

Deploying an application

Deploying your application is the process of compiling, or building, your code and hosting the JavaScript, CSS, and HTML on a web server.

This section builds on the previous steps in the Getting Started tutorial and shows you how to deploy your application.

Prerequisites

A best practice is to run your project locally before you deploy it. To run your project locally, you need the following installed on your computer:

- Node.js.
- The Angular CLI. From the terminal, install the Angular CLI globally with:

```
npm install -g @angular/cli
```

With the Angular CLI, you can use the command **ng** to create new workspaces, new projects, serve your application during development, or produce builds to share or distribute.

Running your application locally

1. Download the source code from your StackBlitz project by clicking the **Download Project** icon in the left menu, across from **Project**, to download your project as a zip archive.
2. Unzip the archive and change directory to the newly created project. For example:

```
cd angular-ynqttp
```

3. To download and install npm packages, use the following npm CLI command:

```
npm install
```

4. Use the following CLI command to run your application locally:

```
ng serve
```

5. To see your application in the browser, go to <http://localhost:4200/>. If the default port 4200 is not available, you can specify another port with the port flag as in the following example:

```
ng serve --port 4201
```

While serving your application, you can edit your code and see the changes update automatically in the browser. To stop the **ng serve** command, press **Ctrl+c**.

{@a building} ## Building and hosting your application

1. To build your application for production, use the **build** command. By default, this command uses the **production** build configuration.

ng build

This command creates a **dist** folder in the application root directory with all the files that a hosting service needs for serving your application.

If the above **ng build** command throws an error about missing packages, append the missing dependencies in your local project's **package.json** file to match the one in the downloaded StackBlitz project.

2. Copy the contents of the **dist/my-project-name** folder to your web server. Because these files are static, you can host them on any web server capable of serving files; such as **Node.js**, Java, .NET, or any backend such as Firebase, Google Cloud, or App Engine. For more information, see Building & Serving and Deployment.

What's next

In this tutorial, you've laid the foundation to explore the Angular world in areas such as mobile development, UX/UI development, and server-side rendering. You can go deeper by studying more of Angular's features, engaging with the vibrant community, and exploring the robust ecosystem.

Learning more Angular

For a more in-depth tutorial that leads you through building an application locally and exploring many of Angular's most popular features, see Tour of Heroes.

To explore Angular's foundational concepts, see the guides in the Understanding Angular section such as Angular Components Overview or Template syntax.

Joining the community

Tweet that you've completed this tutorial, tell us what you think, or submit suggestions for future editions.

Keep current by following the Angular blog.

Exploring the Angular ecosystem

To support your UX/UI development, see Angular Material.

The Angular community also has an extensive network of third-party tools and libraries.

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