

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:~/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
> YN0065: Yarn will periodically gather anonymous telemetry: https://yarnpkg.com/advanced/telemetry
> YN0065: Run yarn config set --home enableTelemetry 0 to disable

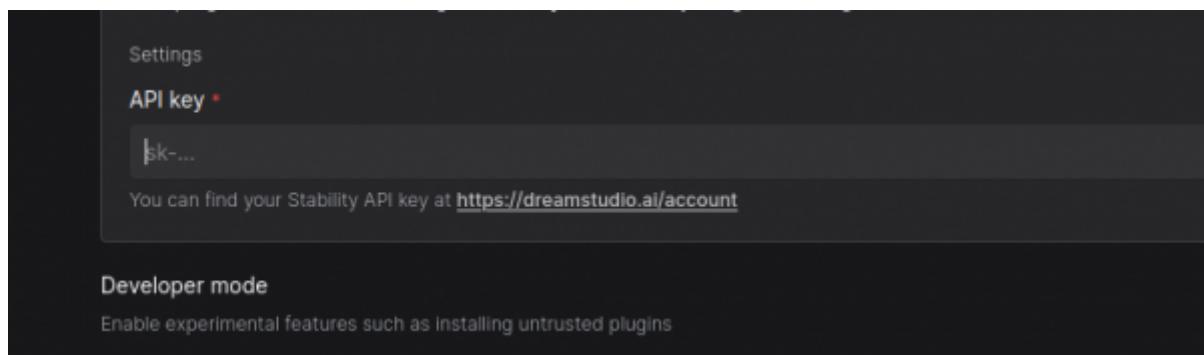
YN0000: Resolution step
YN0002: @stability/stablestudio-plugin-example@workspace:packages/stablestudio-plugin-example doesn't provide @types/node (pe4c4e), requested by ts-node
YN0002: | @stability/stablestudio-plugin-webgpu@workspace:packages/stablestudio-plugin-webgpu doesn't provide @types/node (ple18d), 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 (pb27ed9), requested by ts-node
YN0002: | notistack@npm:3.0.1 [47cbf] doesn't provide cstype (p2d2e2), 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
efixed code
YN0000: Completed in 0s 290ms
YN0000: Fetch step
YN0013: yn@npm:3.1.1 can't be found in the cache and will be fetched from the remote registry
YN0013: yoco@npm:0.1.8 can't be found in the cache and will be fetched from the remote registry
YN0013: zundo@npm:2.0.0-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: zwitcho@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>

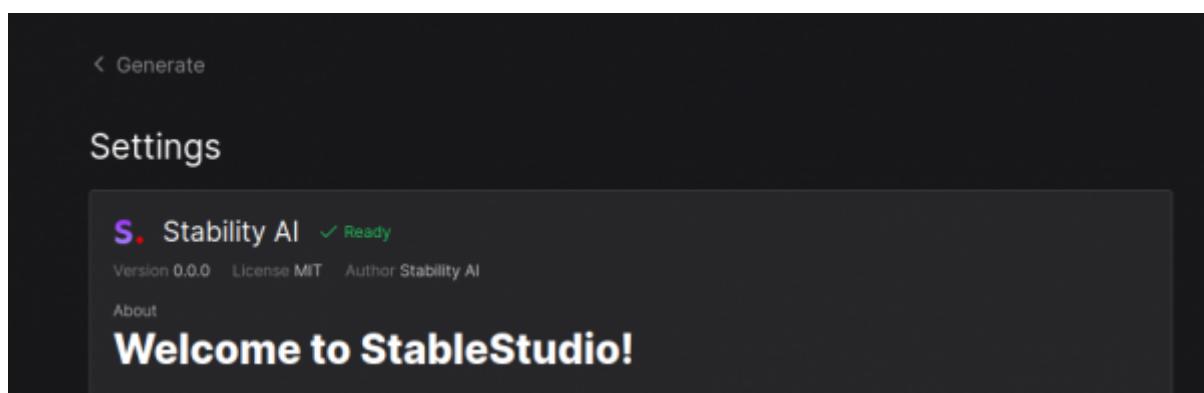
```
user@user-laptop:~/Downloads/StableStudio$ yarn dev
YN0000: [stability/stablestudio-plugin]: Process started
YN0000: [stability/stablestudio-plugin-example]: Process started
YN0000: [stability/stablestudio-plugin-stability]: Process started
YN0000: [stability/stablestudio-plugin-webgpu]: Process started
YN0000: [stability/stablestudio-plugin-webui]: Process started
YN0000: [stability/stablestudio-plugin-ui]: Process started
YN0000: [stability/stablestudio-plugin-example]: [nodemon] 2.0.22
YN0000: [stability/stablestudio-plugin-example]: [nodemon] to restart at any time, enter 'rs'
YN0000: [stability/stablestudio-plugin-example]: [nodemon] watching path(s): src/**/*
YN0000: [stability/stablestudio-plugin-example]: [nodemon] watching extensions: ts,tsx,json
YN0000: [stability/stablestudio-plugin-example]: [nodemon] starting 'yarn build'
YN0000: [stability/stablestudio-plugin]: [nodemon] 2.0.22
YN0000: [stability/stablestudio-plugin]: [nodemon] to restart at any time, enter 'rs'
YN0000: [stability/stablestudio-plugin]: [nodemon] watching path(s): src/**/*
YN0000: [stability/stablestudio-plugin]: [nodemon] watching extensions: ts,tsx,json
YN0000: [stability/stablestudio-plugin]: [nodemon] starting 'yarn build'
YN0000: [stability/stablestudio-plugin-webui]: [nodemon] 2.0.22
YN0000: [stability/stablestudio-plugin-webui]: [nodemon] to restart at any time, enter 'rs'
YN0000: [stability/stablestudio-plugin-webui]: [nodemon] watching path(s): src/**/*
YN0000: [stability/stablestudio-plugin-webui]: [nodemon] starting 'yarn build'
YN0000: [stability/stablestudio-plugin-webgpu]: [nodemon] 2.0.22
YN0000: [stability/stablestudio-plugin-webgpu]: [nodemon] to restart at any time, enter 'rs'
YN0000: [stability/stablestudio-plugin-webgpu]: [nodemon] watching path(s): src/**/*
YN0000: [stability/stablestudio-plugin-webgpu]: [nodemon] watching extensions: ts,tsx,json
YN0000: [stability/stablestudio-plugin-webgpu]: [nodemon] starting 'yarn build'
YN0000: [stability/stablestudio-plugin-stability]: [nodemon] 2.0.22
YN0000: [stability/stablestudio-plugin-stability]: [nodemon] to restart at any time, enter 'rs'
YN0000: [stability/stablestudio-plugin-stability]: [nodemon] watching path(s): src/**/*
YN0000: [stability/stablestudio-plugin-stability]: [nodemon] watching extensions: ts,json
YN0000: [stability/stablestudio-plugin-stability]: [nodemon] starting 'yarn build'
YN0000: [stability/stablestudio-plugin-ui]:
YN0000: [stability/stablestudio-plugin-ui]: VITE v4.3.4 ready in 1863 ms
YN0000: [stability/stablestudio-ui]:
YN0000: [stability/stablestudio-ui]: + Local: http://localhost:3000/
YN0000: [stability/stablestudio-ui]: + Network: use --host to expose
YN0000: [stability/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.



Arrêter StableStudio

Pour arrêter le service, il suffit de taper q dans la console

Raccourcis StableStudio

```
Shortcuts
press r to restart the server
press u to show server url
press o to open in browser
press c to clear console
press q to quit
```

Relancer StableStudio

```
yarn  
yarn dev
```

Acheter des crédits supplémentaires

Lors de la création d'un nouveau compte, 50 crédits gratuits sont attribués.

Ensuite, il faut [acheter des crédits supplémentaires](#) via [votre compte dream studio](#) : 10\$ pour environ 5000 images

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