

Workflow Automation using n8n

Introducción

Instalar en WSL Debian 12

#Actualizar el sistema

sudo apt update

sudo apt upgrade -y

```
rodrigo@RodrigoTR:~$ sudo apt update && sudo apt upgrade -y
[sudo] password for rodrigo:
Hit:1 http://deb.debian.org/debian bookworm InRelease
Get:2 http://security.debian.org/debian-security bookworm-security InRelease [48.0 kB]
Get:3 http://ftp.debian.org/debian bookworm-backports InRelease [59.4 kB]
Get:4 http://deb.debian.org/debian bookworm-updates InRelease [55.4 kB]
Hit:5 https://download.docker.com/linux/debian bookworm InRelease
Fetched 163 kB in 2s (96.8 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
W: https://download.docker.com/linux/debian/dists/bookworm/InRelease: Key is stored in legacy trusted.gpg keyring (/etc/
apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
rodrigo@RodrigoTR:~$
```

#Instalar nvm (node versión manager)

curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.3/install.sh | bash

source ~/.bashrc # or ~/.profile, depending on your shell

```
rodrigo@RodrigoTR:~$ curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.3/install.sh | bash
source ~/.bashrc # or ~/.profile, depending on your shell
% Total    % Received % Xferd Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left   Speed
100 15916  100 15916    0     0  47558      0 --:--:-- --:--:-- --:--:-- 47510
=> Downloading nvm from git to '/home/rodrigo/.nvm'
=> Cloning into '/home/rodrigo/.nvm'...
remote: Enumerating objects: 383, done.
remote: Counting objects: 100% (383/383), done.
remote: Compressing objects: 100% (326/326), done.
remote: Total 383 (delta 43), reused 179 (delta 29), pack-reused 0 (from 0)
Receiving objects: 100% (383/383), 391.78 KiB | 1.04 MiB/s, done.
Resolving deltas: 100% (43/43), done.
* (HEAD detached at FETCH_HEAD)
   master
=> Compressing and cleaning up git repository

=> Appending nvm source string to /home/rodrigo/.bashrc
=> Appending bash_completion source string to /home/rodrigo/.bashrc
=> Close and reopen your terminal to start using nvm or run the following to use it now:

export NVM_DIR="$HOME/.nvm"
[ -s "$NVM_DIR/nvm.sh" ] && \. "$NVM_DIR/nvm.sh" # This loads nvm
[ -s "$NVM_DIR/bash_completion" ] && \. "$NVM_DIR/bash_completion" # This loads nvm bash_completion
rodrigo@RodrigoTR:~$
```

#Instalar Node.js

nvm install 20

nvm use 20

nvm alias default 20

```
rodrigo@RodrigoTR:~$ nvm install 20
Downloading and installing node v20.19.5...
Downloading https://nodejs.org/dist/v20.19.5/node-v20.19.5-linux-x64.tar.xz...
##### 100.0%
Computing checksum with sha256sum
Checksums matched!
Now using node v20.19.5 (npm v10.8.2)
Creating default alias: default -> 20 (-> v20.19.5)
rodrigo@RodrigoTR:~$ nvm use 20
Now using node v20.19.5 (npm v10.8.2)
rodrigo@RodrigoTR:~$ nvm alias default 20
default -> 20 (-> v20.19.5)
rodrigo@RodrigoTR:~$
```

#verificar instalación

node -v

npm -v

```
rodrigo@RodrigoTR:~$ node -v
v20.19.5
rodrigo@RodrigoTR:~$ npm -v
10.8.2
rodrigo@RodrigoTR:~$
```

#Instalar n8n globalmente

npm install -g n8n

```
rodrigo@RodrigoTR:~$ npm install -g n8n
npm warn ERESOLVE overriding peer dependency
npm warn While resolving: @n8n/typeorm@0.3.20-12
npm warn Found: @sentry/node@9.46.0
npm warn node_modules/n8n/node_modules/@sentry/node
npm warn   @sentry/node@"^9.42.1" from n8n@1.115.3
npm warn   node_modules/n8n
npm warn     n8n@"*" from the root project
npm warn   2 more (@n8n/task-runner, n8n-core)
npm warn
npm warn Could not resolve dependency:
npm warn peerOptional @sentry/node@"<=8.x" from @n8n/typeorm@0.3.20-12
npm warn node_modules/n8n/node_modules/@n8n/typeorm
npm warn   @n8n/typeorm@"0.3.20-12" from n8n@1.115.3
npm warn   node_modules/n8n
npm warn   3 more (@n8n/backend-test-utils, @n8n/db, @n8n/n8n-nodes-langchain)
```

#verificar instalación

n8n --versión

```
236 packages are looking for funding
  run `npm fund` for details
npm notice
npm notice New major version of npm available! 10.8.2 -> 11.6.2
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.6.2
npm notice To update run: npm install -g npm@11.6.2
npm notice
rodrigo@RodrigoTR:~$ n8n --version
1.115.3
```

#Iniciar n8n

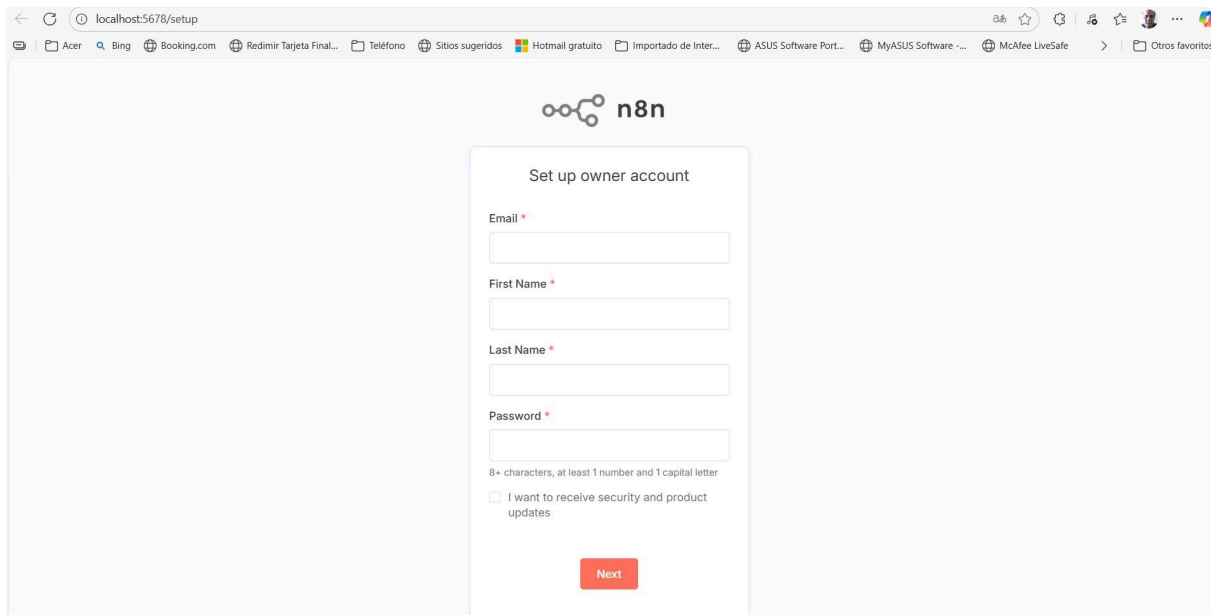
n8n start

```
rodrigo@RodrigoTR:~$ n8n start
No encryption key found - Auto-generating and saving to: /home/rodrigo/.n8n/config
Permissions 0644 for n8n settings file /home/rodrigo/.n8n/config are too wide. This is ignored for now, but in the future n8n will attempt to change the permissions automatically. To automatically enforce correct permissions now set N8N_ENFORCE_SETTINGS_FILE_PERMISSIONS=true (recommended), or turn this check off set N8N_ENFORCE_SETTINGS_FILE_PERMISSIONS=false.
```

#o simplemente

n8n

#acceder a la interface n8n
http://localhost:5678



The screenshot shows the n8n web interface at localhost:5678/setup. The page has a light gray background with the n8n logo at the top center. A white card in the center contains the 'Set up owner account' form. The form includes input fields for Email, First Name, Last Name, and Password, each with a red asterisk indicating it is required. Below the password field is a note: '8+ characters, at least 1 number and 1 capital letter'. There is also a checkbox for 'I want to receive security and product updates'. A red 'Next' button is at the bottom of the form.

Set up owner account

Email *

First Name *

Last Name *

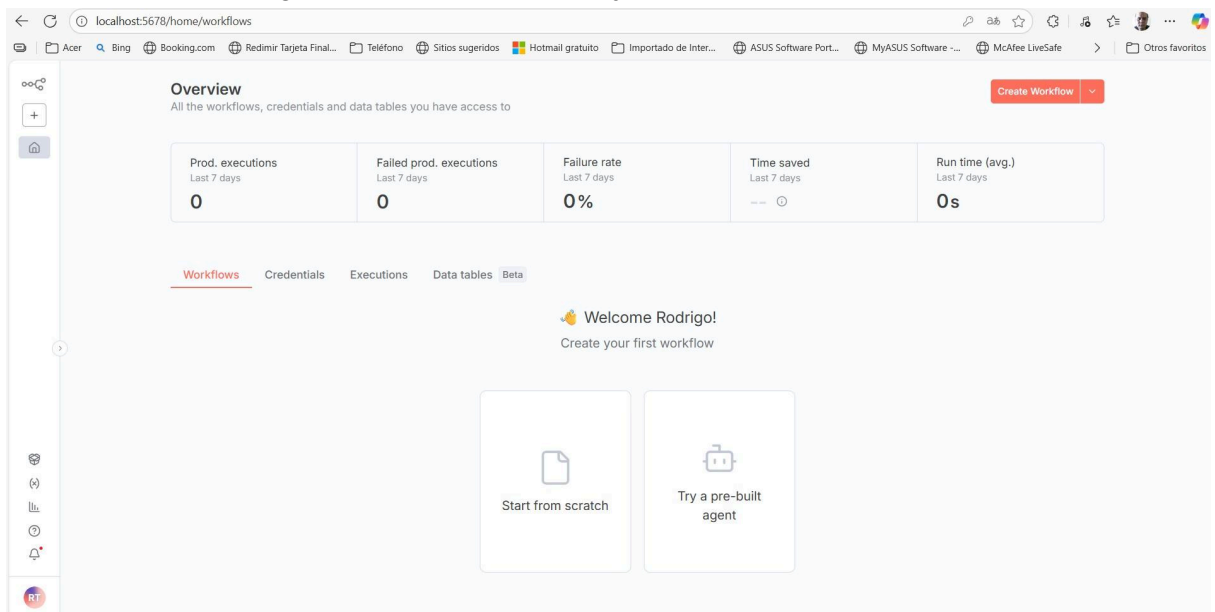
Password *

8+ characters, at least 1 number and 1 capital letter

☐ I want to receive security and product updates

Next

#Tras completar el registro esta listo para trabajar



The screenshot shows the n8n home/workflows overview page. The page has a light gray background with a sidebar on the left containing icons for home, workflows, credentials, executions, data tables, and a beta section. The main content area is titled 'Overview' and includes a subtitle 'All the workflows, credentials and data tables you have access to'. A red 'Create Workflow' button is in the top right. Below the title is a table with five columns: 'Prod. executions', 'Failed prod. executions', 'Failure rate', 'Time saved', and 'Run time (avg.)'. Each column has a value and a 'Last 7 days' label. Below the table are tabs for 'Workflows', 'Credentials', 'Executions', 'Data tables', and 'Beta'. A welcome message 'Welcome Rodrigo!' and 'Create your first workflow' is displayed. Two buttons are shown: 'Start from scratch' and 'Try a pre-built agent'.

Overview

All the workflows, credentials and data tables you have access to

Create Workflow

Prod. executions Last 7 days	Failed prod. executions Last 7 days	Failure rate Last 7 days	Time saved Last 7 days	Run time (avg.) Last 7 days
0	0	0%	-- ○	0s

Workflows Credentials Executions Data tables Beta

Welcome Rodrigo!

Create your first workflow

Start from scratch

Try a pre-built agent