# Convert Electron App to Standalone Application

## 1. Install Dependencies

First, ensure you have `npm` and `Node.js` installed.

Install `electron-packager` by running the following command:

npm install electron-packager --save-dev

Alternatively, you can use `electron-builder` if you need advanced options for creating installers.

## 2. Update package.json

Add the `main` field to point to your `main.js` file (or the file where you initialize Electron):

{  
 "name": "image-to-pdf-app",  
 "version": "1.0.0",  
 "description": "An app to convert images to PDF",  
 "main": "main.js",  
 "scripts": {  
 "start": "electron ."  
 },  
 "devDependencies": {  
 "electron": "^25.0.0",  
 "electron-packager": "^16.0.0"  
 }  
}

## 3. Package the App

Use `electron-packager` to package the app.

### Run the Packaging Command

Run the following in the terminal:

npx electron-packager . image-to-pdf-app --platform=win32 --arch=x64 --out=dist --overwrite

Command Breakdown:

- `.`: Refers to the current directory as the source.  
- `image-to-pdf-app`: The name of your app.  
- `--platform=win32`: Specifies Windows as the target platform. For macOS, use `darwin`; for Linux, use `linux`.  
- `--arch=x64`: Specifies 64-bit architecture. For 32-bit, use `ia32`.  
- `--out=dist`: Outputs the packaged files in the `dist` folder.  
- `--overwrite`: Overwrites existing builds in the `dist` folder.

## 4. Optional: Add Icons

To use a custom icon for your app, provide an icon in `.ico` format for Windows or `.icns` for macOS.

### Add the Icon:

1. Save your icon file as `icon.ico`.

2. Place it in your project directory.

### Modify the Packaging Command:

Add the `--icon` flag to the packaging command:

npx electron-packager . image-to-pdf-app --platform=win32 --arch=x64 --out=dist --icon=icon.ico --overwrite

## 5. Distribute the App

Once packaged, you can distribute the app by sharing the executable (`.exe` for Windows) in the `dist` folder.

For creating an installer, consider using `electron-builder`. Install it with:

npm install electron-builder --save-dev

You can configure it in `package.json` with a `build` script for generating installers.