



## WHAT IS NATIVE SCRIPT:-

NativeScript is an open-source framework for creating native iOS and Android apps in Angular, TypeScript, or JavaScript. It was developed by *Progress Telerik*. NativeScript allows you to build web and mobile apps from a single code-base. This pdf walks through the basics of NativeScript framework, installation of NativeScript CLI, run application on NativeScript.

## HOW TO INSTALL NATIVE SCRIPT CLI:-

Node.js must be installed on your machine.

Run in your terminal and follow shown instructions

**Command** --- `npm install -g nativescript`

## VERIFY INSTALLATION :-

By typing the following command in your terminal: tns



## INSTALL IOS AND ANDROID REQUIREMENTS

### FOR-WINDOWS

```
@powershell -NoProfile -ExecutionPolicy  
Bypass -Command "iex ((new-  
object net.webclient).DownloadString('https  
://www.nativescript.org/setup/win'))"
```

For windows user there is an executable installer, which you can download from url.

## FOR-MAC OS

```
ruby -e "$(curl -fsSL  
https://www.nativescript.org/setup/mac) "
```

### VERIFY:

```
tns doctor
```

It could be that you get some warning messages after running tns doctor command like

The ANDROID\_HOME environment variable is not set or it points to a non-existent directory. You will not be able to perform any build-related operations for android.

To be able to perform Android build-related operations, set the ANDROID\_HOME variable to point to the root of your SDK Installation directory.

You need to set the ANDROID\_HOME in your environment variable which points to the Android SDK home folder.

### CREATE YOUR FIRST APPLICATION:-

```
tns create <application name>
```

```
tns create AppName --tsc
```

 : Create an app using a basic Hello World TypeScript template.

```
tns create AppName -ng
```

 : Create an app using a simple TypeScript and Angular template.



## Run your first Application:-

Switch to your project `cd <project name>` and type

### FOR ANDROID

Command--`tns run android`

### FOR IOS

Command--`tns run ios`

## DEBUGGING: -

Just run the following command from your terminal to debug your app.

### For android

Command--`tns debug android`

### For ios

Command--`tns debug ios`