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# **Autopipeline-Lora**

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PRIA

23/07/16 – I.E.S Fernando Wirtz

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<b>Fecha</b>	<b>Motivo del cambio</b>
	Versión inicial

## Índice

Título 1.....	3
Título 2.....	3
Titulo 3.....	3

# Autopipeline-Lora

Autopipeline:

- Los modelos sacados son directos de huggingface, para poder bajar los modelos tuve que generar un token de acceso en mi perfil al que solo le di permisos de poder navegar en repositorios públicos. Porque de otro modo me prohibía la descarga soltándome un error 403.
- Los modelos utilizados son runwayml/stable-diffusion-v1.5, prompthero/openjourney, stabilityai/stable-diffusion-2.1

Lora:

- Los problemas que tuve en lora fue que usando el código de ejemplo, la variable de cache como estaba signada daba error
- Varios de los modelos que probé, supuestamente no existían, hasta que al final uno funcionó.
- Lora enfocada en pokemons.

Imágenes generadas utilizando autopipeline(prompt en imagen):

```
# unetnerf = pipeline.unet
images = generate_images(prompt)
display_and_save_images(images)
```

The screenshot shows a Jupyter Notebook environment with multiple tabs open. The active tab is titled 'Autopipeline.ipynb'. The code cell contains the command to generate images. Below the code, there are three generated images: 'openjourney' (a colorful, futuristic cityscape at sunset), 'stable-diffusion-2-1' (a more realistic-looking futuristic cityscape with glowing lights), and 'stable-diffusion-v1.5' (a stylized, colorful cityscape). The status bar at the bottom indicates the system temperature is 19°C and the date is 20/05/2025.

```
# Ingresar el prompt
prompt = "A majestic dragon flying over a medieval castle during a thunderstorm, cinematic lighting, ultra detailed, 8K, artstation style" # Puedes cambiar este texto

# Generar y mostrar imágenes
images = generate_images(prompt)
display_and_save_images(images)

# Loading pipeline components... 100% [28/28] [00:23<00:00. 0.73s]
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'. Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
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--- Loading model: promthero/openjourney ...
Loading pipeline components... 100% [28/28] [00:23<00:00. 2.55s]
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
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Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.

--- Loading model: stabilityai/stable-diffusion-2-1 ...
Loading pipeline components... 100% [28/28] [00:09<00:00. 2.94s]
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
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Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.

stable-diffusion-v1-5 openjourney stable-diffusion-2-1
```



Disco 57.29 GB de espacio disponible

Variables Terminal

19°C Soleado

Búsqueda

18:33 T4 (Python 3)

20/05/2025

```
# Ingresar el prompt
prompt = "A tranquil forest scene at sunrise, sun rays filtering through the trees, hyperrealistic, photo quality, high resolution" # Puedes cambiar este texto

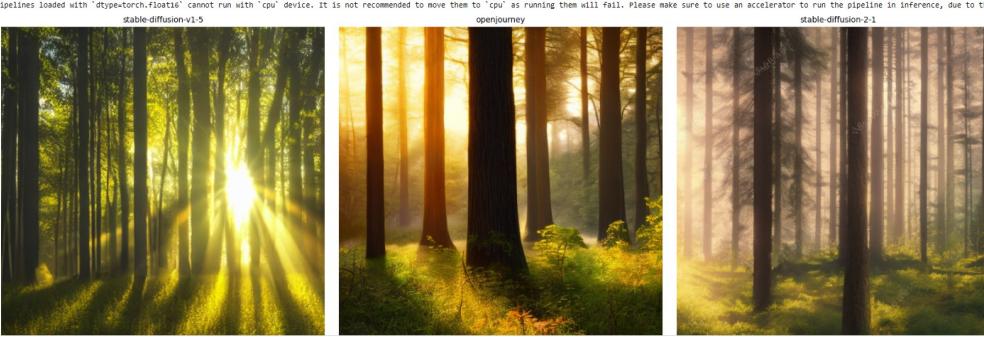
# Generar y mostrar imágenes
images = generate_images(prompt)
display_and_save_images(images)

# Loading pipeline components... 100% [28/28] [00:23<00:00. 0.73s]
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'. Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
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Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.

--- Loading model: promthero/openjourney ...
Loading pipeline components... 100% [28/28] [00:23<00:00. 2.81s]
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
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Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.

--- Loading model: stabilityai/stable-diffusion-2-1 ...
Loading pipeline components... 100% [28/28] [00:16<00:00. 2.51s]
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.
Pipelines loaded with 'dypeatorch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for'float16'.

stable-diffusion-v1-5 openjourney stable-diffusion-2-1
```



Disco 57.29 GB de espacio disponible

Variables Terminal

19°C Soleado

Búsqueda

18:36 T4 (Python 3)

20/05/2025

prompt = "A robot bartender in a neon-lit cyberpunk bar, reflections on metallic surfaces, detailed environment, concept art" # Puedes cambiar este texto

```
# generar y mostrar imágenes
images = generate_images(prompt)
display_and_save_images(images)
```

Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'.

... Loading model: prompthero/openjourney ...

Loading pipeline components... 100% 7/7 [00:23<00:00. 2.57s/q]

Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'.

... Loading model: stabilityai/stable-diffusion-2-1 ...

Loading pipeline components... 100% 6/6 [00:16<00:00. 2.48s/q]

Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'.

Disco 57.29 GB de espacio disponible

Variables Terminal

19°C Soleado

Búsqueda

18:38 T4 (Python 3) 20/05/2025

prompt = "A wise old wizard with a long silver beard, holding a glowing staff, standing in an ancient library, detailed fantasy illustration, character concept art" # Puedes cambiar este texto

```
# generar y mostrar imágenes
images = generate_images(prompt)
display_and_save_images(images)
```

Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'.

... Loading model: prompthero/openjourney ...

Loading pipeline components... 100% 7/7 [00:23<00:00. 2.55s/q]

Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'.

... Loading model: stabilityai/stable-diffusion-2-1 ...

Loading pipeline components... 100% 6/6 [00:17<00:00. 2.55s/q]

Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'. Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'.

Disco 57.29 GB de espacio disponible

Variables Terminal

19°C Soleado

Búsqueda

18:40 T4 (Python 3) 20/05/2025

```

prompt = "a giant frog sitting on top of a floating island in the sky, surrounded by small planets, dreamy atmosphere, whimsical, painterly style" # Puedes cambiar este texto
# Generar y mostrar imágenes
images = generate_images(prompt)
display_and_save_images(images)

Pipeline loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'

... Loading model: prompthero/openjourney ...
Loading pipeline components... 100% 7/7 [00:23<00:00. 2.62s] 100%
100% 2/25 [00:03<00:00. 0.00s]
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'

... Loading model: stabilityai/stable-diffusion-2-1 ...
Loading pipeline components... 100% 0/0 [00:17<00:00. 2.63s] 100%
100% 2/25 [00:08<00:00. 2.68s]
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'

stable-diffusion-v1-5
openjourney
stable-diffusion-2-1

Variables Terminal
19°C Soleado
Búsqueda
18:42 T4 (Python 3) 18:44 20/05/2025

```

```

prompt = "a sprawling futuristic metropolis at night, flying cars, neon signs, reflective glass skyscrapers, cyberpunk aesthetic, ultra detailed, high contrast lighting" # Puedes cambiar este texto
# Generar y mostrar imágenes
images = generate_images(prompt)
display_and_save_images(images)

Pipeline loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'
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... Loading model: prompthero/openjourney ...
Loading pipeline components... 100% 7/7 [00:23<00:00. 2.00s] 100%
100% 2/25 [00:03<00:00. 0.78s]
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'
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... Loading model: stabilityai/stable-diffusion-2-1 ...
Loading pipeline components... 100% 0/0 [00:17<00:00. 2.58s] 100%
100% 2/25 [00:08<00:00. 2.79s]
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'
Pipelines loaded with 'dtype=torch.float16' cannot run with 'cpu' device. It is not recommended to move them to 'cpu' as running them will fail. Please make sure to use an accelerator to run the pipeline in inference, due to the lack of support for 'float16'

stable-diffusion-v1-5
openjourney
stable-diffusion-2-1

Variables Terminal
19°C Soleado
Búsqueda
18:47 T4 (Python 3) 18:47 20/05/2025

```

## Imágenes generadas utilizando lora(prompt en imágenes)

A screenshot of a Jupyter Notebook interface. The main code cell contains Python code for generating a new Pokémon using a Lora scale of 0.9. The generated image is a purple and pink Eevee-like creature with large ears and a long tail. The notebook interface includes a sidebar with file management, a status bar showing disk space and system temperature, and a terminal tab at the bottom.

