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# 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.

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## 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:

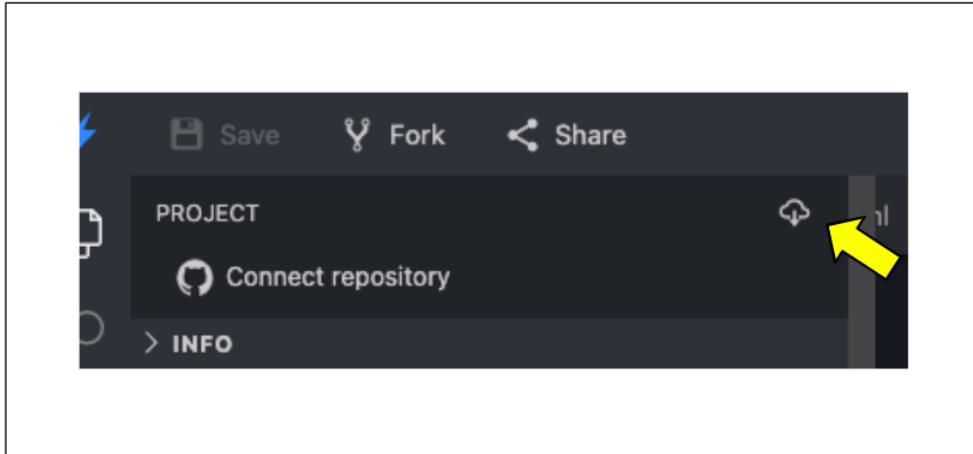
```
npm install -g @angular/cli
```

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.

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# 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

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g 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`.

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# 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](#).

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## 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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