

Package: stabilityAI (via r-universe)

August 23, 2024

Title Interact with the API of 'stability.ai'

Version 0.0.1.9000

Description An implementation of calls to interact with the API of 'stability.ai'. The API is documented at <https://platform.stability.ai/docs/api-reference>.

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Encoding UTF-8

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Imports base64enc, httr2, rlang

Repository <https://schochastics.r-universe.dev>

RemoteUrl <https://github.com/schochastics/stabilityAI>

RemoteRef HEAD

RemoteSha 5760fa9d4a83eb19a06d52f4e37ed66b15d70f75

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base64_to_img	<i>Image data uri to file</i>
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Description

Convert a data uri to an image in the correct format and save it to a file.

Usage

```
base64_to_img(img64, slug)
```

Arguments

img64	character, base64 image string as returned by generate_txt2img
slug	character, name of file to export image to. WITHOUT extension

Value

nothing, called for side effects

generate_txt2img	<i>Text to Image Create an image from a text prompt</i>
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Description

Text to Image Create an image from a text prompt

Usage

```
generate_txt2img(
  text_prompts = "",
  engine_id = "stable-diffusion-xl-1024-v0-9",
  Accept = "application/json",
  token = NULL,
  ...
)
```

Arguments

text_prompts	string.
engine_id	string.
Accept	string. One of "application/json" "image/png".
token	either the stability.ai API key or NULL to read it from .Renviron
...	further parameters to pass to the API

Details

for a detailed list of supported parameters see <https://platform.stability.ai/docs/api-reference#tag/v1generation/operation/textToImage>

Value

png image as base64. can be saved with [base64_to_img](#)

Examples

```
## Not run:  
generate_txt2img(text_prompts = "A lighthouse on a cliff")  
  
## End(Not run)
```

get_account_balance	<i>Account balance get balance from your stability.ai account</i>
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Description

Account balance get balance from your stability.ai account

Usage

```
get_account_balance(token = NULL)
```

Arguments

token either the stability.ai API key or NULL to read it from .Renviron

Value

account balance

Examples

```
## Not run:  
get_account_balance()  
  
## End(Not run)
```

get_account_details *Account details get details about your stability.ai account*

Description

Account details get details about your stability.ai account

Usage

```
get_account_details(token = NULL)
```

Arguments

token either the stability.ai API key or NULL to read it from .Renviron

Value

data frame with account details

Examples

```
## Not run:  
get_account_details()  
  
## End(Not run)
```

get_engines_list *Engines list get a list of engines to use*

Description

Engines list get a list of engines to use

Usage

```
get_engines_list(token = NULL)
```

Arguments

token either the stability.ai API key or NULL to read it from .Renviron

Value

data.frame containing engines

Examples

```
## Not run:  
get_eninges_list()  
  
## End(Not run)
```

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