

Titanium SDK 7.4.0.RC Release Note

Titanium SDK 7.4.0.RC - 6 September 2018

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About this release

Titanium SDK 7.4.0.RC is a minor release of the SDK that focuses on supporting iOS 12 and Xcode 10 updates.

As of this release, Titanium SDK 7.3.x will not be supported six months (2019-03-17) from 7.4.0.GA's release date. See [Axway Appcelerator Deprecation Policy](#) and [Nominal Lifetimes](#) documents for details.

New features

iOS platform

- [TIMOB-25708](#) - iOS: Support iOS 12 and Xcode 10
 - Implemented support Xcode 10 and iOS 12
- [TIMOB-26312](#) - iOS 12 : Expose new NSUserActivity APIs for Siri Intents
 - Added support NSUserActivity API
 - Sample app

```
var win = Ti.UI.createWindow({
  backgroundColor: '#fff'
});

var identifierBtn = Ti.UI.createButton({
  top: 100,
  title: 'Persistent Identifier'
});

var btn = Ti.UI.createButton({
  top: 200,
  title: 'Delete UserActivity for identifier'
});

var deleteBtn = Ti.UI.createButton({
  top: 300,
  title: 'Delete All UserActivity'
});

var itemAttr = Ti.App.iOS.createSearchableItemAttributeSet({
  itemContentType: Ti.App.iOS.UITYPE_IMAGE,
  title: 'Titanium Siri Shortcut Tutorial',
  contentDescription: 'Tech Example \nOn: ' + (new
Date().toLocaleString()),
});
```

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[source](#)

```
var activity = Ti.App.iOS.createUserActivity({
  activityType: 'com.appcelerator.titanium',
  title: 'Siri shortcut activity',
  userInfo: {
    msg: 'hello world'
  },
  eligibleForSearch: true,
  eligibleForPrediction: true,
  persistentIdentifier: 'titanium_siri_identifier'
});

activity.addContentAttributeSet(itemAttr);

if (!activity.isSupported()) {
  alert('User Activities are not supported on this device!');
} else {
  activity.becomeCurrent();

  Ti.App.iOS.addEventListener('continueactivity', function(e) {
    Ti.API.info('continueactivity called');
    if (e.activityType === 'com.appcelerator.titanium' && e.userInfo.msg) {
      alert(e.userInfo.msg);
    }
  });
}

activity.addEventListener('useractivitydeleted', function(e) {
  Ti.API.info('useractivitydeleted called');
  alert('user activity deleted');
});

btn.addEventListener('click', function() {

  activity.deleteSavedUserActivitiesForPersistentIdentifiers('titanium_siri_i
  dentifier');
});

identifierBtn.addEventListener('click', function() {
  Ti.API.info('persistent identifier is: ' +activity.persistentIdentifier);
  Ti.API.info('\neligibleForPrediction is: '
+activity.eligibleForPrediction);
});

deleteBtn.addEventListener('click', function() {
  activity.deleteAllSavedUserActivities();
});

win.add(identifierBtn);
```

```
win.add(btn);
win.add(deleteBtn);
win.open();
```

Fixed issues

- [TIMOB-25226](#) - Xcode 9/10: Support using new build-system
- [TIMOB-26096](#) - iOS 12: Simulator does not boot with Xcode 10
- [TIMOB-26097](#) - Hyperloop: iOS 12 - Using CocoaPods in Hyperloop does not work with Xcode 10
- [TIMOB-26103](#) - iOS 12: Support grouped notifications
- [TIMOB-26109](#) - Xcode 10: Cannot build modules with the new (default) build system
- [TIMOB-26110](#) - Xcode 10: Cannot build application with new (default) build system
- [TIMOB-26351](#) - iOS CLI (Babel): Cannot read property 'isIfStatement' of null

Improvements

- [TIMOB-26089](#) - iOS 12: Update simulator mappings for Xcode 10
 - Dropped support for versions of Xcode below 9 and added support for Xcode 10
- [TIMOB-26090](#) - iOS 12: Make iOS development-project compatible with Xcode 10
 - Made minor updates to Xcode template
- [TIMOB-26094](#) - iOS 12: Add Password Autofill improvements
 - Added new `Ti.UI.TextField` API
 - Related docs:
 - [UITextInputPasswordRules](#)
 - [passwordRules](#)
 - [UITextContentTypeNewPassword](#)
 - [UITextContentTypeOneTimeCode](#)
 - Sample code

```
var win = Ti.UI.createWindow({
  backgroundColor: '#ddd'
});

var field = Ti.UI.createTextField({
  autofillType: Ti.UI.AUTOFILL_TYPE_PASSWORD,
  passwordRules: 'required: upper; required: lower; required: digit;
max-consecutive: 2; minlength: 8;',
  passwordMask: true,
  width: 300,
  height: 40,
  backgroundColor: '#fff' });

win.add(field);
win.open();
```

Known issues

- [TIMOB-26320](#) - Xcode 10: Cannot build native modules in Xcode IDE when using new build-system (default)
 - Xcode cannot find the header-source-paths used before (e.g. `#import "TiApp.h"`) from `~/Library/Application Support/Titanium/mobilesdk/osx/7.3.0.GA/iphone/include/` anymore. While building the module works fine, but building the library from Xcode to debug the development process, does not work anymore. The radar is [rdar://40906817](#).
 - Workaround: go to **File > Project Settings** and select the **Legacy Build System**.

API changes

New APIs

The following APIs are new or have expanded platform support in Release 7.4.0 as of September 17th, 2018.

API	Type	Notes
Titanium.App.iOS.USER_NOTIFICATION_AUTHORIZATION_STATUS_PROVISIONAL	property	The application is provisionally authorized for notifications. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.USER_NOTIFICATION_TYPE_CRITICAL_ALERT	property	The ability to play sounds for critical notifications. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.USER_NOTIFICATION_TYPE_PROVIDES_APP_NOTIFICATION_SETTINGS	property	An option indicating the system should show notification settings. Use with the types property. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.USER_NOTIFICATION_TYPE_PROVISIONAL	property	The ability to post non-interrupting notifications. Use with the types property. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserActivity.deleteAllSavedUserActivities	method	Deletes all user activities created by the user on the device. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserActivity.deleteSavedUserActivitiesForPersistentIdentifiers	method	Deletes user activities created by the user for the specified identifiers. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserActivity.eligibleForPrediction	property	A Boolean value that determines whether the user is eligible for prediction. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserActivity.getEligibleForPrediction	method	Gets the value of the Titanium.App.iOS.UserActivity.eligibleForPrediction property. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserActivity.getPersistentIdentifier	method	Gets the value of the Titanium.App.iOS.UserActivity.persistentIdentifier property. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserActivity.persistentIdentifier	property	A value used to identify the user activity. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserActivity.setEligibleForPrediction	method	Sets the value of the Titanium.App.iOS.UserActivity.eligibleForPrediction property. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserActivity.setPersistentIdentifier	method	Sets the value of the Titanium.App.iOS.UserActivity.persistentIdentifier property. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserActivity.useractivitydeleted	event	Fired when the user activity is deleted. Use Titanium.App.iOS.UserActivity.deleteAllSavedUserActivities or Titanium.App.iOS.UserActivity.deleteSavedUserActivitiesForPersistentIdentifiers methods. (New API, supported on iPhone and iPad.)
Titanium.App.iOS.UserNotificationCategory.categorySummaryFormat	property	A format string for the summary description of the category's notifications. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_NEW_PASSWORD	property	Specifies the expectation of a new password. (New API, supported on iPhone and iPad.)
Titanium.UI.AUTOFILL_TYPE_ONE_TIME_CODE	property	Specifies the expectation of a single-use code. (New API, supported on iPhone and iPad.)