

## Paso a paso de Primer Punto de Gestión de Configuración:

### Creando carpeta node-docker-app e inicializando el package.json:

```
(base) stephanomejiamorales@Stephanos-MacBook-Air Gestion de la configuracion % ls
Docker                                Reto 2 Gestión de la Configuración.pdf
Docker Compose                       ejemplo-docker-compose
GESTION_DE_DATOS                     ejemplo-git-63
Repo_Consola                         git
Reto 2 Gestión de la Configuración.docx
(base) stephanomejiamorales@Stephanos-MacBook-Air Gestion de la configuracion % mkdir node-docker-app
(base) stephanomejiamorales@Stephanos-MacBook-Air Gestion de la configuracion % cd node-docker-app
(base) stephanomejiamorales@Stephanos-MacBook-Air node-docker-app % npm init -y
Wrote to /Users/stephanomejiamorales/Documents/Universidad de Medellin/Semestre VI/Gestion de la configuracion/node-docker-app/package.json:

{
  "name": "docker-app",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": ""
}
```

### Editando app.js:

```
UW PICO 5.09 File: app.js Modified
const http = require("http");
const port = 3000;
const server = http.createServer((req, res) => {
  res.writeHead(200, {"Content-Type": "text/plain"});
  res.end("Hello,Docker!");
});
server.listen(port, () => {
  console.log(`Server running at http://localhost:${port}`);
});
```

### Editando Dockerfile:

```
UW PICO 5.09 File: Dockerfile
FROM node:18-alpine
WORKDIR /app
COPY package*.json ./
RUN npm install
COPY . .
EXPOSE 3000
CMD["node", "app.js"]
```

## Construyendo la imagen de Docker:

```
(base) stephanomejiamorales@Stephanos-MacBook-Air node-docker-app % docker build -t node-docker-app .

[+] Building 57.3s (11/11) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile                0.0s
=> => transferring dockerfile: 152B                                0.0s
=> [internal] load metadata for docker.io/library/node:18-alpine  6.4s
=> [auth] library/node:pull token for registry-1.docker.io        0.0s
=> [internal] load .dockerignore                                   0.0s
=> => transferring context: 2B                                       0.0s
=> [1/5] FROM docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118945588d0a35cb9bc4b 50.3s
=> => resolve docker.io/library/node:18-alpine@sha256:8d6421d663b4c28fd3ebc498332f249011d118945588d0a35cb9bc4b8 0.0s
=> => sha256:02bb84e9f3412827f177bc6c020812249b32a8425d2c1858e9d71bd4c015f031 443B / 443B 0.4s
=> => sha256:d84c815451acbc9a96b6e6bdb479929222bec57121dfe10cc5b128c5c2dbaf10a 39.66MB / 39.66MB 49.9s
=> => sha256:8bfa36aa66ce614f6da68a16fb71f875da8d623310f0cb80ae1ecfa092f587f6 1.26MB / 1.26MB 8.4s
=> => sha256:6e771e15690e2fabf2332d3a3b744495411d6e0b00b2aea64419b58b0066cf81 3.99MB / 3.99MB 23.6s
=> => extracting sha256:6e771e15690e2fabf2332d3a3b744495411d6e0b00b2aea64419b58b0066cf81 0.1s
=> => extracting sha256:d84c815451acbc9a96b6e6bdb479929222bec57121dfe10cc5b128c5c2dbaf10a 0.4s
=> => extracting sha256:8bfa36aa66ce614f6da68a16fb71f875da8d623310f0cb80ae1ecfa092f587f6 0.0s
=> => extracting sha256:02bb84e9f3412827f177bc6c020812249b32a8425d2c1858e9d71bd4c015f031 0.0s
=> [internal] load build context                                   0.0s
=> => transferring context: 739B                                       0.0s
=> [2/5] WORKDIR /app                                             0.0s
=> [3/5] COPY package*.json ./                                    0.0s
=> [4/5] RUN npm install                                           0.3s
=> [5/5] COPY . .                                                  0.0s
=> exporting to image                                             0.1s
=> => exporting layers                                                0.1s
=> => exporting manifest sha256:bfd865e3c1274030ee17b52fd39b48deb34abdd86a05f064784e20025b52556 0.0s
=> => exporting config sha256:62b7b481a0a37fa5a2dd9b64e33b8a48bf40a3d3f5efa313fb65e5bbd9695186 0.0s
=> => exporting attestation manifest sha256:bed8b5345316991ca58c8372100c4e2c3d7cfcdd5dd2e59e99bd2c39f5e418e64 0.0s
=> => exporting manifest list sha256:bf6441adafb45b5f1c349c43a39433beaf841cee7c7210b79ef38e63959275ba 0.0s
=> => naming to docker.io/library/node-docker-app:latest           0.0s
=> => unpacking to docker.io/library/node-docker-app:latest        0.0s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/9jdg93fo31vxkktabl2u0ln3l
(base) stephanomejiamorales@Stephanos-MacBook-Air node-docker-app %
```

## Corriendo la app de Docker:

```
((base) stephanomejiamorales@Stephanos-MacBook-Air node-docker-app % docker run -p 3000:3000 node-docker-app
Server running at http://localhost:3000
```

## HelloWorld Docker:



