

NativeScript Training

Advanced NativeScript with Angular

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<https://nativescript.training> | <http://www.nuvius.com>

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Course: Advanced NativeScript with Angular

Course Number: NSNG-142

Duration: 2 days

Overview

NativeScript Training Advanced NativeScript with Angular course teaches developers with some NativeScript and Angular experience how to take advantage of the framework's more sophisticated features.

Training Prerequisites

All attendees must have strong prior JavaScript and TypeScript experience and experience with NativeScript and Angular equivalent to NativeScript Training Introduction to NativeScript with Angular class.

Training Materials

All attendees receive courseware and the latest/best NativeScript textbook as of the date of training.

Software Needed on Each Student Machine

- Google Chrome
- Visual Studio Code
- Node.js installed
- Android tools set up and working
- If developing for iOS, a Mac is required with XCode installed and configured
- All installation steps must have been completed as described in the installation section of www.nativescript.org (<https://docs.nativescript.org/start/quick-setup>)
- Other free software and lab files that Nuvius will specify

Training Objectives

- Use industry best practices to architect an Angular mobile application with NativeScript
- Manage the state of a modern mobile application using the latest technologies such as @ngrx

- Unit test all the parts of an Angular application including Modules, Components, Services, and Pipes
- Create, build, and package a NativeScript with Angular application using the CLI approach
- Develop dynamic Model-driven forms that are easier to unit test

Outline

Getting started

- tns-platform-declarations
- project dependencies
- high level app folder structure
- API Server
- Consuming the API
- Code Style and Tools

Application Management

- Bootstrapping options
- Application configuration
- Application Logging
- Error handling
- Application Life Cycle
- iOS UIApplicationDelegate
- Android Activity Events

Application State

- Methodology
- Reactive Store and State
- Smart and Presentation Components
- Persisting State
- NgRx intro

Advanced Routing

- Combining Routing outlet options
- Lazy loading
- Navigation Directive

Debugging

- Debugging with Visual Studio Code

- Debugging with Chrome
- Http Debugging

Testing

- Configuring your project
- Creating tests
- Running tests
- Configuring the Karma server
- Continuous Integration

Webpack Bundling

- AOT
- Configuring WebPack
- Bundling with WebPack
- Bundling Extra Assets

Custom Training Services

NativeScript Training flagship service is custom learning solutions. We have led the way in offering clients outside the box learning programs to help enterprise clients keep up with the demands of business and the speed of technology.

- Designed for teams of all sizes - Built with a deep-dive approach with a focus on immersive learning
- Adaptable to suit organizations with common challenges such as remote teams, limited resources, highly specialized requirements, etc.
- Tailored to specific business drivers with measurable objectives

Nearly 50% of the training courses offered by NativeScript Training are tailored from traditional classroom content and learning modalities.

NativeScript Training works with your organization to ensure we design a custom learning plan, regardless of the topic. With a network of Subject Matter Experts in all domains of IT you are guaranteed a high-quality learning experience matched with skilled facilitators who possess real-world expertise.