

Node-RED

Docker & FIWARE ORION



01

INSTALACION DOCKER

Instalación docker

Descargar Docker Desktop

02

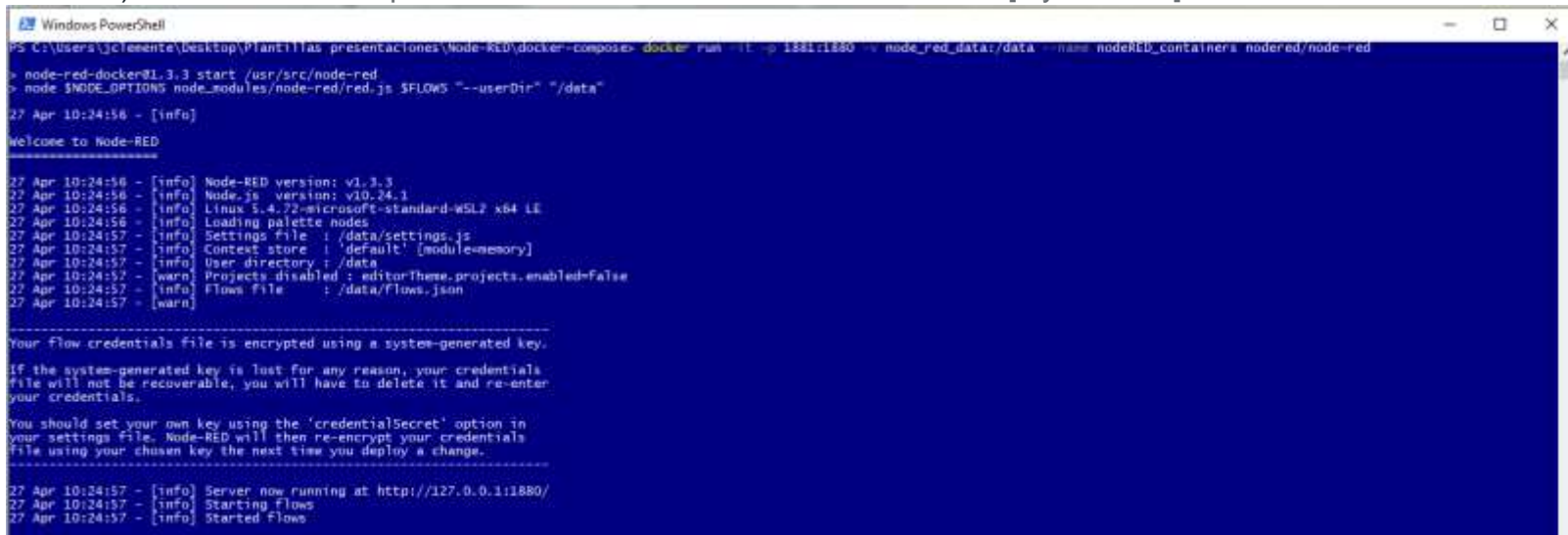
EJECUCION DOCKER

INSTALLATION

1. Instalar Docker

2. Ejecutar:

a) `docker run -it -p 1880:1880 -v node-red_data:/data --name [mynodered] nodered/node-red`



```
Windows PowerShell
PS C:\Users\jcllementa\Desktop\PianTillas presentaciones\Node-RED\docker-compose> docker run -it -p 1880:1880 -v node-red_data:/data --name nodered_containers nodered/node-red

> node-red-docker@1.3.3 start /usr/src/node-red
> node $NODE_OPTIONS node_modules/node-red/red.js $FLOWS "--userDir" "/data"

27 Apr 10:24:56 - [info]
Welcome to Node-RED

-----
27 Apr 10:24:56 - [info] Node-RED version: v1.3.3
27 Apr 10:24:56 - [info] Node.js version: v10.24.1
27 Apr 10:24:56 - [info] Linux 5.4.72-microsoft-standard-WSL2 x64 LE
27 Apr 10:24:56 - [info] Loading palette nodes
27 Apr 10:24:57 - [info] Settings file : /data/settings.js
27 Apr 10:24:57 - [info] Context store : 'default' [module=memory]
27 Apr 10:24:57 - [info] User directory : /data
27 Apr 10:24:57 - [warn] Projects disabled : editorTheme.projects.enabled=false
27 Apr 10:24:57 - [info] Flows file : /data/flows.json
27 Apr 10:24:57 - [warn]

-----
Your flow credentials file is encrypted using a system-generated key.

If the system-generated key is lost for any reason, your credentials
file will not be recoverable, you will have to delete it and re-enter
your credentials.

You should set your own key using the 'credentialSecret' option in
your settings file. Node-RED will then re-encrypt your credentials
file using your chosen key the next time you deploy a change.

-----
27 Apr 10:24:57 - [info] Server now running at http://127.0.0.1:1880/
27 Apr 10:24:57 - [info] Starting flows
27 Apr 10:24:57 - [info] Started flows
```

03

EJECUCION DOCKER-COMPOSE

INSTALLATION

1. Instalar Docker & Docker-Compose
2. Crear fichero docker-compose
3. Ejecutar
 - a) `docker-compose up -d`

```
version: "3.7"
services:
  node-red:
    container_name: nodeRED
    image: nodered/node-red
    restart: unless-stopped
    volumes:
      - "./node-red:/data"
    ports:
      - "1880:1880"
    networks:
      - elk

networks:
  elk:
    driver: bridge
```

04

INSTALAR PAQUETES (DOCKER)

Instalar paquetes (docker instance)

Hay dos opciones:

1. Manage palette. Tab install.
2. Acceder al contenedor para instalar los paquetes. Necesitamos conocer el nombre del contenedor.

Instalar paquetes (docker instance)

- `docker exec -it [node-RED_instanceName]`
- `cd /data`
- `npm install node-red-dashboard`
- `npm install node-red-contrib-startup-trigger`
- `exit`
- `docker stop [node-RED_instanceName]`
- `docker start [node-RED_instanceName]`