



What's new with NativeScript! 🔥

2.3 is ready to rock!



TJ and Jen



@tjvantoll
@jenlooper



What's new in....

- Core 
- Tooling 
- Plugins 
- Community 
- Apps 



Core



Core 🚀

- CLI updates 💣
- Webpack 📦
- Threading 🔒
- Angular 😍



LiveSync on multiple devices



The screenshot shows a code editor window with two tabs: "login.xml" and "login-common.css". The "login-common.css" tab is active, displaying the following CSS code:

```
#initial-label {  
    color: black;  
}
```

The status bar at the bottom of the editor indicates "Ln 19, Col 15" and "Spaces: 2". Below the editor, there are two side-by-side mobile device emulators. Both emulators display a grocery store login screen with a wooden background and various fruits and vegetables. The emulators show different states: the left one shows the original design, while the right one shows the updated design where the text color has been changed to black due to the CSS update made in the editor. The emulators also show a "GROCERIES" logo and a "Login" button at the bottom.



Run and watch at the same time 🏃⌚

```
tns run ios --watch
```

```
tns run android --watch
```



LiveSync debugging support



- LiveSync and debug
- AT THE SAME TIME
- tns debug ios|android --watch



Webpack



```
tns install webpack
```



It makes a difference



```
tns build android --bundle
```

~35% reduction in app size



Threading



- NativeScript = single threaded, by default 
- Samples for background execution are now available.
- WebWorkers API coming soon



Angular 😍

- Angular 2 final—Now 100% more a thing 🎉



@next builds

```
npm install -g nativescript@next
```

```
"nativescript": {  
  "id": "org.nativescript.foo",  
  "tns-ios": {  
    "version": "next"  
  },  
  "tns-android": {  
    "version": "next"  
  }  
,  
  "dependencies": {  
    "tns-core-modules": "next"  
  },  
},
```



Tooling



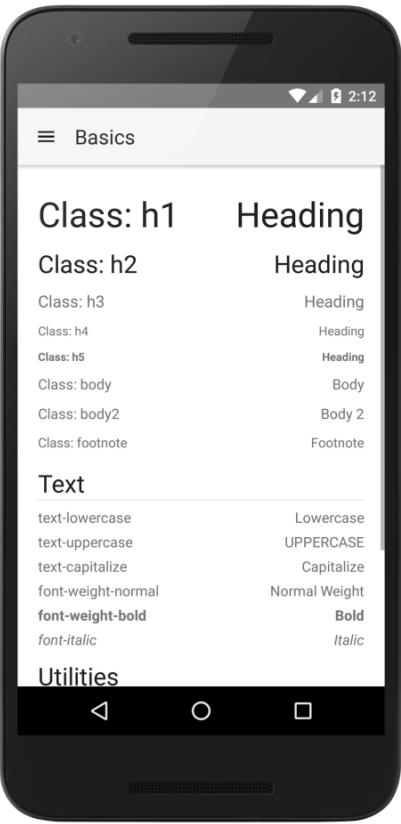
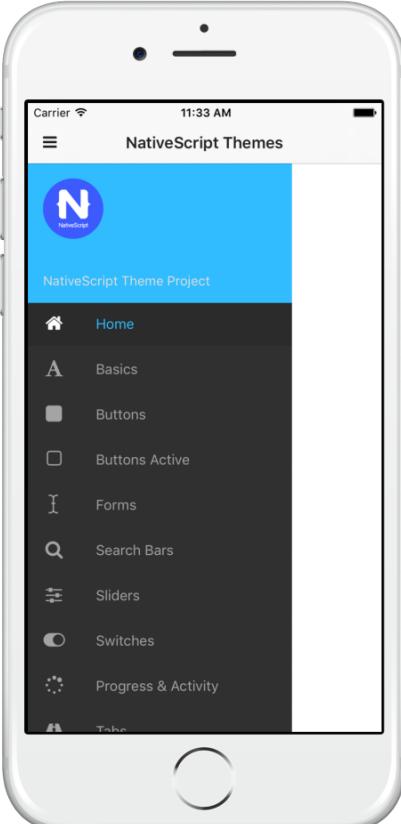
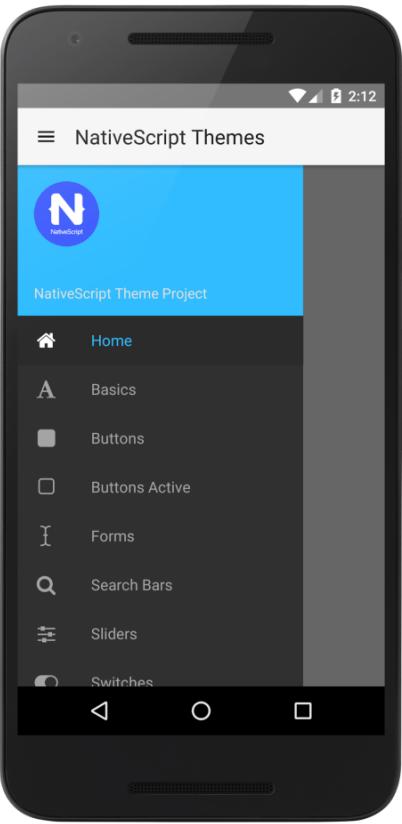
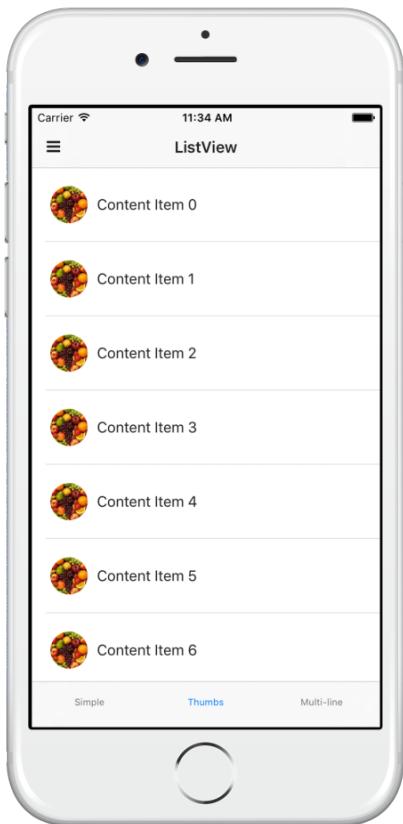
Tooling



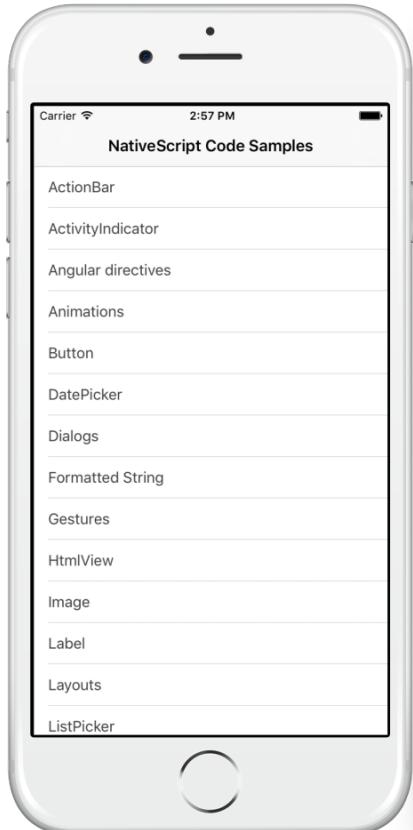
- Theme
- Code Samples
- UI for NativeScript
- Telerik Platform



Theme



Code Samples



ActionBar

ActionIndicator

Angular directives

Animations

Button

DatePicker

Dialogs

Formatted String

Gestures

HtmlView

Image

Label

Layouts

ListPicker

NativeScript Code Samples

Carrier 2:57 PM

Action Bar

<https://docs.nativescript.org/angular/code-samples/action-bar.html>

INTRODUCTION

- Welcome
- Installation
- Troubleshooting

TUTORIAL

CORE CONCEPTS

- Application Architecture
- Navigation
- Angular Bootstrap
- Application Lifecycle
- Modules
- Data Binding
- Accessing Native APIs with JavaScript

USER INTERFACE

TOOLING

PUBLISHING

HARDWARE

Search documentation

Action Bar

The ActionBar is NativeScript's abstraction over the Android ActionBar and iOS NavigationBar. It represents a toolbar at the top of the activity window, and can have a title, application-level navigation, as well as other custom interactive items.

API Reference for the [ActionBar Class](#)

Native Component

Android iOS

[android.widget.ToolbarUIView](#)

Carrier 7:03 PM

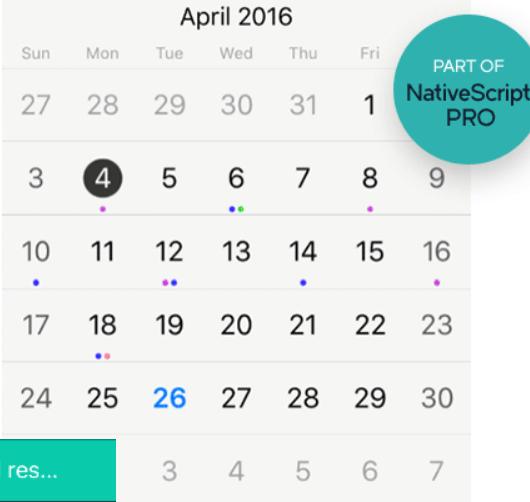
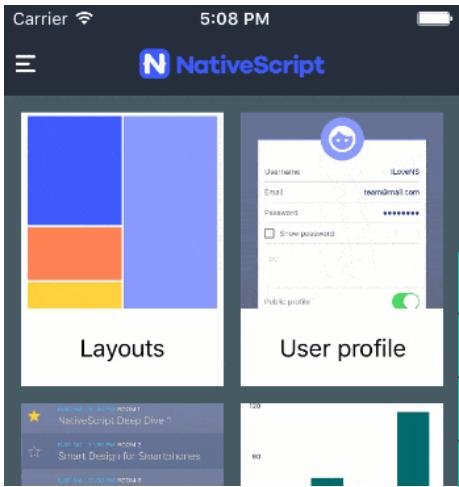
NativeScript

N

UI for NativeScript



- We already have...



- Call Brian Ingram regarding the hotel res...
- See weather forecast for London
- Prepare the children's documents
- Check the Paris—London trains schedule
- Ask Jonah if he will take care of the dog
- Reschedule airplane tickets for the next...
- Bills due: Alissa's ballet class fee



UI for NativeScript



- Dataform is new!

The image displays two side-by-side screenshots of a mobile application interface built with NativeScript, illustrating the Dataform component.

Screenshot 1 (Left): Shows the full "Edit reservation" screen. It includes a header with "Edit reservation" and "DONE" buttons, a top navigation bar with a back arrow, help, settings, and file icons, and a bottom navigation bar with a back arrow, home, and square icons. The main content area is titled "RESERVATION DETAILS" and contains the following fields:

- Name:** A red placeholder field with the text "Please fill in the guest name".
- Phone:** A field containing "359-555-1236" with a "CALL" button to its right.
- Date:** A field showing "Fri, 12.06" with a date picker icon to its left.
- Time:** A field showing "7:30 pm" with a time picker icon to its left.
- Guests:** A numeric input field set to "5 guests" with minus and plus buttons.
- Table Details:** A section titled "TABLE DETAILS" showing "13 tables left". It includes dropdowns for "Section" (set to "Patio") and "Table" (set to "15").
- Origin:** A dropdown menu currently showing "In-person".
- CANCEL RESERVATION:** A red button at the bottom.

Screenshot 2 (Right): Shows a simplified view of the same reservation details. It lacks the top navigation bar and bottom navigation bar, focusing on the core data fields:

- Name:** A red placeholder field with "Please fill in the guest name".
- Phone:** A field containing "359-555-1236" with a "Call" button to its right.
- Date:** A field showing "Friday, 12.06" with a date picker icon to its left.
- Time:** A field showing "7:30 pm" with a time picker icon to its left.
- Guests:** A numeric input field set to "5" with minus and plus buttons.
- Table Details:** A section titled "TABLE DETAILS" showing "15 tables left". It includes dropdowns for "Section" (set to "Patio") and "Table" (set to "15").
- Origin:** A dropdown menu currently showing "In-person".

A red "Cancel reservation" button is located at the bottom of this simplified view.



Telerik Platform



Telerik Platform

<https://platform.telerik.com/#create-app>

Todd Anglin Create app

Getting Started Todd Anglin

Create App

Cordova Hybrid NativeScript Advanced Analytics

Cordova Hybrid

- Use your HTML and JavaScript skills
- Access native code with Apache Cordova
- Run on iOS, Android and WP8

NativeScript

- Use your JavaScript and CSS skills
- Access native code with NativeScript
- Run on iOS and Android

Advanced

- Start from a template or sample
- Clone existing repository
- Run on iOS and Android

Analytics

- Track mobile, web and desktop
- Analyze usage metrics
- TypeScript, jQuery, Kendo UI, Progress
- Inspect crash logs and sessions

App name:

Description:

Create App **Cancel** **Need Help?**

Telerik Platform

jen-demo2 - Microsoft Visual Studio

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST APPBUILDER ANALYZE WINDOW HELP

home.component.ts home.routes.ts home.component.html NSNG2Working

```
1 <ActionBar title="Home">
2   <!-- actionbar items -->
3 </ActionBar>
4
5 <GridLayout>
6   <!-- page content -->
7     <Label t
8   </GridLayout>
```

translateX
translateY
top
tap
text
textAlignment
textWrap

(N) HTML | HTML

Solution Explorer

- Solution Jen-Demo2 (1 project)
 - NSNG2Working
 - Properties
 - app
 - App_Resources
 - modules
 - app.component.js
 - app.component.ts
 - app.css
 - app.module.js
 - app.modules.ts
 - app.routes.js
 - app.routes.ts
 - LICENSE
 - main.js
 - main.ts
 - package.json
 - typings
 - .abignore
 - package.json
 - tsconfig.json



Plugins



Plugins

- 250+ plugins on npm!



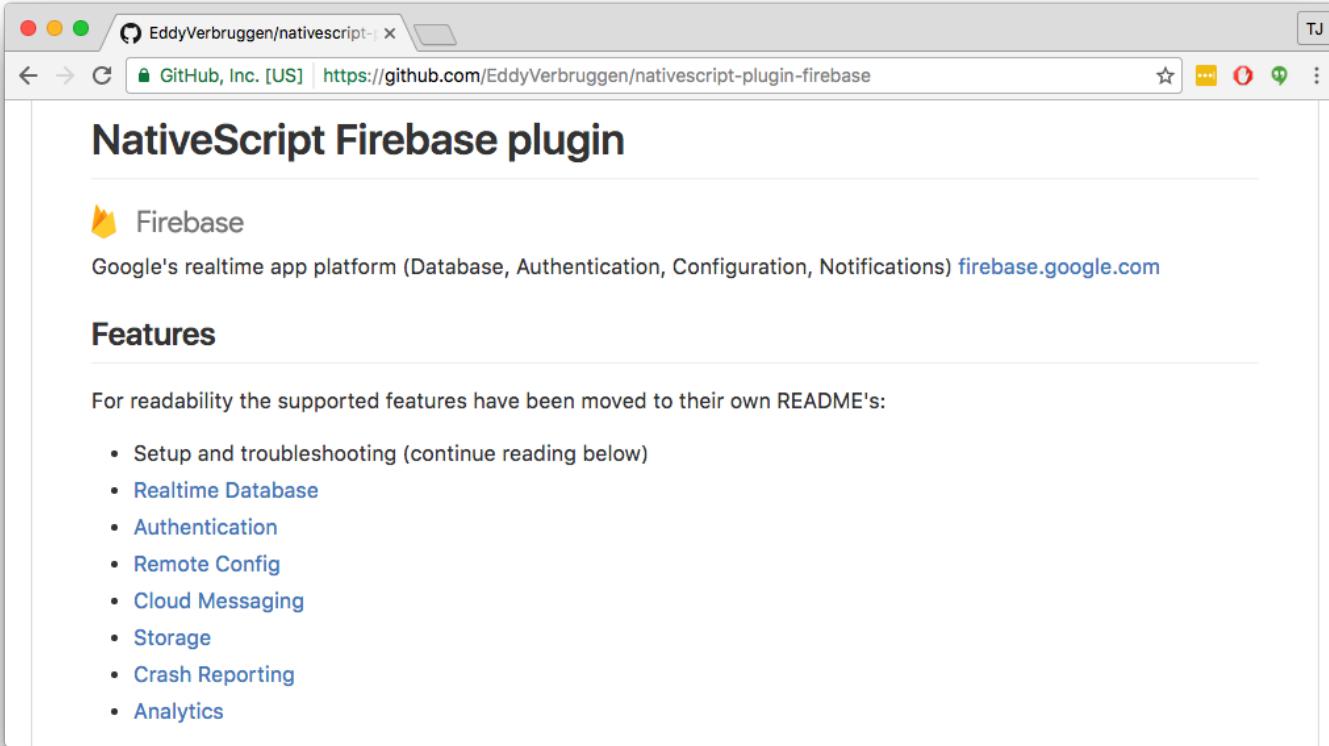
OAuth



- . <https://github.com/alexziskind1/nativescript-oauth>



Firebase 🔥



The screenshot shows a web browser window with the following details:

- Title Bar:** EddyVerbruggen/nativescript-...
- Address Bar:** GitHub, Inc. [US] | <https://github.com/EddyVerbruggen/nativescript-plugin-firebase>
- Content Area:**
 - ## NativeScript Firebase plugin
 -  **Firebase**
Google's realtime app platform (Database, Authentication, Configuration, Notifications) firebase.google.com
 - ### Features

For readability the supported features have been moved to their own README's:

 - Setup and troubleshooting (continue reading below)
 - [Realtime Database](#)
 - [Authentication](#)
 - [Remote Config](#)
 - [Cloud Messaging](#)
 - [Storage](#)
 - [Crash Reporting](#)
 - [Analytics](#)



Top Ten Plugins (by npm downloads)



- 10) 💰 **nativescript-paypal** (3,852)
 - Marcel Kloubert
- 9) 🌐 **nativescript-grid-view** (4,006)
 - Peter Staev
- 8) ☁ **nativescript-floatingactionbutton** (4,916)
 - Brad Martin
- 7) 📱 **nativescript-sqlite** (5,108)
 - Nathanael Anderson
- 6) 🛍 **nativescript-google-maps-sdk** (5,266)
 - Dan Prietti
- 5) 💼 **nativescript-spotify** (5,295)
 - Nathan Walker and Brad Martin
- 4) 📚 **nativescript-slides** (5,436)
 - Josh Sommer
- 3) 🔥 **nativescript-plugin-firebase** (6,523)
 - Eddy Verbruggen
- 2) 🏆 **nativescript-apiclient** (8,066)
 - Marcel Kloubert
- 1) 🏆 **nativescript-toolbox** (10,772)
 - Marcel Kloubert



Top Plugin Creators

- 11) 🐱 Peter Staev (5)
- 11) 🐭 Sean Perkins (5)
- 10) 🐶 Robert Laverty (6)
- 8) 🐷 Alex Ziskind (7)
- 8) 🐸 Steve McNiven-Scott (7)
- 7) 🐾 Josh Sommer (8)
- 6) 🐝 Nathan Walker (9)
- 5) 🦸 Osei Fortune (11)
- 4) 🐟 Eddy Verbruggen (14)
- 3) 🐟 Marcel Kloubert (15)
- 1) 🐢 Nathanael Anderson (22)
- 1) 🐍 Brad Martin (22)



Community ❤️



Community ❤️

- Engineering 💃
- NativeScript Developer Experts🎩
- Slack channel standouts🌮
- Stack Overflow contributors🎂
- Contest winners!💰

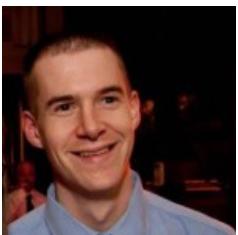
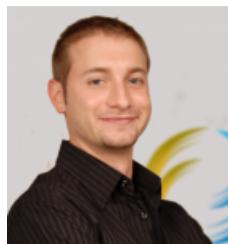




Community starts with Engineering



NativeScript Developer Experts





Total Messages

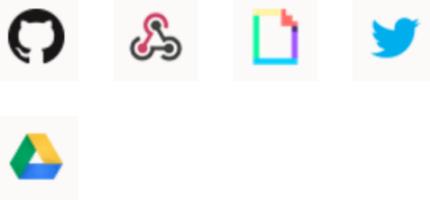
47% [public channels](#), 8% [private channels](#), 45% [DMs](#)



Storage Used

For [2,926 files](#).

10 Integrations Used



and [5 more...](#)

Note: Stats last updated 4 hours and 25 minutes ago.

Previous Day Statistics

1,057 messages have been posted by people (plus another **93 messages** from integrations) and **16 files** have been uploaded. There are **207 people reading** and **75 people posting**, out of **1,958 people** on [your team](#).

Slack channel standouts 🌮

1,900+ members! With Top Contributors:

- 10) 🍏 don (15)
- 9) 🍐 peterstaev (15)
- 8) 🍪 sitefinitysteve (21)
- 7) 🍞 markosko (27)
- 6) 🍓 jen.looper (28)
- 5) 🍉 sean (38)
- 4) 🎳 walkerrunpdx (53)
- 3) 🍊 nathanaela (57)
- 2) 🔍 bradmartin (66)
- 1) 🍕 triniwiz (119)

Join us! <http://tinyurl.com/nativeScriptSlack>



Stack Overflow contributors



- 10) 🚗 G. McGhie (15)
- 5) 🚒 Todd Anglin (52)
- 9) 🚍 George Edwards (15)
- 4) 🚲 Brad Martin (61)
- 8) 🚑 Osei Fortune (22)
- 3) 🚂 Emil Oberg (62)
- 7) 🚓 Peter Staev (32)
- 2) 🛥️ Nick Iliev (83)
- 6) 🚜 Nikolay Tsonev (42)
- 1) 🚶 Nathanael Anderson (115)

Join us! <http://stackoverflow.com/tags/nativescript/>



Contest winners



Apps



Thanks!

