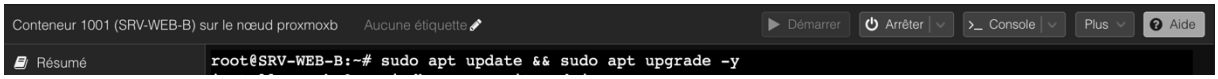
Documentation déploiement

Prérequis



Installation des dépendances

```
root@SRV-WEB-B:~# sudo apt install apache2 mariadb-server nodejs npm -y
sudo npm install -g pm2
```

```
Get:439 http://archive.ubuntu.com/ubuntu jammy/universe amd64 node-read-package-json all 4.1.1-1 [10.4 k
B]
99% [439 node-read-package-json 0 B/10.4 kB 0%]
100% [Working]

Get:440 http://archive.ubuntu.com/ubuntu jammy/universe amd64 node-tap all 12.0.1+ds-4 [43.6 kB]
100% [440 node-tap 0 B/43.6 kB 0%]
Progress: [  4%] [##..........................................................]

Get:441 http://archive.ubuntu.com/ubuntu jammy/universe amd64 npm all 8.5.1~ds-1 [894 kB]
100% [441 npm 0 B/894 kB 0%]
100% [Working]

Fetched 198 MB in 16s (12.1 MB/s)
Progress: [ 99%] [#############################################################################################
#########.] g packages ...
[                    ] \ idealTree:@pm2/agent: timing idealTree:node_modules/pm2/node_modules/@pm2/agent C
root@SRV-WEB-B:~# itiestailsfunding packages in 19s
```

Capture de l’installation…

On teste effectue des contrôles des versions pour chaque dépendance installé.

```
root@SRV-WEB-B:~# apache2 -v
Server version: Apache/2.4.52 (Ubuntu)
Server built:   2024-03-18T13:41:27
root@SRV-WEB-B:~# mysql --version
mysql  Ver 15.1 Distrib 10.6.21-MariaDB, for debian-linux-gnu (x86_64) using  EditLine wrapper
root@SRV-WEB-B:~# node -v
v12.22.9
root@SRV-WEB-B:~# npm -v
8.5.1
root@SRV-WEB-B:~# pm2 -v

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                          Runtime Edition

        PM2 is a Production Process Manager for Node.js applications
                     with a built-in Load Balancer.

                Start and Daemonize any application:
                $ pm2 start app.js

                Load Balance 4 instances of api.js:
                $ pm2 start api.js -i 4

                Monitor in production:
                $ pm2 monitor

                Make pm2 auto-boot at server restart:
```

Récupérer les dernières versions de node et npm

```
root@SRV-WEB-B:~# sudo apt-get update
Get:1 https://deb.nodesource.com/node_23.x nodistro InRelease [12.1 kB]
Hit:2 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu jammy-security InRelease
Get:5 https://deb.nodesource.com/node_23.x nodistro/main amd64 Packages [3526 B]
Fetched 15.7 kB in 2s (9977 B/s)
Reading package lists... Done
root@SRV-WEB-B:~# node -v
v23.10.0
root@SRV-WEB-B:~# npm -v
10.9.2
```

cd /var/www et cloner le repo

```
root@SRV-WEB-B:~# sudo apt-get update
Get:1 https://deb.nodesource.com/node_23.x nodistro InRelease [12.1 kB]
Hit:2 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu jammy-security InRelease
Get:5 https://deb.nodesource.com/node_23.x nodistro/main amd64 Packages [3526 B]
Fetched 15.7 kB in 2s (9977 B/s)
Reading package lists... Done
root@SRV-WEB-B:~# node -v
v23.10.0
root@SRV-WEB-B:~# npm -v
10.9.2
```

Aller dans MariaDB

```
root@SRV-WEB-B:/var/www/GestInv# sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 31
Server version: 10.6.21-MariaDB-0ubuntu0.22.04.2 Ubuntu 22.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>
```

Créer la base ‘db_slam_ap’ et création du user

```
CREATE DATABASE db_slam_ap;
CREATE USER 'user'@'localhost' IDENTIFIED BY 'admin';
GRANT ALL PRIVILEGES ON db_slam_ap.* TO 'user'@'localhost';
FLUSH PRIVILEGES;
EXIT;
```

```
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 32
Server version: 10.6.21-MariaDB-0ubuntu0.22.04.2 Ubuntu 22.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>
MariaDB [(none)]> CREATE DATABASE db_slam_ap;
ERROR 1007 (HY000): Can't create database 'db_slam_ap'; database exists
MariaDB [(none)]> CREATE USER 'user'@'localhost' IDENTIFIED BY 'admin';
Query OK, 0 rows affected (0.090 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON db_slam_ap.* TO 'user'@'localhost';
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> EXIT;
```

Rajouter le .env avec les variables d’environnement

```
root@SRV-WEB-B:/var/www/GestInv/backend# ls
Authent   Pharmacie  Users   jest.config.ts  package.json  tsconfig.json
Commande  Produits   config  nodemon.json    server.ts
root@SRV-WEB-B:/var/www/GestInv/backend# cat
  GNU nano 6.2                                                  .env

DB_PORT = 3306
DB_USER = "user"
DB_PASSWORD = "admin"
DB_HOST = "localhost"
DB_NAME = 'db_slam_ap'
```

Retourner à la racine du projet et installer les dépendances avec npm

```
MariaDB [db_slam_ap]> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| db_slam_ap         |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.001 sec)

MariaDB [db_slam_ap]>
```

```
MariaDB [db_slam_ap]> USE db_slam_ap;
Database changed
MariaDB [db_slam_ap]> SHOW TABLES;
+----------------------+
| Tables_in_db_slam_ap |
+----------------------+
| t_categorie          |
| t_commande           |
| t_log_admin          |
| t_pharmacie          |
| t_produit            |
| t_user               |
| tj_commande_produit  |
+----------------------+
7 rows in set (0.001 sec)

MariaDB [db_slam_ap]>
```

```
root@SRV-WEB-B:/var/www/GestInv/backend# cd ..
root@SRV-WEB-B:/var/www/GestInv# npm install
npm warn deprecated abab@2.0.6: Use your platform's native atob() and btoa() methods instead
```

Se connecter à la VM:

Via proxmox: https://10.74.0.202:8006

Compte proxmox:

User: GRP_SLAM1

Mdp: slam2025

Compte VM:

User: root

Password: !2024