

# AMPLIFY Crash Analytics

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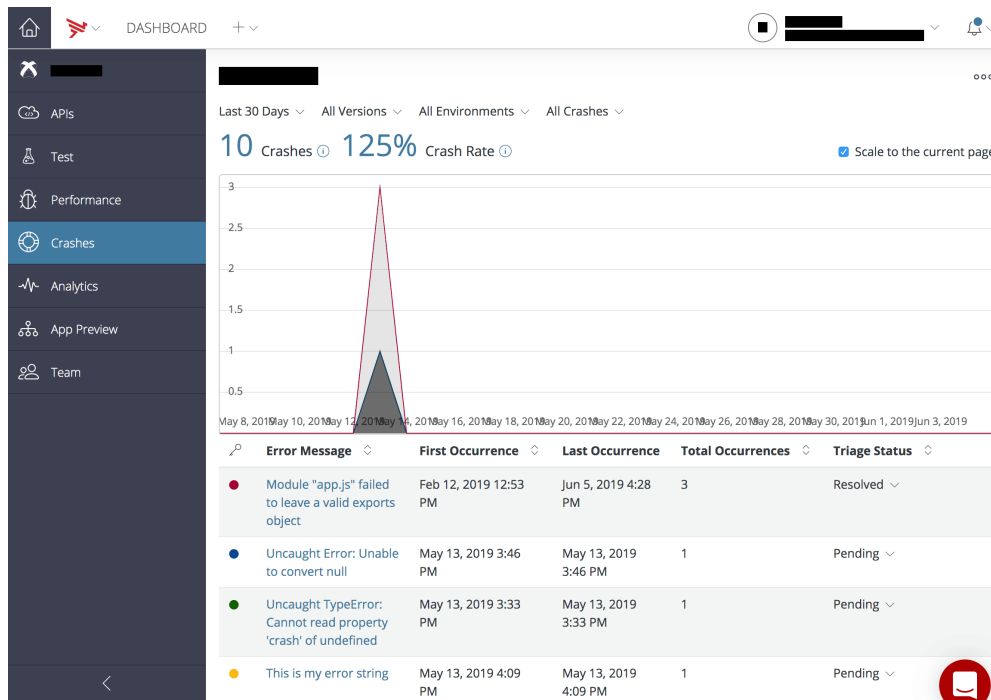


## Subscription Required!

This AMPLIFY Service feature requires a Pro, Enterprise, or purchased subscription.

## Introduction

The AMPLIFY Crash Analytics (ACA) module provides you with real-time crash reporting, and app monitoring for your Titanium powered mobile apps. This module enables the enterprise-level support for monitoring critical errors and provides valuable diagnostic information to rapidly debug issues that occur in production from the Appcelerator Dashboard (Dashboard).



## Requirements

- Titanium SDK 8.1.1 or above is required to use this feature
- Appcelerator Studio (Studio)



ACA only supports the Android and iOS platforms.

## Installation and setup

The ACA module is downloaded if you have either a Pro or Enterprise account or purchased it separately.

## Setup Your Project



```

// If Alloy project
// var aca = Alloy.Globals.aca;

function alphaCB (args) {
  aca.leaveBreadcrumb('enter alphaCB:' +
JSON.stringify(args));
  //do some stuff...
  aca.leaveBreadcrumb('exit alphaCB:' + result);
  return result;
}

function betaCB (args) {
  aca.leaveBreadcrumb('enter betaCB:' +
JSON.stringify(args));
  // do some stuff...
  aca.leaveBreadcrumb('exit betaCB:' + result);
  return result;
}

switch (state) {
  aca.leaveBreadcrumb('switch:' + state);
  case x :
    alphaCB({foo: 1});
    break;
  case y :
    alphaCB({foo: 2});
    betaCB({foo: 1});
    break;
  default :
    alphaCB({foobar: 0});
    betaCB({foobar: 0});
}

```

These breadcrumbs are collected and passed to the ACA.



Breadcrumbs will only be reported in the case of a handled exception or a crash (they won't be found in the Dashboard). From ACA 1.4, breadcrumb events will be sent to the platform only when a crash occurs or when the crash event is sent to the platform.

## Add User Metadata

Use the [setUsername](#) and [setMetadata](#) methods to differentiate users of your application when viewing reports on the AMPLIFY Crash Analytics dashboard. For example:

```

// If Alloy project
// var aca = Alloy.Globals.aca;

var status = login(username);
if (status) {
    // Sets the username
    aca.setUsername(username);
    // Sets some user state metadata for tracking errors
    aca.setMetadata('lastLogin', datettime);
}

// Track the user's state
aca.setMetadata('gameLevel', 0);
// do some stuff...
aca.setMetadata('gameLevel', 1);
// do some stuff...
aca.setMetadata('gameLevel', 2);

```

By default, a username is not included. The username appears with the crash or error reports. Both `setUsername` and `setMetadata` can be used in any part of the application's code. They are not invoked when the crash occurs, the information gathered by ACA when these calls are made will be sent to the platform with the crash event.

## Log An Error

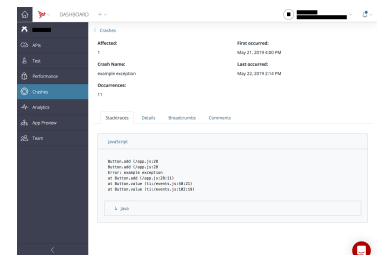
You can track handled errors in your application by passing a JavaScript Error object to the `logHandledException` method, which can help identify and analyze potential errors and hot spots. For example:

```

// If Alloy project
// var aca = Alloy.Globals.aca;

try {
    var err = new Error('FATAL ERROR: Value cannot be
    null or undefined!');
    if (value === null || value === undefined) throw
    err;
} catch (err) {
    aca.logHandledException(err);
}

```



Error logs are useful for tracking crashes in third-party SDKs, code that syncs data between services, or detecting bad data that is returned from a server.

## Allow the User to Opt-Out

Use the `setOptOutStatus` method to allow the user NOT to send any information to the ACA. Passing `true` to this method disables sending data to ACA.

```

// If Alloy project
// var aca = Alloy.Globals.aca;

// Disable sending data to Crash Analytics
aca.setOptOutStatus(true);

```

## **Known issue**

Only the 'Last 60 Minutes' time period is real-time. Results for other time periods will be updated from one hour to twenty-four hours after the events are sent.