



NVIDIA-SMI 550.54.15										Driver Version: 550.54.15										CUDA Version: 12.4									
GPU		Name		Persistence-M				Bus-Id		Disp.A				Volatile		Uncorr.		ECC											
Fan		Temp		Perf				Pwr:Usage/Cap		Memory-Usage		GPU-Util		Compute M.		MIG M.													
=====										=====										=====									
0		Tesla T4		Off				00000000:00:04.0		Off								0											
N/A		55C		P8				10W / 70W		0MiB / 15360MiB		0%		Default		N/A													

Processes:							
GPU	GI	CI	PID	Type	Process name	GPU Memory	
	ID	ID				Usage	
No running processes found							

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0		Tesla T4				Off		00000000:00:04.0		Off						0													
N/A		61C		P8		11W / 70W		0MiB / 15360MiB				0%		Default		N/A													

Processes:

GPU	GI	CI	PID	Type	Process name	GPU Memory Usage
ID	ID					
No running processes found						

```
pip install -U diffusers
```

```

⇒ Requirement already satisfied: diffusers in /usr/local/lib/python3.11/dist-packages (0.32.2)
Requirement already satisfied: importlib-metadata in /usr/local/lib/python3.11/dist-packages (from diffusers) (8.6.1)
Requirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from diffusers) (3.17.0)
Requirement already satisfied: huggingface-hub>=0.23.2 in /usr/local/lib/python3.11/dist-packages (from diffusers) (0.23.2)
Requirement already satisfied: numpy in /usr/local/lib/python3.11/dist-packages (from diffusers) (1.26.4)
Requirement already satisfied: regex!=2019.12.17 in /usr/local/lib/python3.11/dist-packages (from diffusers) (2024.11.6)
Requirement already satisfied: requests in /usr/local/lib/python3.11/dist-packages (from diffusers) (2.32.3)
Requirement already satisfied: safetensors>=0.3.1 in /usr/local/lib/python3.11/dist-packages (from diffusers) (0.5.2)
Requirement already satisfied: Pillow in /usr/local/lib/python3.11/dist-packages (from diffusers) (11.1.0)
Requirement already satisfied: fsspec>=2023.5.0 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.23.2)
Requirement already satisfied: packaging>=20.9 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.23.2)
Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.23.2)
Requirement already satisfied: tqdm>=4.42.1 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.23.2)
Requirement already satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.23.2)
Requirement already satisfied: zipp>=3.20 in /usr/local/lib/python3.11/dist-packages (from importlib-metadata->diffusers)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests->diffusers)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests->diffusers)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests->diffusers)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests->diffusers)

```

```
from huggingface_hub import notebook_login
```

```
notebook_login()
```



```
from diffusers import StableDiffusionPipeline
import torch
```

```
model_id = "sd-legacy/stable-diffusion-v1-5"
```

```
pipe = StableDiffusionPipeline.from_pretrained(model_id, torch_dtype=torch.float16)
pipe = pipe.to("cuda")
```

```
prompt = "Persons walking with umbrellas"
image = pipe(prompt).images[0]
```

```
image.save("people walking.png")
```



Loading pipeline components...: 100%

7/7 [00:24<00:00, 2.73s/it]

100%

50/50 [00:07<00:00, 7.12it/s]