

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
```

Clé 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 20.2.0-deb-1nodesource1 [30,3 MB]
30,3 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 différées (= triggers =>) pour man-db (2.10.2-1) ...
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
  YN0000: Yarn will periodically gather anonymous telemetry: https://yarnpkg.com/advanced/telemetry
  YN0000: Run yarn config set --host 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 (pb7ed9), requested by ts-node
  YN0002: notistack@npm:3.0.1 [47cbf] doesn't provide csstype (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
  YN0000: Completed in 8s 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-queue@npm:0.1.8 can't be found in the cache and will be fetched from the remote registry
  YN0013: zundog@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: zwitch@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>

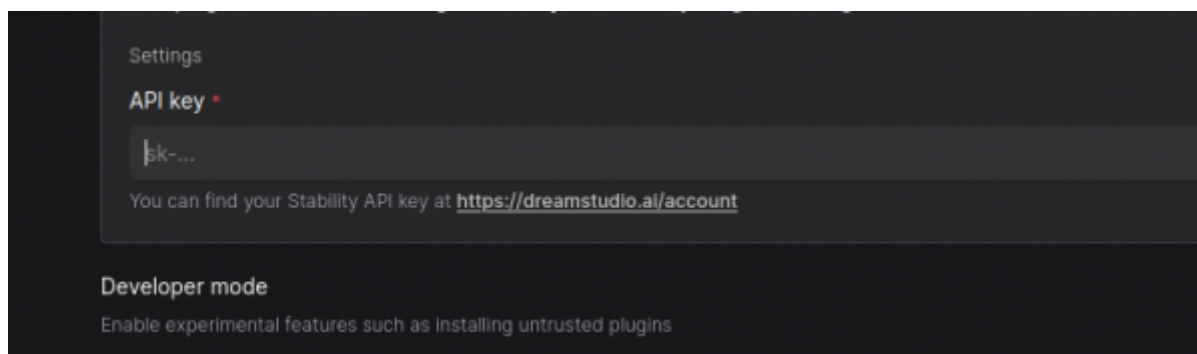
```

user@user-laptop: ~/bin/StableStudio
  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-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] watching extensions: ts,tsx,json
  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,tsx,json
  YN0000: [@stability/stablestudio-plugin-stability]: [nodemon] starting 'yarn build'
  YN0000: [@stability/stablestudio-ui]:
  YN0000: [@stability/stablestudio-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

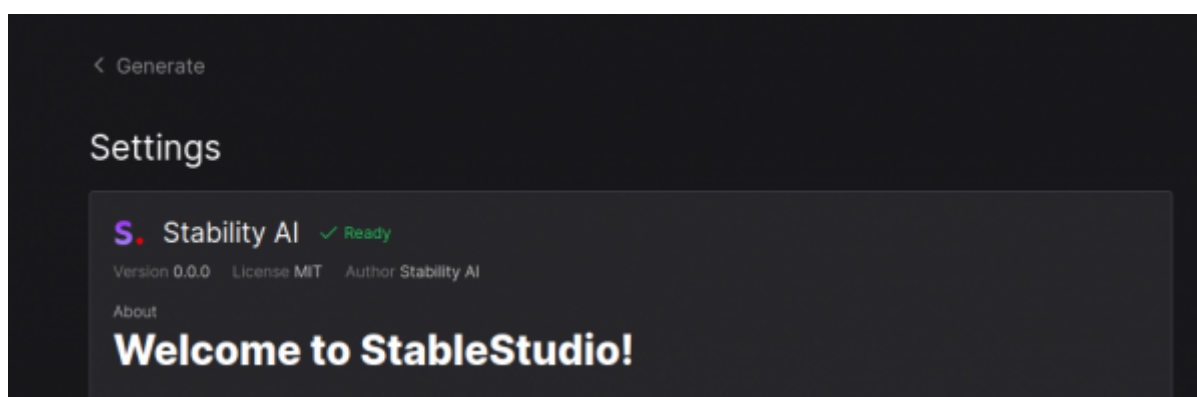
```

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.



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