

# Stability AI

Stability AI est une intelligence artificielle de type text2image. StableStudio est la version opensource officielle de l'IA *Stability AI* fondée sur [DreamStudio](#).

## Installation

L'installation de Stability Studio sur un ordinateur est bien documentée et assez aisée. Une documentation complète est disponible en ligne : <https://github.com/Stability-AI/StableStudio>

Le texte ci-après est la simple traduction en français de cette documentation, amendée de certains éléments.

Nous avons testé une installation sur une des stations Ubuntu du BIK'LAB le 19 mai 2023.

## Éléments préalables

### Mise à jour de la station

Comme d'habitude avant toute opération sur une station on s'assure de détenir les droits sudo et que la station est à jour

```
sudo apt update && sudo apt upgrade|y
```

### Installation de Node.js

```
curl -fsSL https://deb.nodesource.com/setup_20.x | sudo -E bash - &&\nsudo apt-get install -y nodejs
```

### Installation de yarn

```
sudo corepack enable
```

### Cle API Stable Studio

Pour activer votre installation de Stable Studio, vous devez créer un compte sur Dreamstudio et récupérer une clé API sur <https://dreamstudio.ai/account>

## Installation

```
git clone https://github.com/Stability-AI/StableStudio.git  
cd StableStudio  
  
yarn  
  
yarn dev
```

Cette dernière commande va télécharger l'ensemble des packages nécessaires à l'installation

```
user@user-laptop:~/bin/StableStudio
Réception de :1 https://deb.nodesource.com/node_20.x jammy/main amd64 nodejs amd64 28.2.0-deb-1nodesource1 [30,3 MB]
38,3 Mo réceptionnés en 47s (646 ko/s)
Sélection du paquet nodejs précédemment désélectionné.
(Lecture de la base de données... 541789 fichiers et répertoires déjà installés.)
Préparation du dépaquetage de .../nodejs_20.2.0-deb-1nodesource1_amd64.deb ...
Dépaquetage de nodejs (20.2.0-deb-1nodesource1) ...
Paramétrage de nodejs (20.2.0-deb-1nodesource1) ...
Traitement des actions différences (= triggers =) pour man-db (2.18.2-1) ...
user@user-laptop:~/Downloads$ corepack enable
Internal Error: EACCES: permission denied, symlink '../lib/node_modules/corepack/dist/pnpm.js' -> '/usr/bin/pnpm'
Error: EACCES: permission denied, symlink '../lib/node_modules/corepack/dist/pnpm.js' -> '/usr/bin/pnpm'
user@user-laptop:~/Downloads$ sudo corepack enable
user@user-laptop:~/Downloads$ cd ~/bin/
user@user-laptop:~/bin$ cd StableStudio/
user@user-laptop:~/bin/StableStudio$ yarn
> YN8865: Yarn will periodically gather anonymous telemetry: https://yarnpkg.com/advanced/telemetry
> YN8865: Run yarn config set --home enableTelemetry 8 to disable

> YN0000: Resolution step
YN0002: @stability/stablestudio-plugin-example@workspace:packages/stablestudio-plugin-example doesn't provide @types/node (pe4c4e), requested by ts-node
YN0002: | @stability/stablestudio-plugin-webgpu@workspace:packages/stablestudio-plugin-webgpu doesn't provide @types/node (ple18d), requested by ts-node
YN0002: | @stability/stablestudio-plugin-webui@workspace:packages/stablestudio-plugin-webui doesn't provide @types/node (p09698), requested by ts-node
YN0002: | @stability/stablestudio-plugin@workspace:packages/stablestudio-plugin doesn't provide @types/node (pb7ed9), requested by ts-node
YN0002: | notistack@npm:3.0.1 [47cbf] doesn't provide css-type (p2d22e), requested by goober
YN0000: Some peer dependencies are incorrectly met; run yarn explain peer-requirements <hash> for details, where <hash> is the six-letter p-pr
fixed code
YN0000: | Completed in 0s 299ms
YN0000: Fetch step
YN0013: yon@npm:3.1.1 can't be found in the cache and will be fetched from the remote registry
YN0013: yocto-queue@npm:0.1.0 can't be found in the cache and will be fetched from the remote registry
YN0013: zundo@npm:2.0.6-beta.15 can't be found in the cache and will be fetched from the remote registry
YN0013: zustand@npm:4.3.7 can't be found in the cache and will be fetched from the remote registry
YN0013: zwitche@npm:2.0.4 can't be found in the cache and will be fetched from the remote registry
YN0000: =====
```

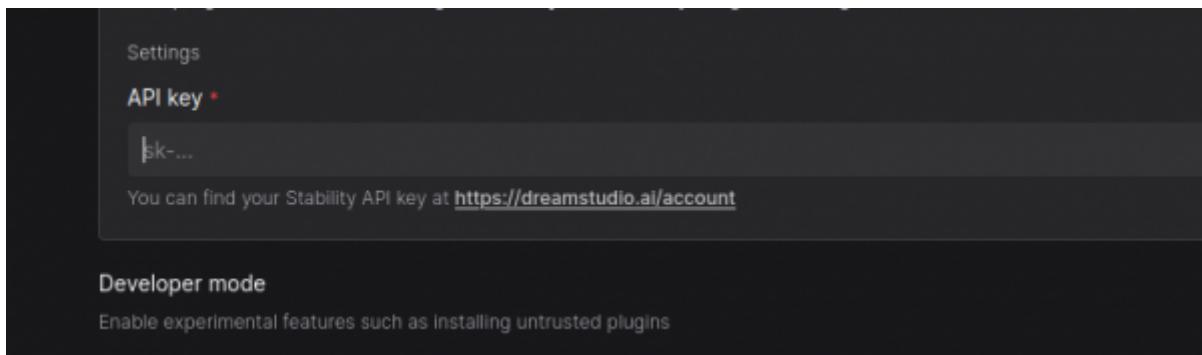
Ensuite le serveur se lance et il suffit de se connecter à <http://localhost:3000>

```
user@user-laptop:~/Desktop/stable/stablestudio
```

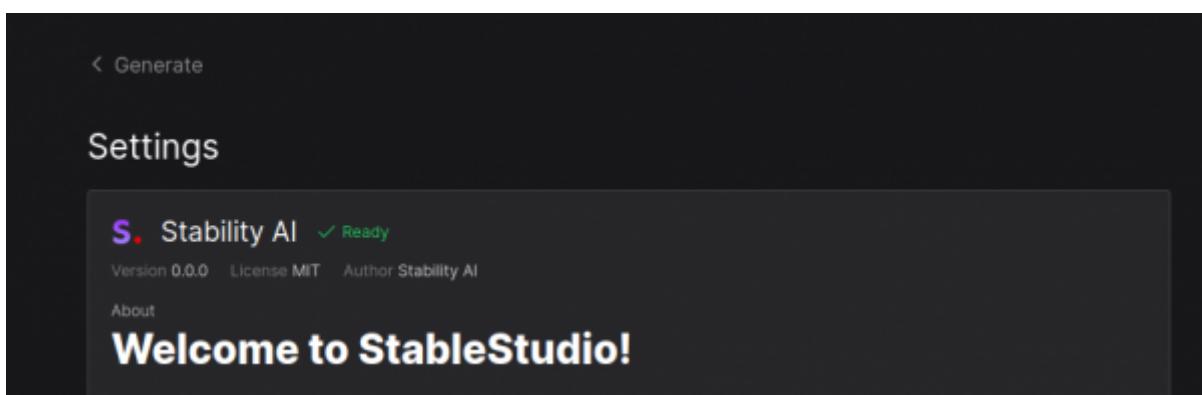
[0] YN8800: [estability/stablestudio-plugin]: Process started  
YN8800: [estability/stablestudio-plugin-example]: Process started  
YN8800: [estability/stablestudio-plugin-stability]: Process started  
YN8800: [estability/stablestudio-plugin-webgpu]: Process started  
YN8800: [estability/stablestudio-plugin-webui]: Process started  
YN8800: [estability/stablestudio-ui]: Process started  
YN8800: [estability/stablestudio-plugin-example]: [nodemon] 2.0.22  
YN8800: [estability/stablestudio-plugin-example]: [nodemon] to restart at any time, enter 'rs'  
YN8800: [estability/stablestudio-plugin-example]: [nodemon] watching path(s): src/\*\*/\*  
YN8800: [estability/stablestudio-plugin-example]: [nodemon] watching extensions: ts,tsx,json  
YN8800: [estability/stablestudio-plugin-example]: [nodemon] starting 'yarn build'  
YN8800: [estability/stablestudio-plugin]: [nodemon] 2.0.22  
YN8800: [estability/stablestudio-plugin]: [nodemon] to restart at any time, enter 'rs'  
YN8800: [estability/stablestudio-plugin]: [nodemon] watching path(s): src/\*\*/\*  
YN8800: [estability/stablestudio-plugin]: [nodemon] watching extensions: ts,tsx,json  
YN8800: [estability/stablestudio-plugin]: [nodemon] starting 'yarn build'  
YN8800: [estability/stablestudio-plugin-webui]: [nodemon] 2.0.22  
YN8800: [estability/stablestudio-plugin-webui]: [nodemon] to restart at any time, enter 'rs'  
YN8800: [estability/stablestudio-plugin-webui]: [nodemon] watching path(s): src/\*\*/\*  
YN8800: [estability/stablestudio-plugin-webui]: [nodemon] watching extensions: ts,tsx,json  
YN8800: [estability/stablestudio-plugin-webui]: [nodemon] starting 'yarn build'  
YN8800: [estability/stablestudio-plugin-webgpu]: [nodemon] 2.0.22  
YN8800: [estability/stablestudio-plugin-webgpu]: [nodemon] to restart at any time, enter 'rs'  
YN8800: [estability/stablestudio-plugin-webgpu]: [nodemon] watching path(s): src/\*\*/\*  
YN8800: [estability/stablestudio-plugin-webgpu]: [nodemon] watching extensions: ts,tsx,json  
YN8800: [estability/stablestudio-plugin-webgpu]: [nodemon] starting 'yarn build'  
YN8800: [estability/stablestudio-plugin-stability]: [nodemon] 2.0.22  
YN8800: [estability/stablestudio-plugin-stability]: [nodemon] to restart at any time, enter 'rs'  
YN8800: [estability/stablestudio-plugin-stability]: [nodemon] watching path(s): src/\*\*/\*  
YN8800: [estability/stablestudio-plugin-stability]: [nodemon] watching extensions: ts,json  
YN8800: [estability/stablestudio-plugin-stability]: [nodemon] starting 'yarn build'  
YN8800: [estability/stablestudio-ui]: VITE v4.3.4 ready in 1863 ms  
YN8800: [estability/stablestudio-ui]:  
YN8800: [estability/stablestudio-ui]: + Local: http://localhost:3000/  
YN8800: [estability/stablestudio-ui]: + Network: use --host to expose  
YN8800: [estability/stablestudio-ui]: + press h to show help

## Clé API

Ouvrez l'adresse <http://localhost:3000> avec votre navigateur, scrollez tout en bas de la page en saisissez votre clé API StableStudio



Vous pouvez vérifier la validité de votre clé et sa prise en compte par le système qui affiche en vert un tick marqué ready en haut de page.



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