

Stability AI (StableStudio)

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
Yarn8665: Yarn will periodically gather anonymous telemetry: https://yarnpkg.com/advanced/telemetry
Yarn8665: Run yarn config set --host enableTelemetry 0 to disable

Yarn8666: Resolution step
Yarn8667: @stability/stablestudio-plugin-example@workspace:packages/stablestudio-plugin-example doesn't provide @types/node {pe4c4e}, requested
by ts-node
Yarn8668: @stability/stablestudio-plugin-webgpu@workspace:packages/stablestudio-plugin-webgpu doesn't provide @types/node {plc18d}, requested by
ts-node
Yarn8669: @stability/stablestudio-plugin-webui@workspace:packages/stablestudio-plugin-webui doesn't provide @types/node {p09598}, requested by t
s-node
Yarn8670: @stability/stablestudio-plugin@workspace:packages/stablestudio-plugin doesn't provide @types/node {pb7ed9}, requested by ts-node
Yarn8671: notistack@npm:3.0.1 [47cbf] doesn't provide csstype {p2d22e}, requested by goober
Yarn8672: Some peer dependencies are incorrectly set; run yarn explain peer-requirements <hash> for details, where <hash> is the six-letter p-pr
efixed code
Yarn8673: Completed in 0s 298ms
Yarn8674: Fetch step
Yarn8675: yn@npm:3.1.1 can't be found in the cache and will be fetched from the remote registry
Yarn8676: yocto-queue@npm:0.1.0 can't be found in the cache and will be fetched from the remote registry
Yarn8677: zundo@npm:2.0.0-beta.15 can't be found in the cache and will be fetched from the remote registry
Yarn8678: zustand@npm:4.3.7 can't be found in the cache and will be fetched from the remote registry
Yarn8679: zwitch@npm:2.0.4 can't be found in the cache and will be fetched from the remote registry
Yarn8680:

```

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

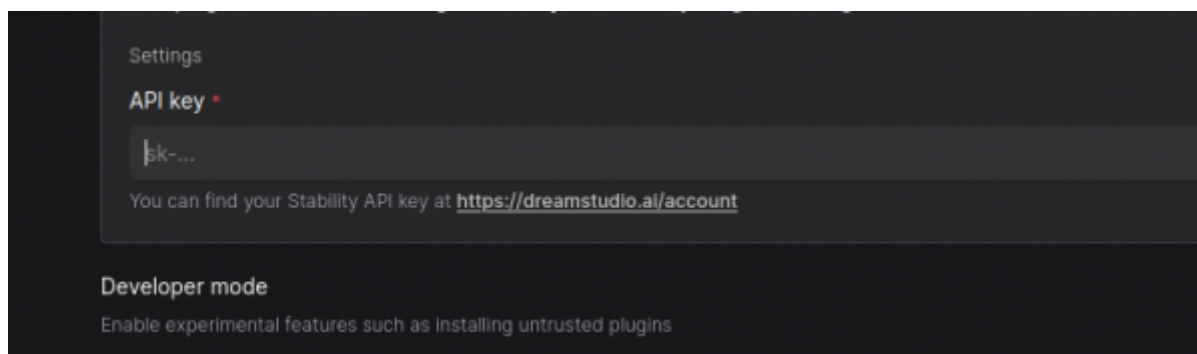
```

user@osmc-laptop: ~/Downloads/stablestudio
YNN000: [@stability/stablestudio-plugin]: Process started
YNN000: [>@stability/stablestudio-plugin-example]: Process started
YNN000: [>@stability/stablestudio-plugin-stability]: Process started
YNN000: [>@stability/stablestudio-plugin-webgpu]: Process started
YNN000: [>@stability/stablestudio-plugin-webui]: Process started
YNN000: [>@stability/stablestudio-ui]: Process started
YNN000: [>@stability/stablestudio-plugin-example]: [nodemon] 2.0.22
YNN000: [>@stability/stablestudio-plugin-example]: [nodemon] to restart at any time, enter 'rs'
YNN000: [>@stability/stablestudio-plugin-example]: [nodemon] watching path(s): src/**/*
YNN000: [>@stability/stablestudio-plugin-example]: [nodemon] watching extensions: ts,tsx,json
YNN000: [>@stability/stablestudio-plugin-example]: [nodemon] starting 'yarn build'
YNN000: [>@stability/stablestudio-plugin]: [nodemon] 2.0.22
YNN000: [>@stability/stablestudio-plugin]: [nodemon] to restart at any time, enter 'rs'
YNN000: [>@stability/stablestudio-plugin]: [nodemon] watching path(s): src/**/*
YNN000: [>@stability/stablestudio-plugin]: [nodemon] watching extensions: ts,tsx,json
YNN000: [>@stability/stablestudio-plugin]: [nodemon] starting 'yarn build'
YNN000: [>@stability/stablestudio-plugin-webui]: [nodemon] 2.0.22
YNN000: [>@stability/stablestudio-plugin-webui]: [nodemon] to restart at any time, enter 'rs'
YNN000: [>@stability/stablestudio-plugin-webui]: [nodemon] watching path(s): src/**/*
YNN000: [>@stability/stablestudio-plugin-webui]: [nodemon] watching extensions: ts,tsx,json
YNN000: [>@stability/stablestudio-plugin-webui]: [nodemon] starting 'yarn build'
YNN000: [>@stability/stablestudio-plugin-webgpu]: [nodemon] 2.0.22
YNN000: [>@stability/stablestudio-plugin-webgpu]: [nodemon] to restart at any time, enter 'rs'
YNN000: [>@stability/stablestudio-plugin-webgpu]: [nodemon] watching path(s): src/**/*
YNN000: [>@stability/stablestudio-plugin-webgpu]: [nodemon] watching extensions: ts,tsx,json
YNN000: [>@stability/stablestudio-plugin-webgpu]: [nodemon] starting 'yarn build'
YNN000: [>@stability/stablestudio-plugin-stability]: [nodemon] 2.0.22
YNN000: [>@stability/stablestudio-plugin-stability]: [nodemon] to restart at any time, enter 'rs'
YNN000: [>@stability/stablestudio-plugin-stability]: [nodemon] watching path(s): src/**/*
YNN000: [>@stability/stablestudio-plugin-stability]: [nodemon] watching extensions: ts,json
YNN000: [>@stability/stablestudio-plugin-stability]: [nodemon] starting 'yarn build'
YNN000: [>@stability/stablestudio-ui]:
YNN000: [>@stability/stablestudio-ui]: VITE v4.3.4 ready in 1863 ms
YNN000: [>@stability/stablestudio-ui]:
YNN000: [>@stability/stablestudio-ui]: + Local: http://localhost:3000/
YNN000: [>@stability/stablestudio-ui]: + Network: use --host to expose
YNN000: [>@stability/stablestudio-ui]: + press h to show help

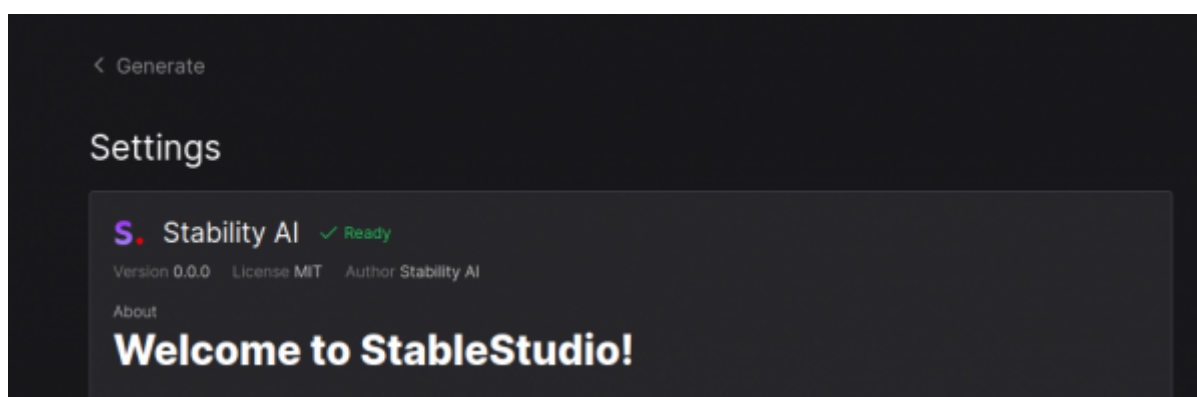
```

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
```

Lancer StableStudio sur le réseau local

```
yarn  
yarn dev --host
```

Il est ensuite possible de se connecter en localhost ou via l'adresse IP locale

```
YN0000: [@stability/stablestudio-plugin]: [nodemon] starting `yarn build --host`  
YN0000: [@stability/stablestudio-ui]:  
YN0000: [@stability/stablestudio-ui]: VITE v4.3.4 ready in 897 ms  
YN0000: [@stability/stablestudio-ui]:  
YN0000: [@stability/stablestudio-ui]: → Local: http://localhost:3000/  
YN0000: [@stability/stablestudio-ui]: → Network: http://192.168.176.17:3000/  
YN0000: [@stability/stablestudio-ui]: → press h to show help
```

Acheter des crédits supplémentaires

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



Précisez bien Guadeloupe sur la page de paiement, sinon, vous aurez 20% de taxes, soit 12\$ au lieu de 10 !

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

From:

<https://wiki.lebiklab.fr/> - Wiki Le BIK'LAB

Permanent link:

https://wiki.lebiklab.fr/doku.php?id=tutos:ia:stability_ai:start&rev=1684683586

Last update: **04/04/2024 15:35**

