



da web a mobile nativo in zero secondi
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{N}ativeScript

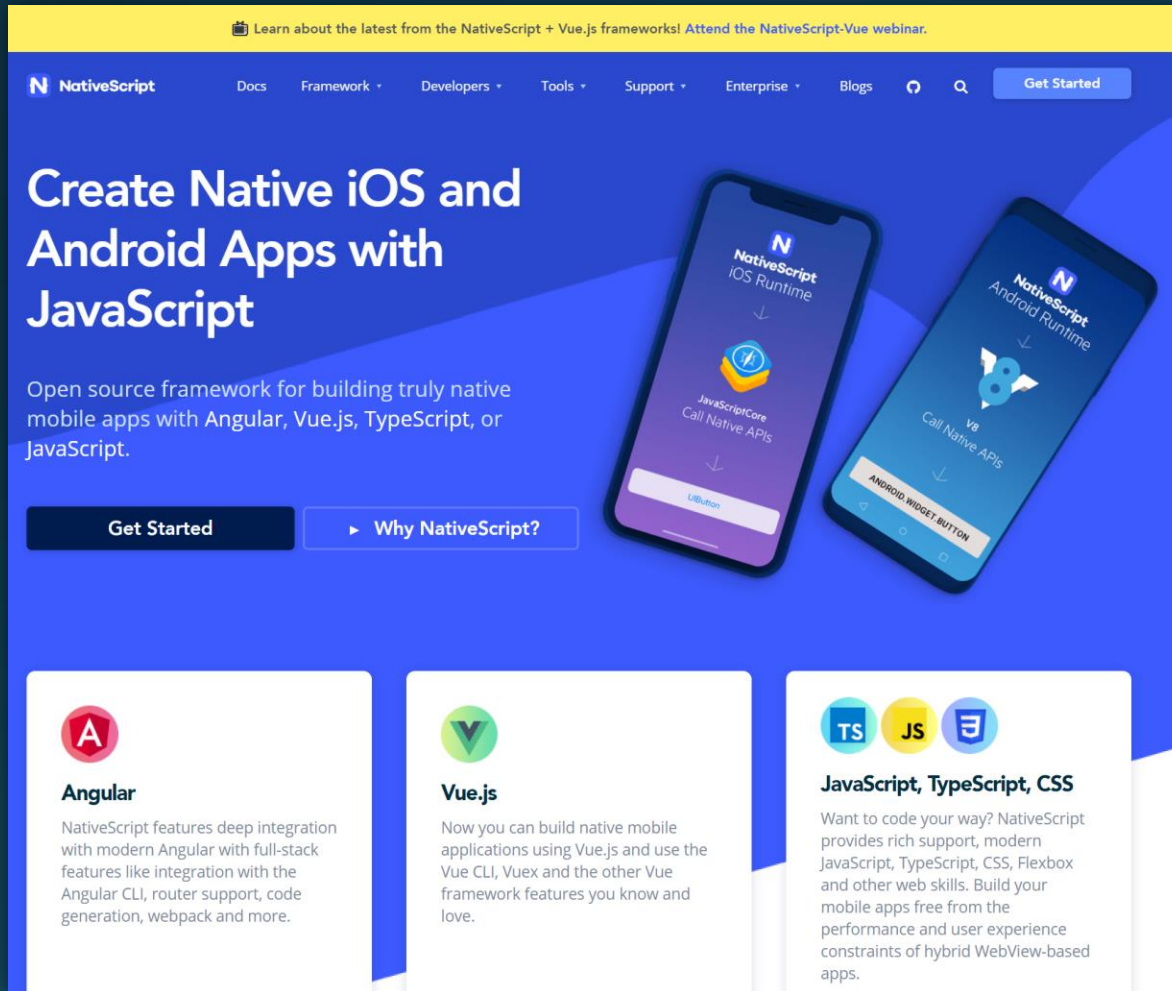
Prima di iniziare

Conoscete NativeScript?

Capitolo 1

Introducendo NativeScript

<https://www.nativescript.org>



The screenshot shows the NativeScript website homepage. At the top, a yellow banner contains the text: "Learn about the latest from the NativeScript + Vue.js frameworks! Attend the NativeScript-Vue webinar." Below this is a navigation bar with links: "NativeScript", "Docs", "Framework", "Developers", "Tools", "Support", "Enterprise", "Blogs", and a "Get Started" button. The main heading reads "Create Native iOS and Android Apps with JavaScript". Below the heading, it says "Open source framework for building truly native mobile apps with Angular, Vue.js, TypeScript, or JavaScript." There are two buttons: "Get Started" and "Why NativeScript?". In the center, two smartphones are displayed. The left one shows the "NativeScript iOS Runtime" and "JavaScriptCore Call Native APIs". The right one shows the "NativeScript Android Runtime" and "V8 Call Native APIs". At the bottom, there are three sections: "Angular" with its logo and text about deep integration; "Vue.js" with its logo and text about building native mobile applications; and "JavaScript, TypeScript, CSS" with their logos and text about rich support for these technologies.

Learn about the latest from the NativeScript + Vue.js frameworks! Attend the NativeScript-Vue webinar.

Create Native iOS and Android Apps with JavaScript

Open source framework for building truly native mobile apps with Angular, Vue.js, TypeScript, or JavaScript.

Get Started **Why NativeScript?**

Angular
NativeScript features deep integration with modern Angular with full-stack features like integration with the Angular CLI, router support, code generation, webpack and more.

Vue.js
Now you can build native mobile applications using Vue.js and use the Vue CLI, Vuex and the other Vue framework features you know and love.

JavaScript, TypeScript, CSS
Want to code your way? NativeScript provides rich support, modern JavaScript, TypeScript, CSS, Flexbox and other web skills. Build your mobile apps free from the performance and user experience constraints of hybrid WebView-based apps.

- App native iOS e Android
- Angular
- Vue.js
- JavaScript
- TypeScript

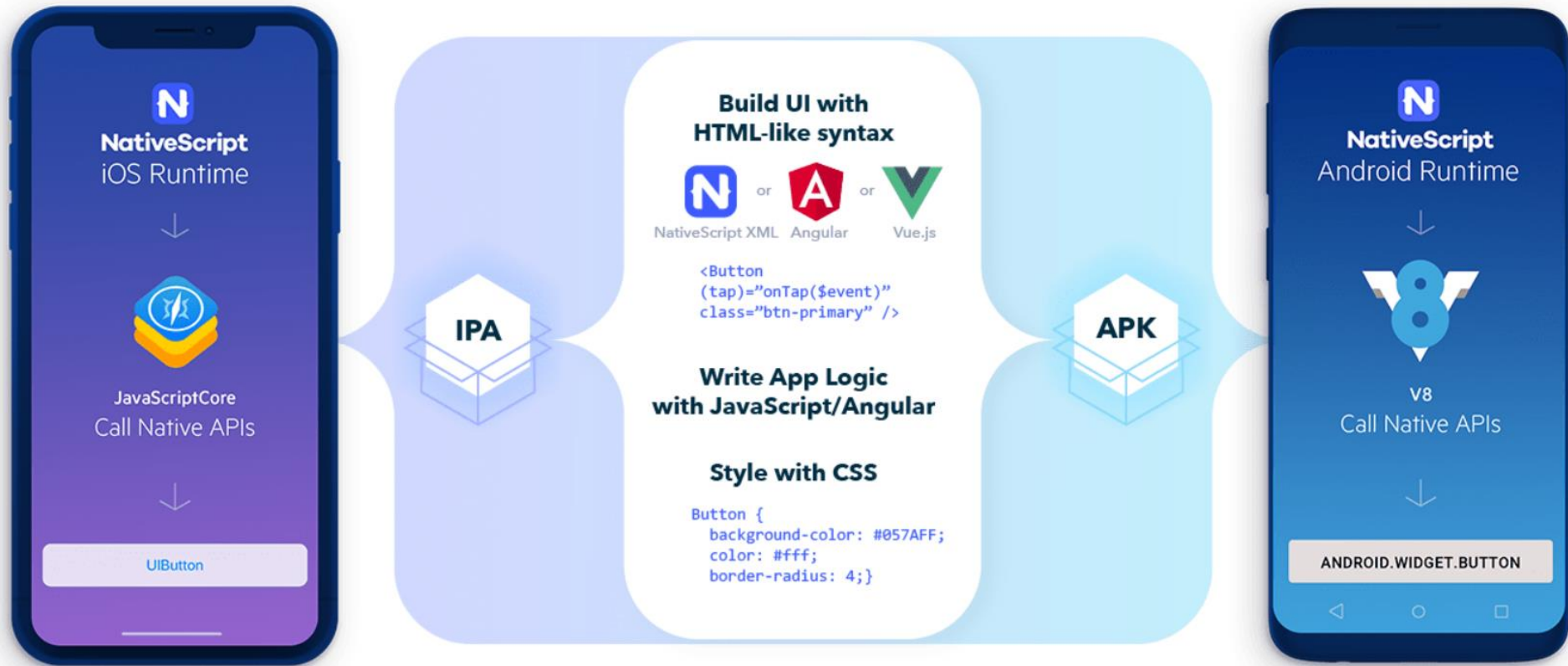
Perchè?

- Performance native
- Cross-Platform
- Estensibile (*100% accesso diretto alle API iOS e Android*)
- Free e Open Source
- Facile da imparare (*JavaScript, CSS e Native UI markup*)
- Plugins marketplace and Templates 😊

Cosa serve

- Windows 10 (Win7 min)
 - macOS High Sierra 10.13 (10.12 min)
 - Ubuntu 16.04
 - iOS 11 SDK (Xcode 9)
 - Android 6.0 SDK API level 23 (4.2 – level 17 min)
 - Android Studio, SDK build tools 28 > e virtual Devices
-
- Node.js
 - NativeScript CLI
 - `npm install -g nativescript`

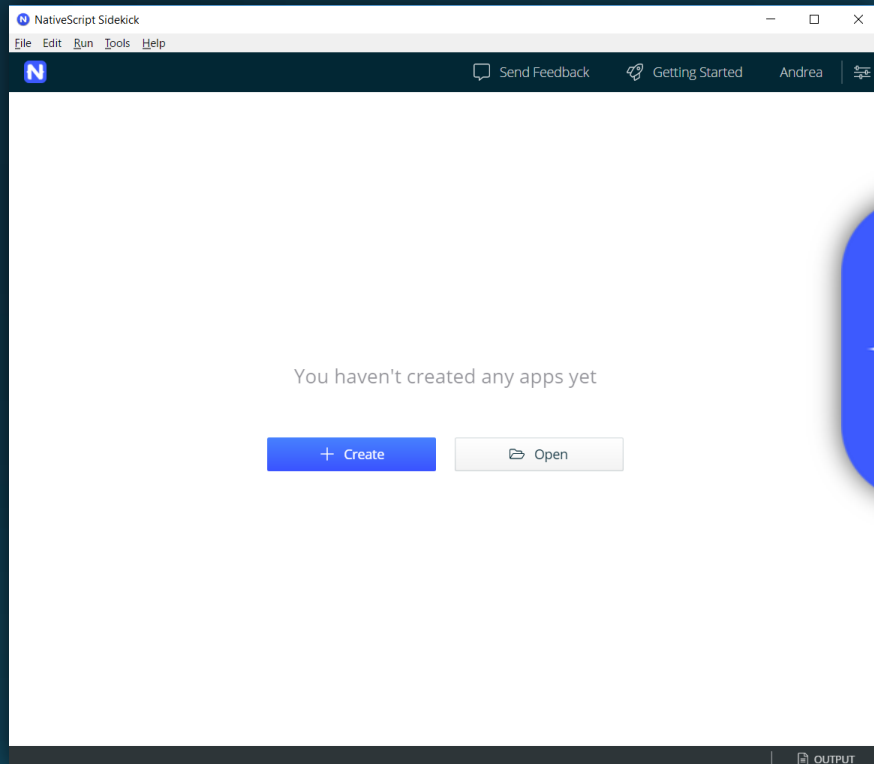
Come funziona



Dalla CLI a NativeScript Sidekick

```
tns create HelloWorld -template tns-template-blank-ng
```

```
tns preview
```



NativeScript CLI is required

Click Install to allow Sidekick to automatically install the latest version of NativeScript CLI globally with NPM. To manually install the latest version of NativeScript CLI, open a terminal or command prompt, run the command provided below and then restart Sidekick.

NPM:

```
npm i -g nativescript@latest
```



Quit

[Need help?](#)

Apps a supporto



Playground



Preview

DEMO

NativeScript Sidekick Playground & Preview

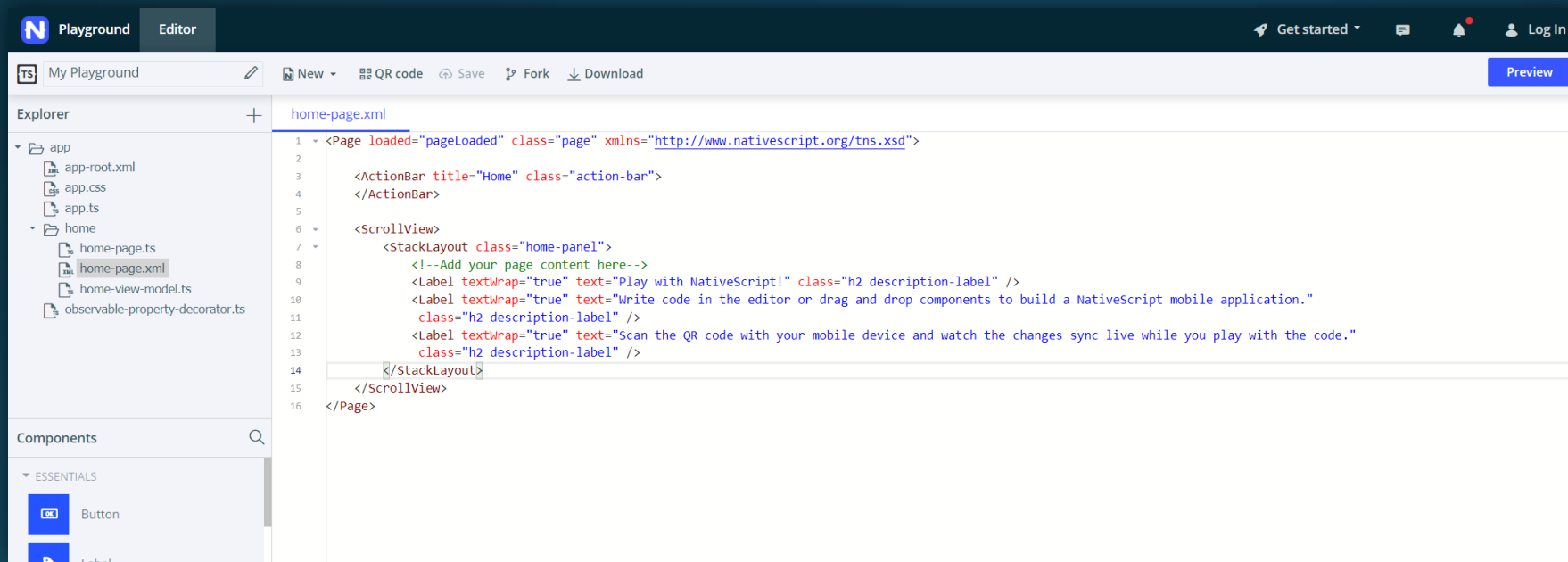
Capitolo 2

Visual Studio Code & NativeScript



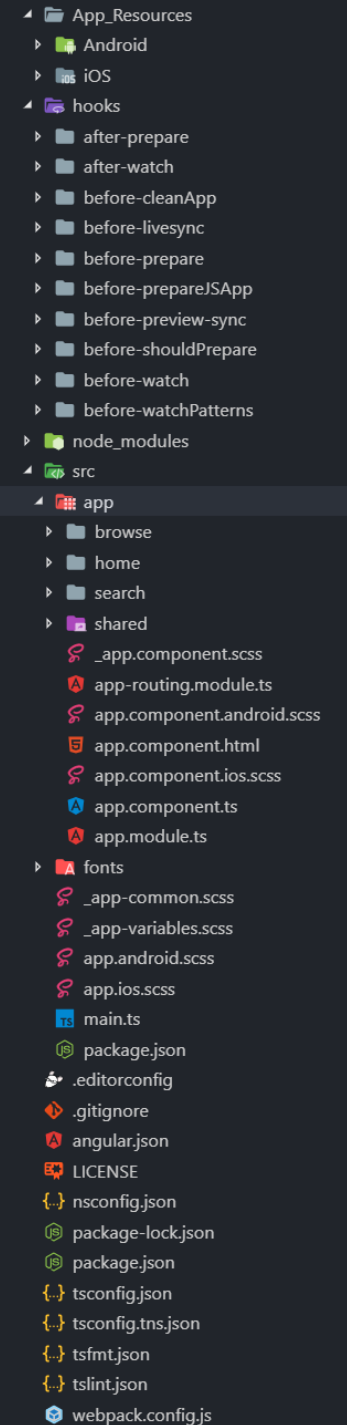
NativeScript Playground

- Editor online
- Preview su app “NativeScript Playground”
- Build online Android e iOS



Struttura del progetto

- App_Resources
 - Android
 - iOS
- hooks
- node_modules
- src



Concetti di base

- Navigazione
- Data Binding
- Markup
- Plugins
- Accesso alle API native
- Error Handling

Capitolo 3

NativeScript Markup

Markup

Layouts

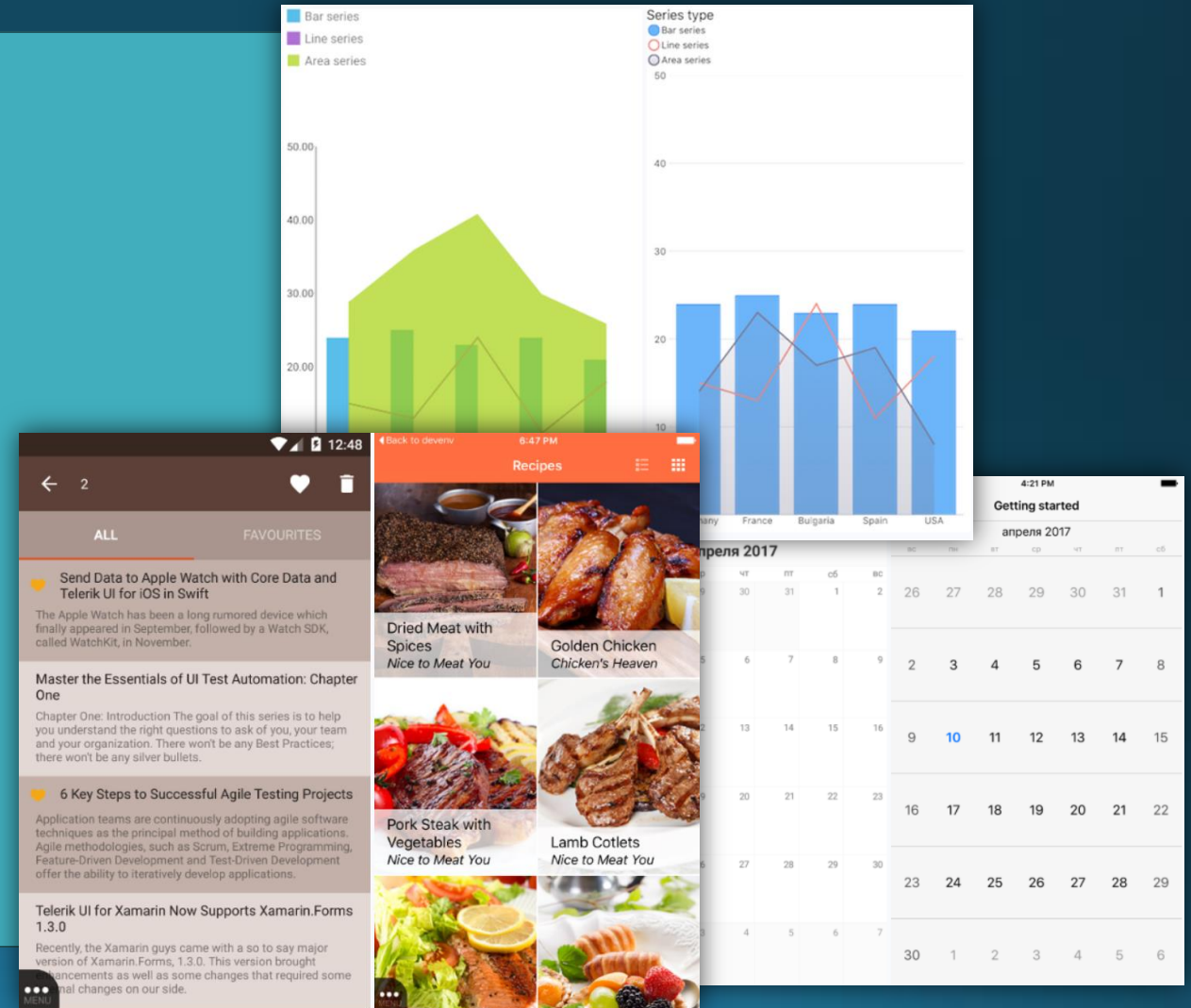
- FlexboxLayout
- AbsoluteLayout
- DockLayout
- GridLayout
- StackLayout
- WrapLayout

UI Widgets

- ActionBar
- ActivityIndicator
- Animations
- Button
- DatePicker
- Dialogs
- FormattedString
- Gestures
- HtmlView
- Image
- Label
- ListPicker
- ListView
- Progress
- ScrollView
- SearchBar
- SegmentedBar
- Slider
- Styling
- Switch
- TabView
- TextField
- TextView
- TimePicker
- WebView
- NG Directives

Professional UI Components (free)

- RadSideDrawer
- RadListView
- RadCalendar
- RadChart
- RadAutoCompleteTextView
- RadDataForm
- RadGauge

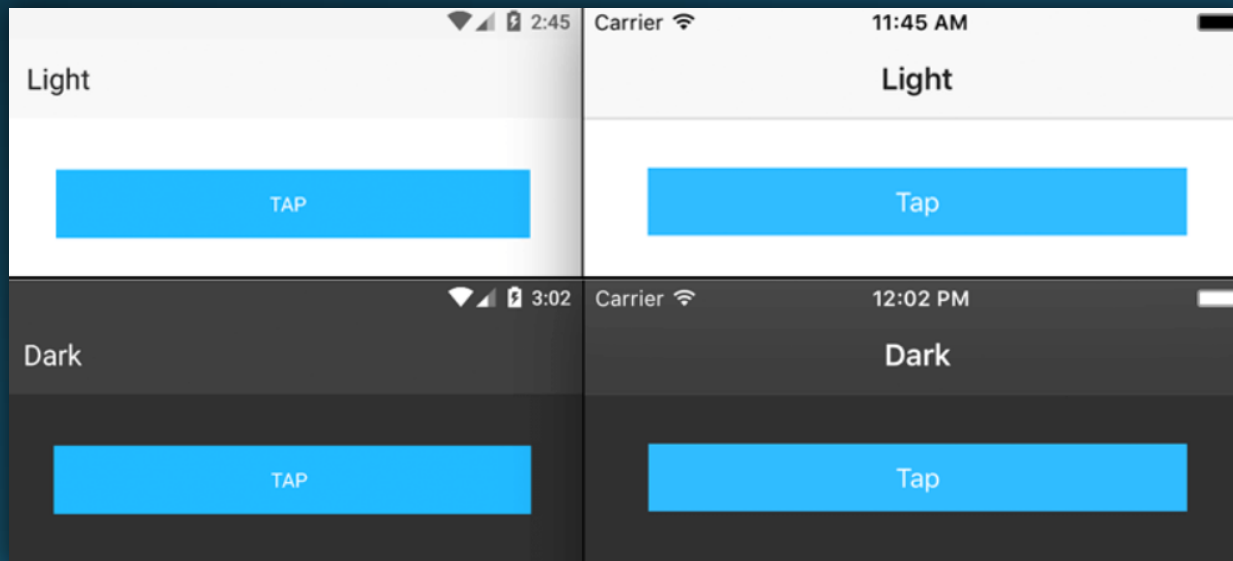


Styling

- CSS applicabili a 3 differenti livelli
 - Application-wide CSS
 - Component-specific CSS
 - Inline CSS
- Platform-specific CSS
- Supporto ai Selectors (type, class, id, hierarchical, attribute)
- Import CSS
- Using SASS

Themes


- 2 schemi standard inclusi nel tema core (Light, Dark)
- 11 schemi colori inclusi
 - acqua, blue, brown, forest, grey, lemon, lime, orange, purple, ruby, sky
- working on Angular Material



COLOR SCHEME	NS_PRIMARYDARK VALUE
Light	#F8F8F8
Dark	#303030
Aqua	#00caab
Blue	#3d5afe
Brown	#795548
Forest	#006968
Grey Dark	#5c687c
Purple	#8130ff
Lemon	#ffea00
Lime	#aee406
Orange	#f57c00
Ruby	#ff1744
Sky	#30bcff

Plugins

- <https://market.nativescript.org/?tab=plugins>

 **NativeScript** | Marketplace

Authors | Privacy | NativeScript.org

All Plugins (1098)





VERIFIED

Image Picker

by NativeScript Team | Version 6.1.2

A plugin for the NativeScript framework implementing multiple image picker






VERIFIED

Geolocation

by NativeScript Team | Version 5.0.0

Provides API for getting and monitoring location for NativeScript app.






VERIFIED

Drop Down

by Peter Staev | Version 5.0.0

A NativeScript DropDown widget.






VERIFIED

Background Http

by NativeScript Team | Version 3.4.0

A cross platform plugin for the NativeScript framework, that provides background upload for iOS and Android.






VERIFIED

Camera

by NativeScript Team | Version 4.4.0

Provides API for using device camera






VERIFIED

UI Listview

by tns-bot | Version 6.1.0

A powerful data list control implementing a bunch of features native to the mobile world as item animations, pull-to-refresh, item layouts, load-on-demand, swipe-to-execute, etc.






VERIFIED

Mapbox

by Eddy Verbruggen | Version 4.4.1

Mapbox NativeScript plugin





VERIFIED

UI Sidedrawer

by NativeScript Team | Version 6.0.0

UI Sidedrawer plugin for NativeScript



DEMO

NativeScript Markup

Capitolo 4

from Angular web to NativeScript

I Passi da fare

- Migrare la struttura del progetto
 - `ng add @nativescript/schematics --sample`
 - `ng serve -o`
- Validare il progetto
 - `tns run android --bundle`
- Migrazione dei contenuti
 - `navigation`
 - `components`
 - `modules`
 - `ng g migrate-component --name={component-name}`

APP DEMO

Angular → {N}

Q & A

{N}grazie