




























# React-Native

# Why? Who?

## Who's using React Native?

Thousands of apps are using React Native, from established Fortune 500 companies to hot new startups. If you're curious to see what can be accomplished with React Native, check out these apps!

 Facebook iOS - Android Using React Native in the Facebook App	 Facebook Ads Manager iOS - Android How We Built the First Cross-Platform React Native App	 Instagram iOS - Android React Native at Instagram	 F8 iOS - Android Tutorial: Building the F8 conference app
 Airbnb iOS - Android Hybrid React Native Apps at Airbnb	 Skype iOS - Android	 Tesla iOS - Android	 Walmart iOS - Android React Native at Walmart Labs
 adidas GLITCH iOS - Android Building Adidas GLITCH app with React Native	 Artsy iOS React Native at Artsy	 Baidu Mobile (手机百度) iOS - Android Baidu Mobile is a search engine used by over 600 million people in China	 Bloomberg iOS - Android How Bloomberg Used React Native to Develop its new Consumer App

 CBS Sports Franchise Football Android Award winning Fantasy Football league manager built with React Native	 Chop iOS How we built Chop using React Native	 Delivery.com iOS - Android React Native in an Existing iOS App: Getting Started	 Discord iOS Using React Native: One Year Later
 Flare by GoDaddy iOS - Android Social network that connects entrepreneurs to fellow entrepreneurs, consumers, investors and experts	 Gyroscope iOS - Android Building a visualization experience with React Native	 Huiseoul (惠首尔) iOS Building a conversational E-commerce app in 6 weeks with React Native	 JD (手机京东) iOS - Android JD.com is China's largest ecommerce company by revenue and a member of the Fortune Global 500.
 Iist Android Building Iist for Android with React Native	 SoundCloud Pulse iOS Why React Native worked well for us	 Tencent QQ Android QQ is China's largest messaging platform, with over 829 million active accounts	 Townске iOS The experience of a web developer building an app using React Native
 UberFATS	 Vogue	 Wix.com	

# Advantages Native React

- **JavaScript** – Existing JavaScript knowledge
- **Code sharing** – Share most code on different platforms
- **Community** – Community around React and React Native is large
- **Native Look and Feel**

# React Native Limitations

- **Native Components** – might need to write some platform specific code
- **Not even version 1 yet**



VS

REACT NATIVE

CORDOVA

# What's the difference?

# Answer:

- **Cordova:** create HTML, style with CSS, and write all the logic with JavaScript
- **React-Native:** Visual components (reusable UI elements) are rendered as a native UI

# Create native app v2

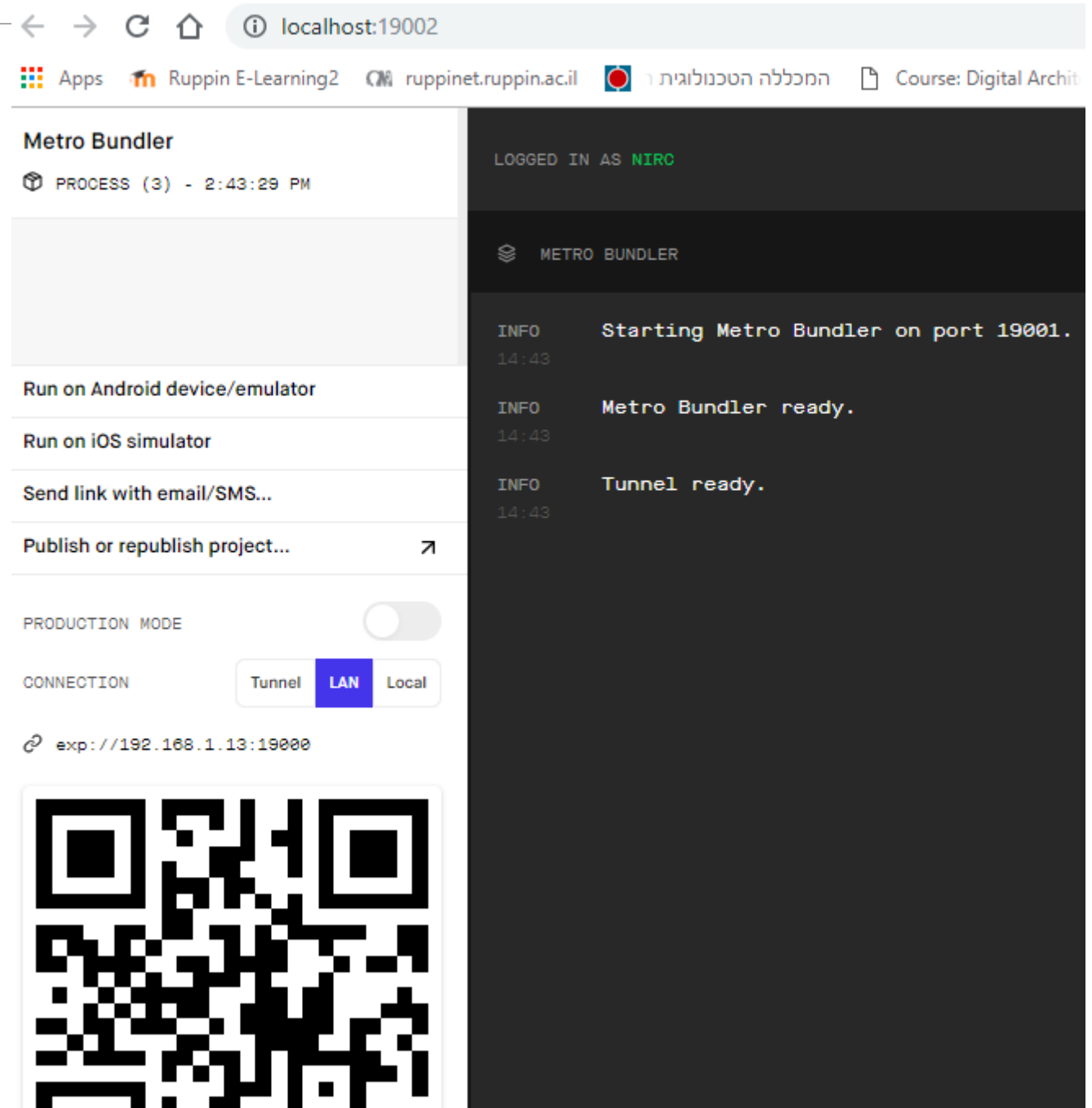
`npx create-expo-app project-name`

`cd proj-name`

`expo start [--tunnel]`

MINGW64:/c/Users/Nir

```
Nir@E440 MINGW64 ~  
$ expo init m4 --template=blank
```





# Errors

if you have errors on installing expo-cli maybe try to install it directly on the git bash

 MINGW64:/c/Users/Nir

```
Nir@E440 MINGW64 ~  
$ npm install expo-cli --global  
npm WARN deprecated joi@14.0.4: This version has been deprecated in accordance w  
ith the hapi support policy (hapi.im/support). Please upgrade to the latest vers  
ion to get the best features, bug fixes, and security patches. If you are unable  
to upgrade at this time, paid support is available for older versions (hapi.im/  
commercial)
```

If you have this error when running :

```
Expo DevTools is running at http://localhost:19002  
Opening DevTools in the browser... (press shift-d to disable)  
error Invalid regular expression: /(.*\\__fixtures__\\.*|node_modules[\\\\]r  
\\].*|website\\node_modules\\.*|heapCapture\\bundle\\.js|.*\\__tests__\\.*)$  
character class. Run CLI with --verbose flag for more details.  
  
Metro Bundler process exited with code 1  
Set EXPO_DEBUG=true in your env to view the stack trace.
```

Solved here:

<https://stackoverflow.com/a/58199866>

See next slide...

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This is caused by node v12.11.0 due to the way it deals regular location there two ways to solve this problem

#### Method I

You can downgrade to node v12.10.0 this will apply the correct way to deal with parsing error

#### Method II

You can correctly terminate the regular expression in you case by changing the file located a:

`\node_modules\metro-config\src\defaults\blacklist.js`

From:

```
var sharedBlacklist = [ /node_modules[/\\]react[/\\]dist[/\\].*/ , /website\node_modules\./ ,  
/heapCapture\nbundle.js/ , /.*/__tests__\./ ];
```

To:

```
var sharedBlacklist = [ /node_modules[\\/]react[\\/]dist[\\/]*/ , /website\node_modules\./ ,  
/heapCapture\nbundle.js/ , /.*/__tests__\./ ];
```

# Core Components

- View
- Stylesheet
- Text
- Flexbox
- Image
- TextInput
- Fetch

# View

- `<View></View> == <div></div>`

# Styling

```
const styles = StyleSheet.create({  
  container: {  
    flex: 1,  
    justifyContent: 'center',  
    alignItems: 'center',  
    backgroundColor: '#F5FCFF',  
  },  
  welcome: {  
    fontSize: 20,  
    textAlign: 'center',  
    margin: 10  
  }  
});
```

Text

- `<Text></Text> == <p></p>`

# Flexbox

- flexDirection: column, row
- justifyContent: flex-start, center, flex-end, space-around, and space-between
- alignItems: flex-start, center, flex-end

# Image

```
<Image source={require('./test.png')} />
```

```
<Image source={{uri:'https://facebook.github.io/react/img/logo_og.png'}} />
```

Image name must be one\_word !!!!!

Case sensitive !!!! Even in the Filename extension!!!



# TextInput

## Attributes:

- onChangeText: *function*
- value: *string*

# Button

## Attributes:

- onPress: *function*
- title: *string*

# Fetch

```
fetch(url, {  
  method:  
  
  headers:  
  
  body:  
  
}).then(() => {  
  
  ....  
  
})
```

# What's next?

- **UI Component Libraries**

[Shoutem UI](#) - 2,755 stars

[React Native Elements](#) - 7,657 stars

[NativeBase](#) - 6,512 stars