

Updated on 08/18/2026

Sign Up

Expo Training

2 days (14 hours)

Overview

Expo is a React Native framework that accelerates the creation of modern, cross-platform mobile apps. With Expo Router, native modules, development builds, and EAS services, it enables you to build reliable, high-performance, production-ready apps. Our Expo training course will help you strengthen your mobile development skills and master the essential mechanisms for structuring, testing, and deploying a React Native app in a professional setting.

You'll learn how to organize an app using Expo Router, configure screens, layouts, and navigation, and then leverage Expo's native APIs to access device features in a consistent and secure manner. By the end of the course, you'll be able to create builds tailored to development, pre-production, and production environments, integrate sensitive local data, and ensure reliable user experiences on iOS and Android. This course also covers the EAS Build and EAS Update services, compatibility between JavaScript and native code, version management, and continuous delivery best practices to prepare your apps for release.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Structure a mobile app using Expo and Expo Router.
- Configure navigation, layouts, and settings specific to mobile platforms.
- Integrate native features and store sensitive data with Expo SecureStore.
- Create and use development builds tailored to the project's needs.
- Set up build, update, and deployment workflows with EAS.

Target Audience

- React Native Developer

- Mobile Developer
- JavaScript Developer
- Lead Mobile Developer

Prerequisites

- Proficiency in the fundamentals of JavaScript or TypeScript.
- Experience with React and React Native in an existing project.
- Knowledge of components, props, hooks, and state management.
- Experience using Git and the command line.

Technical Prerequisites

- A recent computer with at least 8 GB of RAM and the necessary permissions to install the tools.
- Node.js LTS installed, with npm or a compatible package manager.
- Visual Studio Code or an equivalent editor configured for JavaScript and TypeScript.
- Android Studio emulator or iOS/Android device available for testing.
- Stable Wi-Fi or Ethernet connection and an Expo account for EAS services.

Expo Training Course Outline

[Day 1 - Morning]

Expo Application Architecture and Navigation

- Expo's place in the React Native ecosystem, use cases, limitations, and workflow options.
- Initializing and understanding a project's structure, application configuration, and resource organization.
- Principles of Expo Router, file-based routing, screens, route groups, and layouts.
- Building stack and tab navigation, passing parameters, and managing deep links.
- Designing reusable interfaces, adaptive styling, and accommodating differences between platforms.
- Hands-on workshop: structuring a catalog application with Expo Router, tab navigation, and detail screen.

[Day 1 - Afternoon]

Native Features and Local Data

- Using Expo modules and understanding the role of app configuration.
- Managing permissions and integrating mobile features such as the camera, location, or sharing.
- Native configuration using config plugins and identifying changes that require a new build.
- Local storage, preference persistence, and protection of sensitive information with Expo SecureStore.
- Handling asynchronous calls, loading states, errors, and refreshing remote data.
- Hands-on workshop: developing a simulated login flow, persisting a session token, and securing access to a profile screen.

[Day 2 - Morning]

Debugging and Development Builds

- Comparison between Expo Go and development builds based on the project's dependencies and native requirements.
- Creating a development client with expo-dev-client and running it on an emulator or .
- Using debugging tools, the developer menu, network inspection, and app logs.
- Configuring profiles in eas.json to separate the development, preview, and production environments.
- Managing environment variables, application credentials, and native runtime compatibility.
- Hands-on workshop: Create a development build, configure EAS profiles, and test the app on an emulator or a device.

[Day 2 - Afternoon]

Deployment, Updates, and Production Strategy

- Preparing a release build with EAS Build, signatures, versions, and release profiles.
- Organizing EAS Update channels to deploy patches to preview and production environments.
- Understanding the runtime version and preventing incompatibilities between JavaScript bundles and native code.
- Pre-release validation strategy, regression testing, update control, and rollback plan.
- Best practices for publishing to app stores, version tracking, and automation Gradual rollouts.
- Hands-on workshop: Define a complete delivery workflow, including build preview, update channel, validation, and production preparation.

Target Audience

This training is intended for both individuals and companies—large or small—that wish to train their teams in new, advanced IT technologies or to acquire specific business knowledge or modern methods.

Assessment at the Start of Training

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency in various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

Teaching Methods

Hands-On Training: 60% Practical, 40% Theoretical. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the instructor—supported by examples and reflection sessions—and group work.

Assessment

At the end of the session, a multiple-choice quiz is administered to verify that participants have successfully acquired the skills.

Certification

A certificate will be issued to each trainee who has completed the entire training program.