expectation of a card expiration date. (New API, supported on Android.)
Titanium.UI.AUTOFILL_TYPE_CARD_EXPIRATION_DAY	property	Specifies the expectation of a card expiration day. (New API, supported on Android.)
Titanium.UI.AUTOFILL_TYPE_CARD_EXPIRATION_MONTH	property	Specifies the expectation of a card expiration month. (New API, supported on Android.)
Titanium.UI.AUTOFILL_TYPE_CARD_EXPIRATION_YEAR	property	Specifies the expectation of a card expiration year. (New API, supported on Android.)
Titanium.UI.AUTOFILL_TYPE_CARD_NUMBER	property	Specifies the expectation of a card number. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_CARD_SECURITY_CODE	property	Specifies the expectation of a card security code. (New API, supported on Android.)
Titanium.UI.AUTOFILL_TYPE_COUNTRY_NAME	property	Specifies the expectation of a country name. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_EMAIL	property	Specifies the expectation of an email address. (New API, supported on Android, iPhone and iPad.)

Titanium.UI.AUTOFILL_TYPE_FAMILY_NAME	property	Specifies the expectation of a family name. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_GIVEN_NAME	property	Specifies the expectation of a given name. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_JOB_TITLE	property	Specifies the expectation of a job title. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_LOCATION	property	Specifies the expectation of a location, such as a point of interest, an address, or another way to identify a location. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_MIDDLE_NAME	property	Specifies the expectation of a middle name. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_NAME	property	Specifies the expectation of a name. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_NAME_PREFIX	property	Specifies the expectation of a prefix or title, such as 'Dr.' (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_NAME_SUFFIX	property	Specifies the expectation of a suffix, such as 'Jr.' (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_NICKNAME	property	Specifies the expectation of a nickname. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_ORGANIZATION_NAME	property	Specifies the expectation of an organization name. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_PASSWORD	property	Specifies the expectation of a password. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_PHONE	property	Specifies the expectation of a telephone number. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_POSTAL_CODE	property	Specifies the expectation of a postal code. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_SUBLOCALITY	property	Specifies the expectation of a sublocality. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_URL	property	Specifies the expectation of a URL. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_USERNAME	property	Specifies the expectation of an account or login name. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.ListView.allowsMultipleSelectionDuringEditing	property	Determines whether multiple items of this list view can be selected at the same time while editing the table. (New API, supported on iPhone and iPad.)
Titanium.UI.ListView.getAllowsMultipleSelectionDuringEditing	method	Gets the value of the Titanium.UI.ListView.allowsMultipleSelectionDuringEditing property. (New API, supported on iPhone and iPad.)
Titanium.UI.ListView.getSelectedItems	method	Gets the value of the Titanium.UI.ListView.selectedItems property. (New API, supported on iPhone and iPad.)
Titanium.UI.ListView.selectedItems	property	Returns the selected list view items. (New API, supported on iPhone and iPad.)
Titanium.UI.ListView.setAllowsMultipleSelectionDuringEditing	method	Sets the value of the Titanium.UI.ListView.allowsMultipleSelectionDuringEditing property. (New API, supported on iPhone and iPad.)
Titanium.UI.ListView.setSelectedItems	method	Sets the value of the Titanium.UI.ListView.selectedItems property. (New API, supported on iPhone and iPad.)
Titanium.UI.ScrollView.getRefreshControl	method	Gets the value of the Titanium.UI.ScrollView.refreshControl property. (Added support for Android.)



Titanium.UI.ScrollView.refreshControl	property	View positioned above the first row that is only revealed when the user drags the scroll view contents down. (Added support for Android.)
Titanium.UI.ScrollView.scrollToTop	method	Moves the top of the scrollable region into the viewable area. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.ScrollView.setRefreshControl	method	Sets the value of the Titanium.UI.ScrollView.refreshControl property. (Added support for Android.)
Titanium.UI.TextArea.autofillType	property	Sets the autofill type for the text area. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.TextArea.getAutofillType	method	Gets the value of the Titanium.UI.TextArea.autofillType property. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.TextArea.getHintType	method	Gets the value of the Titanium.UI.TextArea.hintType property. (New API, supported on Android.)
Titanium.UI.TextArea.hintType	property	Hint type to display on the text field. (New API, supported on Android.)
Titanium.UI.TextArea.setAutofillType	method	Sets the value of the Titanium.UI.TextArea.autofillType property. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.TextArea.setHintType	method	Sets the value of the Titanium.UI.TextArea.hintType property. (New API, supported on Android.)
Titanium.UI.TextField.autofillType	property	Sets the autofill type for the text field. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.TextField.getAutofillType	method	Gets the value of the Titanium.UI.TextField.autofillType property. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.TextField.getHintType	method	Gets the value of the Titanium.UI.TextField.hintType property. (New API, supported on Android.)
Titanium.UI.TextField.hintType	property	Hint type to display on the text field. (New API, supported on Android.)
Titanium.UI.TextField.setAutofillType	method	Sets the value of the Titanium.UI.TextField.autofillType property. (New API, supported on Android, iPhone and iPad.)
Titanium.UI.TextField.setHintType	method	Sets the value of the Titanium.UI.TextField.hintType property. (New API, supported on Android.)
Titanium.UI.Window.extendSafeArea	property	Specifies whether the content (subviews) of the window will render inside the safe-area or not. Only used in iOS 11.0 and later. (New API, supported on iPhone and iPad.)
Titanium.UI.Window.getExtendSafeArea	method	Gets the value of the Titanium.UI.Window.extendSafeArea property. (New API, supported on iPhone and iPad.)
Titanium.UI.Window.getLargeTitleDisplayMode	method	Gets the value of the Titanium.UI.Window.largeTitleDisplayMode property. (New API, supported on iPhone and iPad.)
Titanium.UI.Window.getLargeTitleEnabled	method	Gets the value of the Titanium.UI.Window.largeTitleEnabled property. (New API, supported on iPhone and iPad.)
Titanium.UI.Window.getSustainedPerformanceMode	method	Gets the value of the Titanium.UI.Window.sustainedPerformanceMode property. (New API, supported on Android.)
Titanium.UI.Window.largeTitleDisplayMode	property	The mode to use when displaying the title of the navigation bar. (New API, supported on iPhone and iPad.)
Titanium.UI.Window.largeTitleEnabled	property	A Boolean value indicating whether the title should be displayed in a large format. (New API, supported on iPhone and iPad.)
Titanium.UI.Window.setExtendSafeArea	method	Sets the value of the Titanium.UI.Window.extendSafeArea property. (New API, supported on iPhone and iPad.)

Titanium.UI.Window.setLargeTitleDisplayMode	method	Sets the value of the Titanium.UI.Window.largeTitleDisplayMode property. (New API, supported on iPhone and iPad.)
Titanium.UI.Window.setLargeTitleEnabled	method	Sets the value of the Titanium.UI.Window.largeTitleEnabled property. (New API, supported on iPhone and iPad.)
Titanium.UI.Window.setSustainedPerformanceMode	method	Sets the value of the Titanium.UI.Window.sustainedPerformanceMode property. (New API, supported on Android.)
Titanium.UI.Window.sustainedPerformanceMode	property	Maintain a sustainable level of performance. (New API, supported on Android.)
Titanium.UI.iOS.LARGE_TITLE_DISPLAY_MODE_ALWAYS	property	Always use a larger title when this item is top most. (New API, supported on iPhone and iPad.)
Titanium.UI.iOS.LARGE_TITLE_DISPLAY_MODE_AUTOMATIC	property	Automatically use the large out-of-line title based on the state of the previous item in the navigation bar. (New API, supported on iPhone and iPad.)
Titanium.UI.iOS.LARGE_TITLE_DISPLAY_MODE_NEVER	property	Never use a larger title when this item is top most. (New API, supported on iPhone and iPad.)

## Deprecated APIs

The following APIs are deprecated in Release 7.0.0 as of December 8th, 2017.

API	Type	Notes
Titanium.Calendar.Calendar.getEventsInMonth	method	Use Titanium.Calendar.Calendar.getEventsBetweenDates instead.
Titanium.Calendar.Calendar.getEventsInYear	method	Use Titanium.Calendar.Calendar.getEventsBetweenDates instead.
Titanium.Filesystem.File.getParent	method	Use the Titanium.Filesystem.File.parent property to receive a File reference instead. If you wish to receive the path, use the nativePath property of that reference instead.
Titanium.Geolocation.AUTHORIZATION_AUTHORIZED	property	Use Titanium.Geolocation.AUTHORIZATION_ALWAYS as advised by Apple.
Titanium.Media.VideoPlayer.backgroundView	property	Use Titanium.Media.VideoPlayer.overlayView instead.
Titanium.Media.VideoPlayer.getBackgroundView	method	Use Titanium.Media.VideoPlayer.overlayView instead.
Titanium.Media.VideoPlayer.getLoadState	method	On iOS, use Titanium.Media.VideoPlayer.moviePlayerStatus instead.
Titanium.Media.VideoPlayer.loadState	property	On iOS, use Titanium.Media.VideoPlayer.moviePlayerStatus instead.
Titanium.Media.VideoPlayer.setBackgroundView	method	Use Titanium.Media.VideoPlayer.overlayView instead.

## Removed APIs

The following APIs have been removed in Release 7.0.0 as of December 8th, 2017.

API	Type	Notes
Titanium.Calendar.STATUS_CANCELLED	property	Use Titanium.Calendar.STATUS_CANCELED instead.
Titanium.Media.CAMERA_AUTHORIZATION_NOT_DETERMINED	property	Use Titanium.Media.CAMERA_AUTHORIZATION_UNKNOWN instead.
Titanium.Media.VIDEO_CONTROL_DEFAULT	property	This property has been removed for iOS in Titanium SDK 7.0 as of the official deprecation by Apple.
Titanium.Media.VIDEO_CONTROL_EMBEDDED	property	This property has been removed for iOS in Titanium SDK 7.0 as of the official deprecation by Apple.
Titanium.Media.VIDEO_CONTROL_FULLSCREEN	property	This property has been removed for iOS in Titanium SDK 7.0 as of the official deprecation by Apple.

Titanium.Media.VIDEO_LOAD_STATE_PLAYTHROUGH_OK	property	This property has been removed for iOS in Titanium SDK 7.0 as of the official deprecation by Apple.
Titanium.Media.VIDEO_LOAD_STATE_STALLED	property	This property has been removed for iOS in Titanium SDK 7.0 as of the official deprecation by Apple.
Titanium.Media.VIDEO_MEDIA_TYPE_AUDIO	property	This property has been removed in Titanium SDK 7.0.0 as of official deprecation by Apple.
Titanium.Media.VIDEO_MEDIA_TYPE_NONE	property	This property has been removed in Titanium SDK 7.0.0 as of official deprecation by Apple.
Titanium.Media.VIDEO_MEDIA_TYPE_VIDEO	property	This property has been removed in Titanium SDK 7.0.0 as of official deprecation by Apple.
Titanium.Media.VIDEO_PLAYBACK_STATE_SEEKING_BACKWARD	property	This constant has been removed on iOS by using the official Apple AVPlayer that does not expose this functionality so far.
Titanium.Media.VIDEO_PLAYBACK_STATE_SEEKING_FORWARD	property	This constant has been removed on iOS by using the official Apple AVPlayer that does not expose this functionality so far.
Titanium.Media.VIDEO_SCALING_ASPECT_FILL	property	This property has been removed for iOS in Titanium SDK 7.0 as of the official deprecation by Apple.
Titanium.Media.VIDEO_SCALING_ASPECT_FIT	property	This property has been removed for iOS in Titanium SDK 7.0 as of the official deprecation by Apple.
Titanium.Media.VIDEO_SCALING_MODE_FILL	property	This property has been removed for iOS in Titanium SDK 7.0 as of the official deprecation by Apple.
Titanium.Media.VIDEO_SCALING_NONE	property	This property has been removed for iOS in Titanium SDK 7.0 as of the official deprecation by Apple.
Titanium.Media.VIDEO_SOURCE_TYPE_FILE	property	This property has been removed in Titanium SDK 7.0.0 as of official deprecation by Apple.
Titanium.Media.VIDEO_SOURCE_TYPE_STREAMING	property	This property has been removed in Titanium SDK 7.0.0 as of official deprecation by Apple.
Titanium.Media.VIDEO_SOURCE_TYPE_UNKNOWN	property	This property has been removed in Titanium SDK 7.0.0 as of official deprecation by Apple.
Titanium.Media.VideoPlayer.fullscreen	event	This event has been removed in Titanium SDK 7.0.0 as of the official deprecation by Apple.
Titanium.Media.VideoPlayer.fullscreen	property	This method has been removed for iOS in Titanium SDK 7.0.0 as of the official deprecation by Apple.
Titanium.Media.VideoPlayer.getFullscreen	method	This method has been removed for iOS in Titanium SDK 7.0.0 as of the official deprecation by Apple.
Titanium.Media.VideoPlayer.getMediaControlStyle	method	On iOS, use Titanium.Media.VideoPlayer.showsControls instead.
Titanium.Media.VideoPlayer.getSourceType	method	This method has been removed in Titanium SDK 7.0.0 as of the official deprecation by Apple.
Titanium.Media.VideoPlayer.mediaControlStyle	property	On iOS, use Titanium.Media.VideoPlayer.showsControls instead.
Titanium.Media.VideoPlayer.mediatypesavailable	event	This event has been removed in Titanium SDK 7.0.0 as of the official deprecation by Apple.
Titanium.Media.VideoPlayer.setFullscreen	method	This method has been removed for iOS in Titanium SDK 7.0.0 as of the official deprecation by Apple.
Titanium.Media.VideoPlayer.setMediaControlStyle	method	On iOS, use Titanium.Media.VideoPlayer.showsControls instead.
Titanium.Media.VideoPlayer.setSourceType	method	This method has been removed in Titanium SDK 7.0.0 as of the official deprecation by Apple.
Titanium.Media.VideoPlayer.sourcechange	event	This event has been removed in Titanium SDK 7.0.0 as of the official deprecation by Apple.

Titanium.Media.VideoPlayer.sourceType	property	This method has been removed in Titanium SDK 7.0.0 as of t official deprecation by Apple.
Titanium.Network.INADDR_ANY	property	
Titanium.UI.iPhone	object	Use the unified Titanium.UI.iOS namespace instead.
Titanium.UI.iPhone.ActivityIndicatorStyle	object	Use the Titanium.UI.ActivityIndicatorStyle constants instead (without the iPhone namespace).
Titanium.UI.iPhone.AlertDialogStyle	object	Use Titanium.UI.iOS.AlertDialogStyle instead.
Titanium.UI.iPhone.AnimationStyle	object	Use Titanium.UI.iOS.AnimationStyle instead.
Titanium.UI.iPhone.ListViewCellStyle	object	Use Titanium.UI.iOS.ListViewCellStyle instead.
Titanium.UI.iPhone.ListViewScrollPosition	object	Use Titanium.UI.iOS.ListViewScrollPosition instead.
Titanium.UI.iPhone.ListViewSeparatorStyle	object	Use Titanium.UI.TABLE_VIEW_SEPARATOR_STYLE_SINGLE_I and Titanium.UI.TABLE_VIEW_SEPARATOR_STYLE_NONI instead.
Titanium.UI.iPhone.ListViewStyle	object	Use Titanium.UI.iOS.ListViewStyle instead.
Titanium.UI.iPhone.ProgressBarStyle	object	Use Titanium.UI.iOS.ProgressBarStyle instead.
Titanium.UI.iPhone.RowAnimationStyle	object	Use Titanium.UI.iOS.RowAnimationStyle instead.
Titanium.UI.iPhone.ScrollIndicatorStyle	object	Use Titanium.UI.iOS.ScrollIndicatorStyle instead.
Titanium.UI.iPhone.SystemButton	object	Use Titanium.UI.iOS.SystemButton instead.
Titanium.UI.iPhone.SystemButtonStyle	object	Use Titanium.UI.iOS.SystemButtonStyle instead.
Titanium.UI.iPhone.SystemIcon	object	Use Titanium.UI.iOS.SystemIcon instead.
Titanium.UI.iPhone.TableViewCellStyle	object	Use Titanium.UI.iOS.TableViewCellStyle instead.
Titanium.UI.iPhone.TableViewScrollPosition	object	Use Titanium.UI.iOS.TableViewScrollPosition instead.
Titanium.UI.iPhone.TableViewSeparatorStyle	object	Use Titanium.UI.TABLE_VIEW_SEPARATOR_STYLE_SINGLE_I and Titanium.UI.TABLE_VIEW_SEPARATOR_STYLE_NONI instead.
Titanium.UI.iPhone.TableViewStyle	object	Use Titanium.UI.iOS.TableViewStyle instead.