

NativeScript Training

Introduction to NativeScript with Angular

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Course: Introduction to NativeScript with Angular

Course Number: NSNG-111

Duration: 3 days

Overview

NativeScript Training Introduction to NativeScript with Angular course teaches developers with zero NativeScript and Angular experience how to start from scratch and develop an application that will run on iOS and Android.

Training Prerequisites

All attendees must have strong prior JavaScript and TypeScript experience. No prior NativeScript experience is necessary, but Angular experience is recommended.

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
- Other free software and lab files that NativeScript Training will specify

Training Objectives

- Use industry best practices to architect an Angular mobile application with NativeScript
- Configure the development environment and set up the CLI
- Use industry standard tools for NativeScript development, including TypeScript
- Learning the Core NativeScript concepts
- Create, debug, and build a NativeScript with Angular application using the CLI approach

Outline

Getting started

- What is NativeScript?
- How NativeScript works
- Resources
- Documentation
- API
- App folder structure

Configuration

- Setting up the environment
- Knowing your tools
- Using TypeScript

NativeScript CLI

- What is the CLI
- How to use the CLI
- Commands
- Solving common problems

Core Concepts

- Bootstrapping
- Application configuration
- App skeleton
- Components
- Component life cycle
- Error handling
- Application Life Cycle
- iOS UIApplicationDelegate
- Android Activity Events
- Project Status Bar utils

UI Basics

- UI Hierarchy
- Pages vs Components
- Layouts
- Data-binding
- NgModel

- Event handling
- Gestures
- CSS Styling

Working with Data

- Forms
- File system
- Remote server
- Local storage

Routing and Navigation

- Declarative routing Approach
- Programmatic Routing Approach
- RouterExtensions
- Routing parameters

Animations

- CSS Animations
- The animate method
- AnimationDefinition
- Curves
- Chaining with Promises

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.