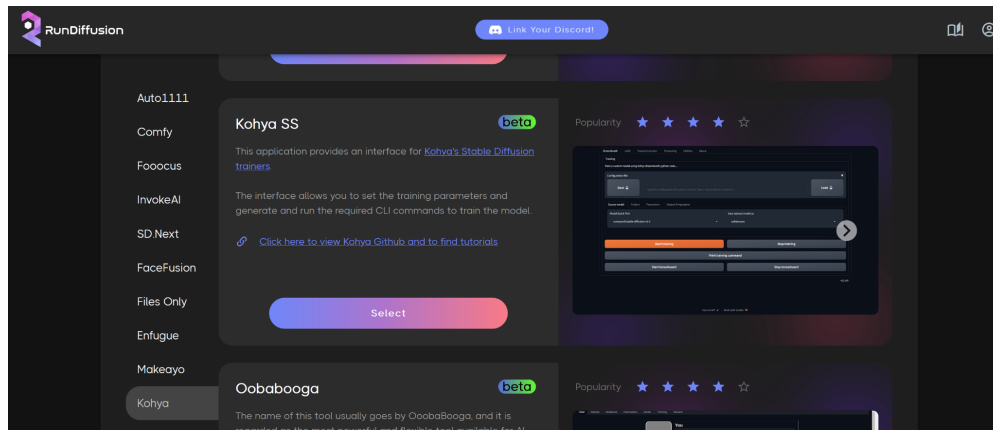
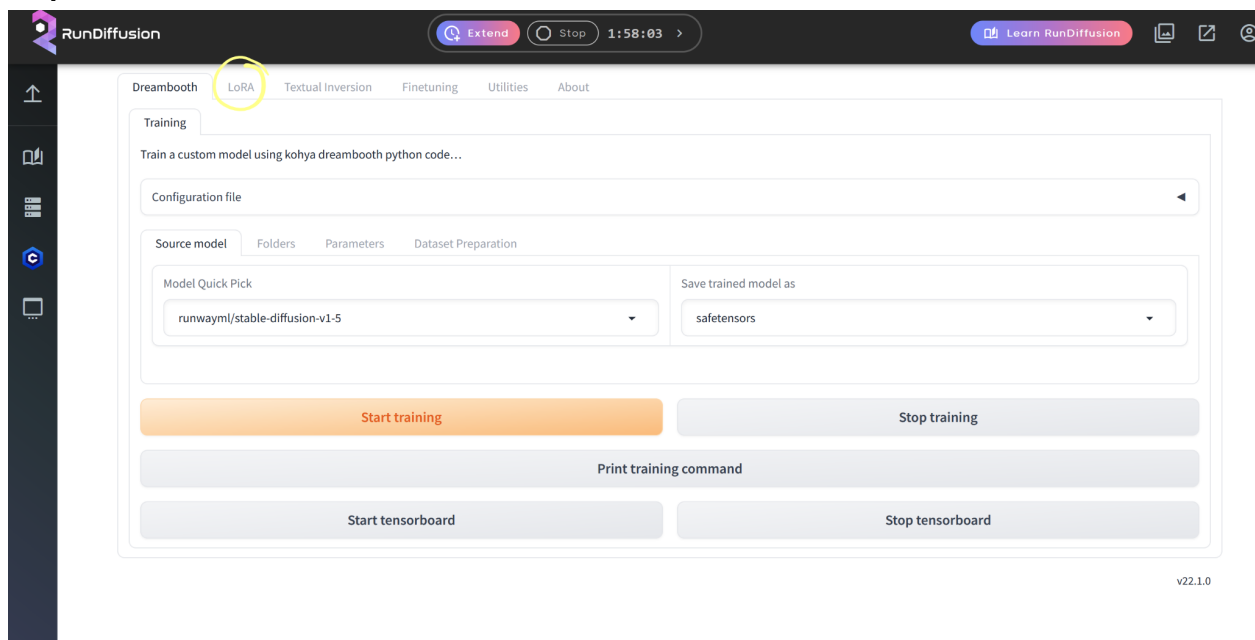


How to setup Kohya Training

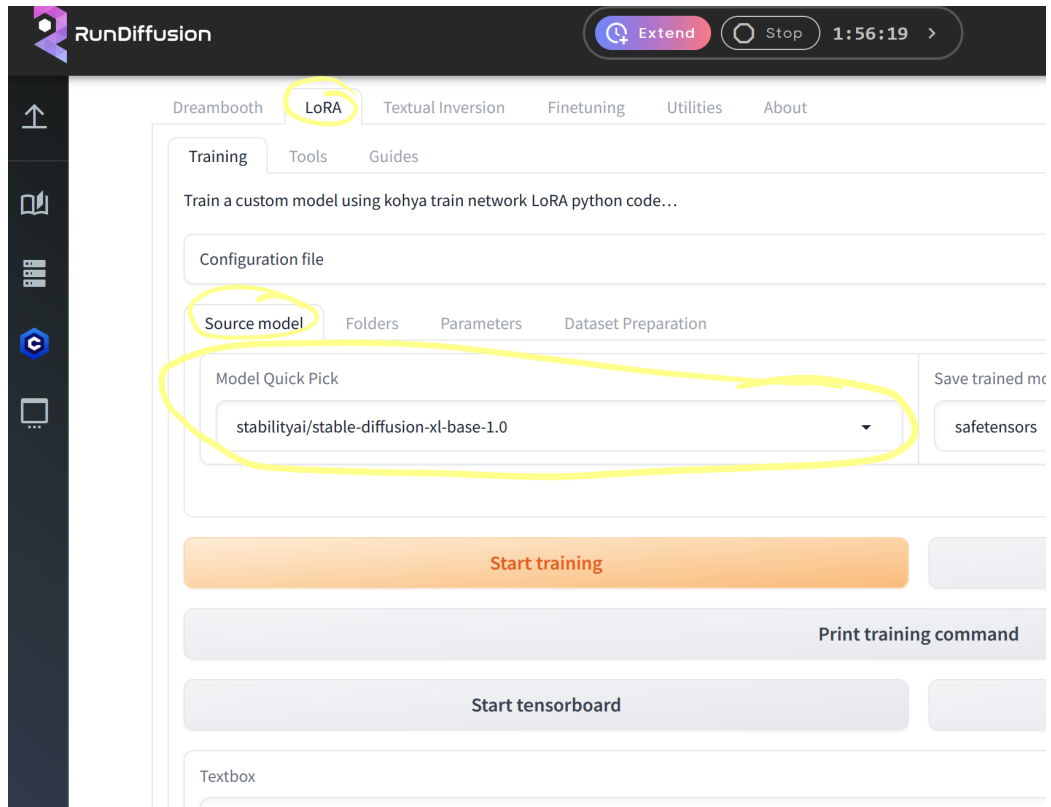
Step 1: Select Kohya on the left side then hit select and continue until it launches.



Step 2: Go to the Lora Tab

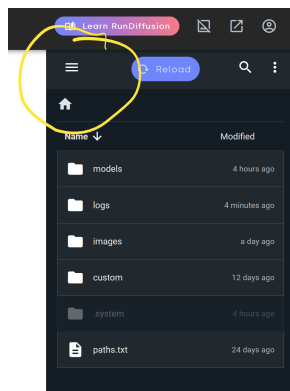


Change Model to Stable-diffusion-xl-base-1.0

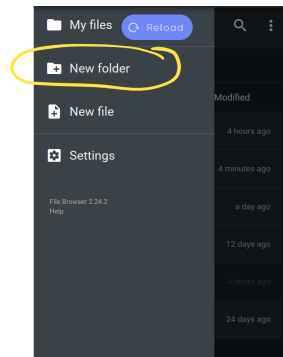


Step 3: Upload Pictures

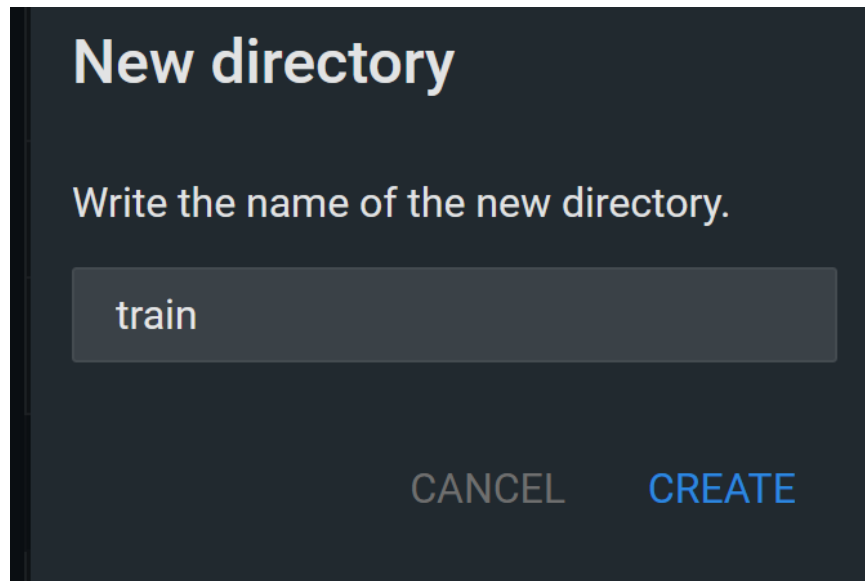
Select the 3 Lines on the right side.



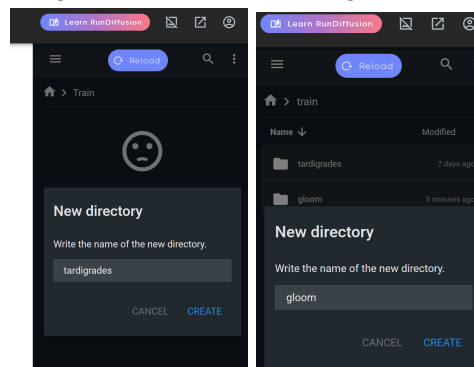
Select New Folder



Label the Folder Train

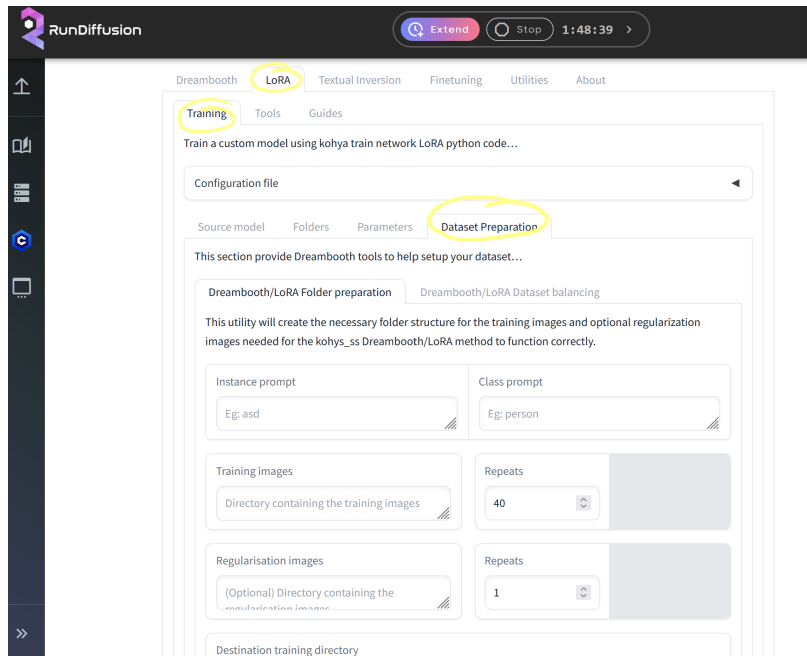


Repeat the process inside the Train Folder to create a second folder where you will put your images. Mine will be tardigrades



Upload your images into your new folder.

Step 4: Setting up Dataset Preparation Tab under the Lora tab.



Instance Prompt: This is the token you will use when prompting later with your Lora.

Class Prompt: Person, Style, etc

Training Images: /mnt/private/train/(Your Folder name)/

Repeats: Let's select 20 for now.

Here is what mine will look like

Destination directory: /mnt/private/Train/(Your Folder name)/

Source model

Folders

Parameters

Dataset Preparation

This section provide Dreambooth tools to help setup your dataset...

Dreambooth/LoRA Folder preparation

Dreambooth/LoRA Dataset balancing

This utility will create the necessary folder structure for the training images and optional regularization images needed for the kohys_ss Dreambooth/LoRA method to function correctly.

Instance prompt

gloom_shadows

Class prompt

style

Training images

/mnt/private/train/gloom/

Repeats

20

Regularisation images

(Optional) Directory containing the
regularisation images

Repeats

1

Destination training directory

/mnt/private/train/gloom/

Select Prepare Training Data. It may not look like anything happened just wait a moment.

Regularisation images

(Optional) Directory containing the
regularisation images

Repeats

1

Destination training directory

/mnt/private/train/gloom/

Prepare training data

Copy info to Folders Tab

Start training

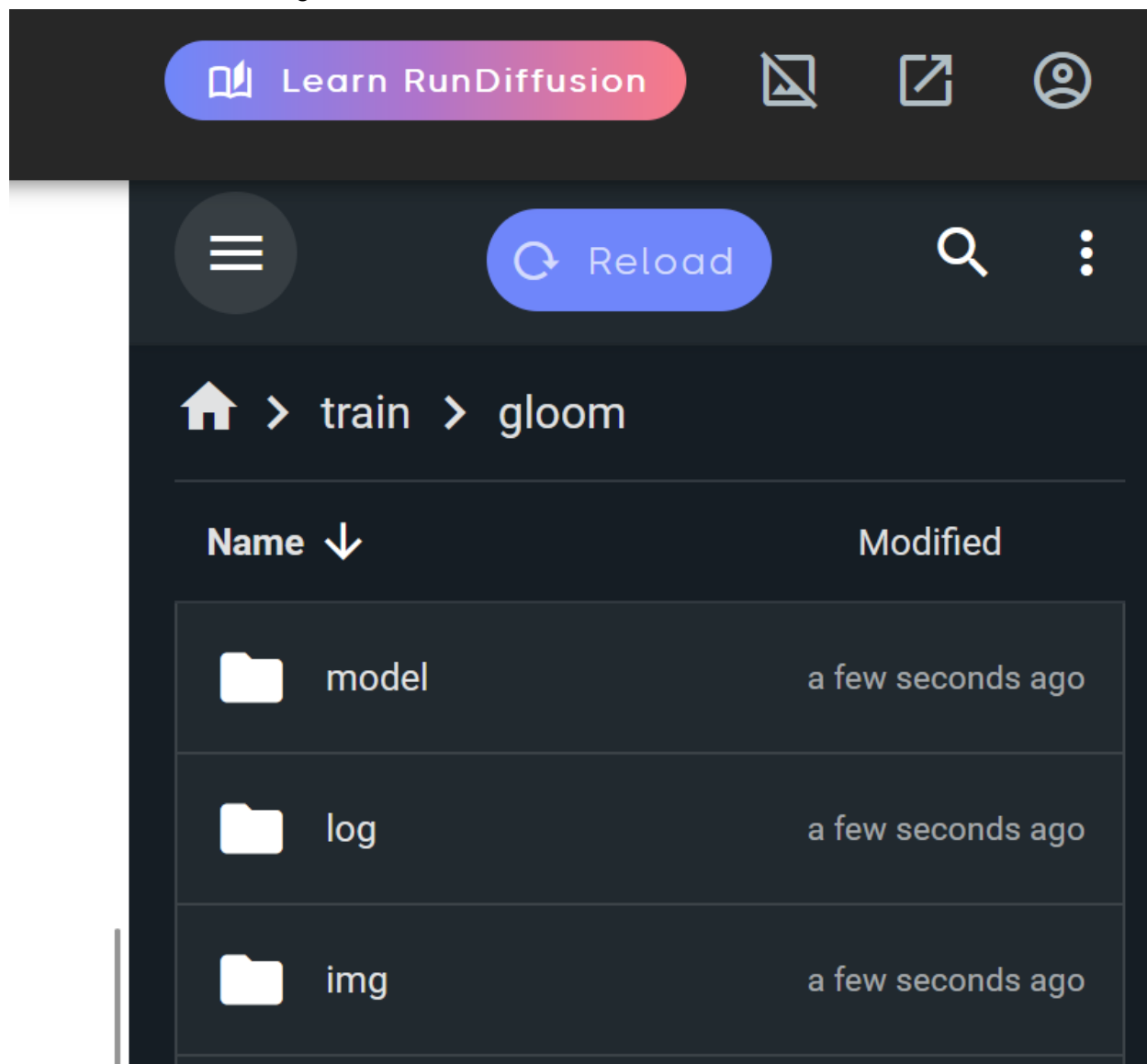
Stop training

Print training command

Start tensorboard

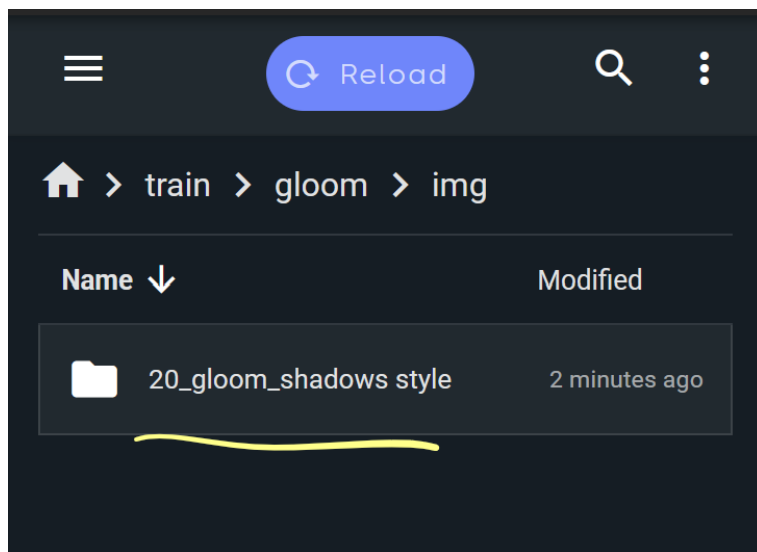
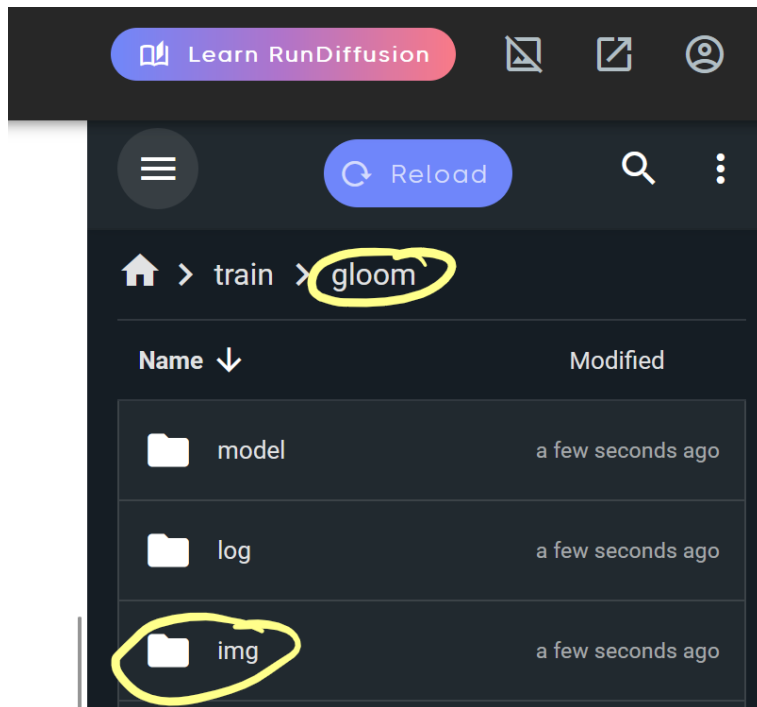
Stop tensorboard

Then in the top right click on the train folder or reload. And then go back to the folder you created. For me it is the gloom folder.



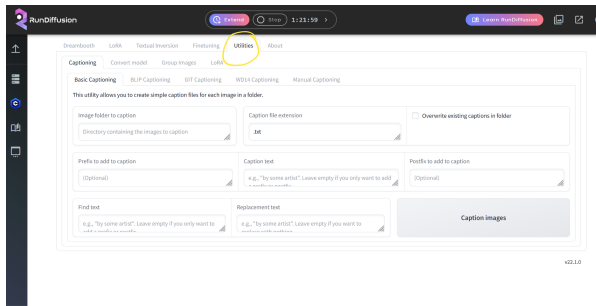
When you click on train then gloom you will then see some new folders created.

Click on the img folder and you should see the new folder created. The 20 there stands for the “20 repeats” we selected earlier. Click on that folder

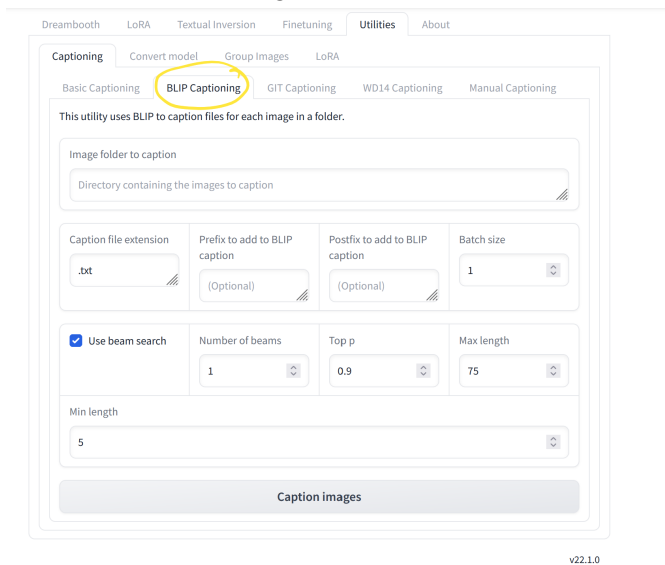


You should now see all your images in that new folder.

Step 5: Utilities Tab: Setting up captioning



Select Blip Captioning



On this page add the directory, put the token in the Prefix to add to BLIP caption. Then select caption images. You can also use Manual and other ways to caption.

Dreambooth LoRA Textual Inversion Finetuning Utilities About

Captioning Convert model Group Images LoRA

Basic Captioning BLIP Captioning GIT Captioning WD14 Captioning Manual Captioning

This utility uses BLIP to caption files for each image in a folder.

Image folder to caption

/mnt/private/train/gloom/img/20_gloom_shadows style/

Caption file extension .txt

Prefix to add to BLIP caption gloom_shadows

Postfix to add to BLIP caption (Optional)

Batch size 1

☒ Use beam search

Number of beams 1

Top p 0.9

Max length 75

Min length 5

Caption images

v22.1.0

This may take a few moments. You can reload and go back to the folder to check on the progress or look at the logs. Common error is mistyping the folder path (oops I did this a lot).

Step 6: Lora Tab

Source Model Tab make sure you have stable-diffusion-xl-base-1.0 selected.

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Source model Folders Parameters Dataset Preparation

Model Quick Pick

stabilityai/stable-diffusion-xl-base-1.0

Save trained model as

safetensors

Start training

Stop training

Print training command

Start tensorboard

Stop tensorboard

Textbox

Next go to the folders tab.

RunDiffusion

Extend Stop 1:55:36

Learn RunDiffusion

Dreambooth **LoRA** Textual Inversion Finetuning Utilities About

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Image folder
/mnt/private/train/gloom/img

Regularisation folder
(Optional) Folder where where the regularization folders containing the images are located

Output folder
/mnt/private/train/gloom/model

Logging folder
/mnt/private/train/gloom/log

Model output name
gloom

Training comment
trigger word: gloom_shadows

Start training Stop training

Print training command

Add the file path to the directors we created. Also add the Model output name and in training comment you can put the target word.

Parameters Tab!

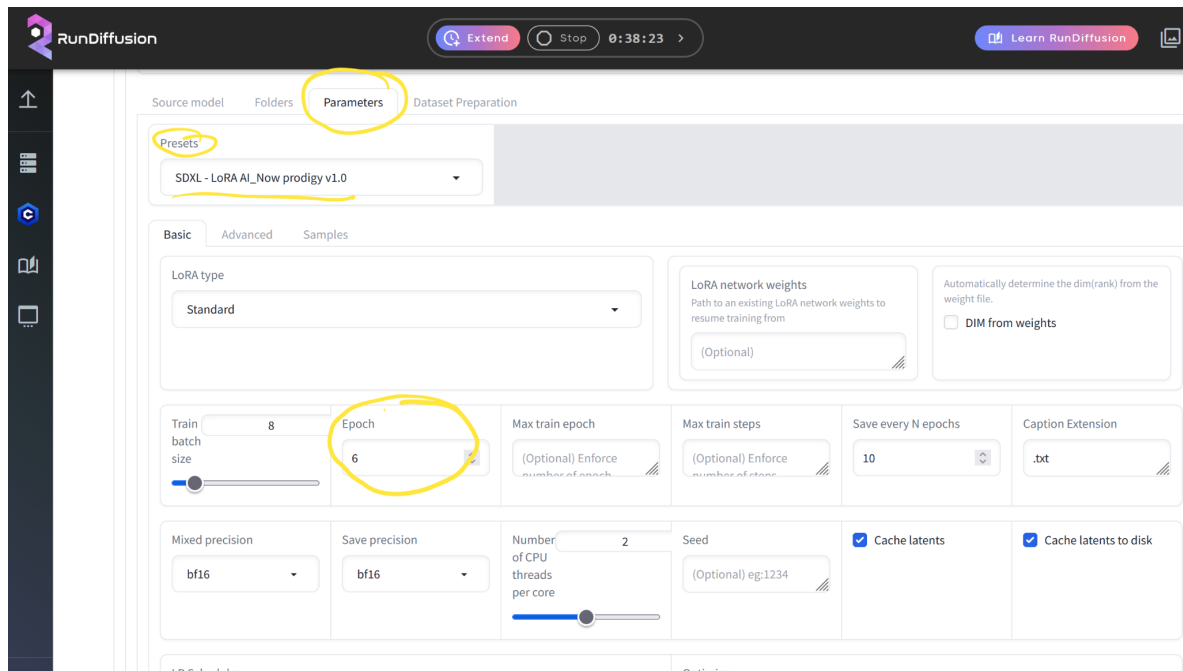
Presets: SDXL -Lora AI_Now prodigy v1.0 (Should fill out most of the information for us)

Epochs: Take Max Steps you want, divide that by the number of images you have, and divide that by 20. Or just put a small number like 4-6.

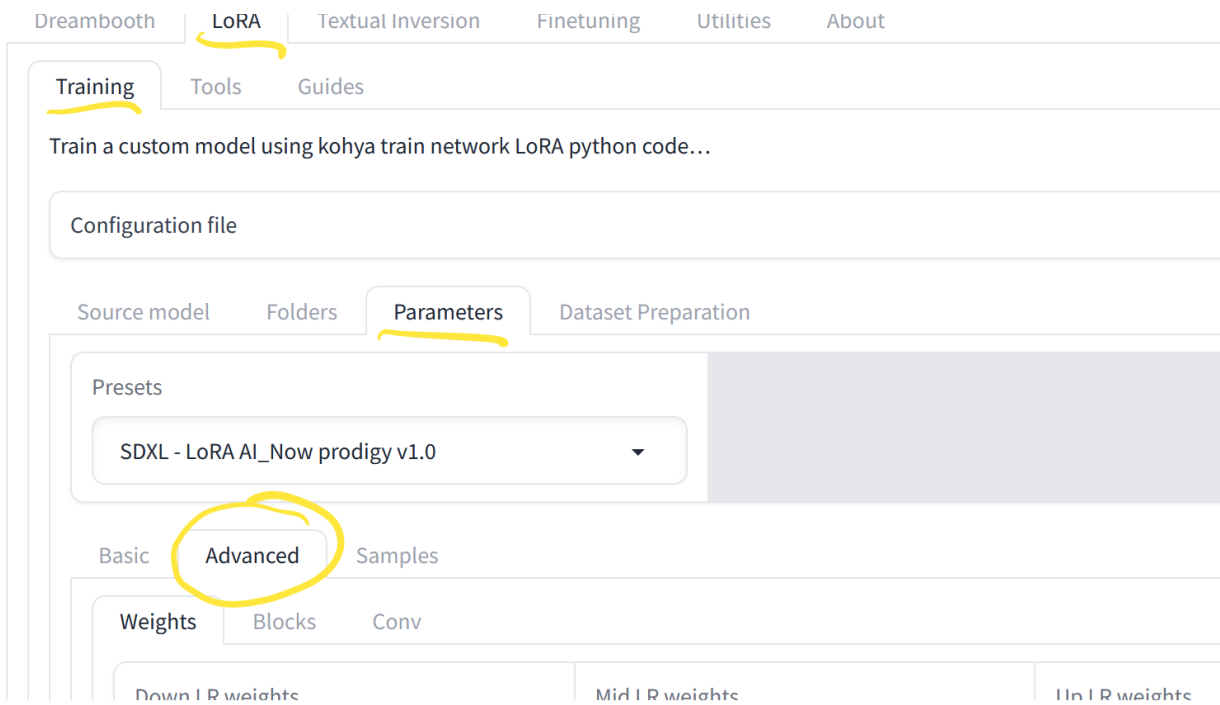
Network Rank: 64

Network Alpha: 32

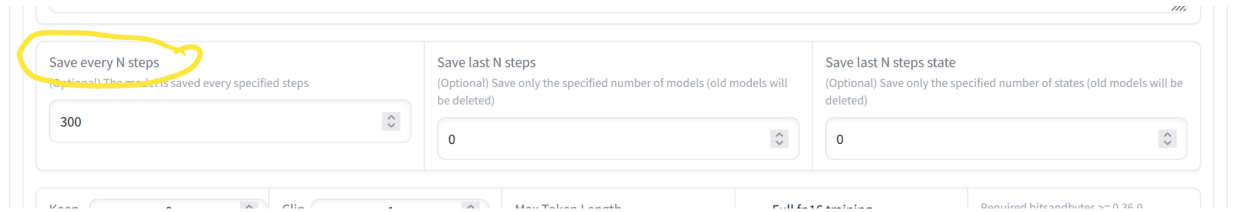
Feel free to experiment with these numbers for your models.



Select the Advanced Tab

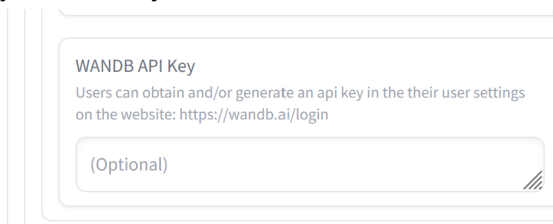


Scroll down to Save every N Steps. And put a number of how often you want it to save the Lora. I put 300 steps in this example.



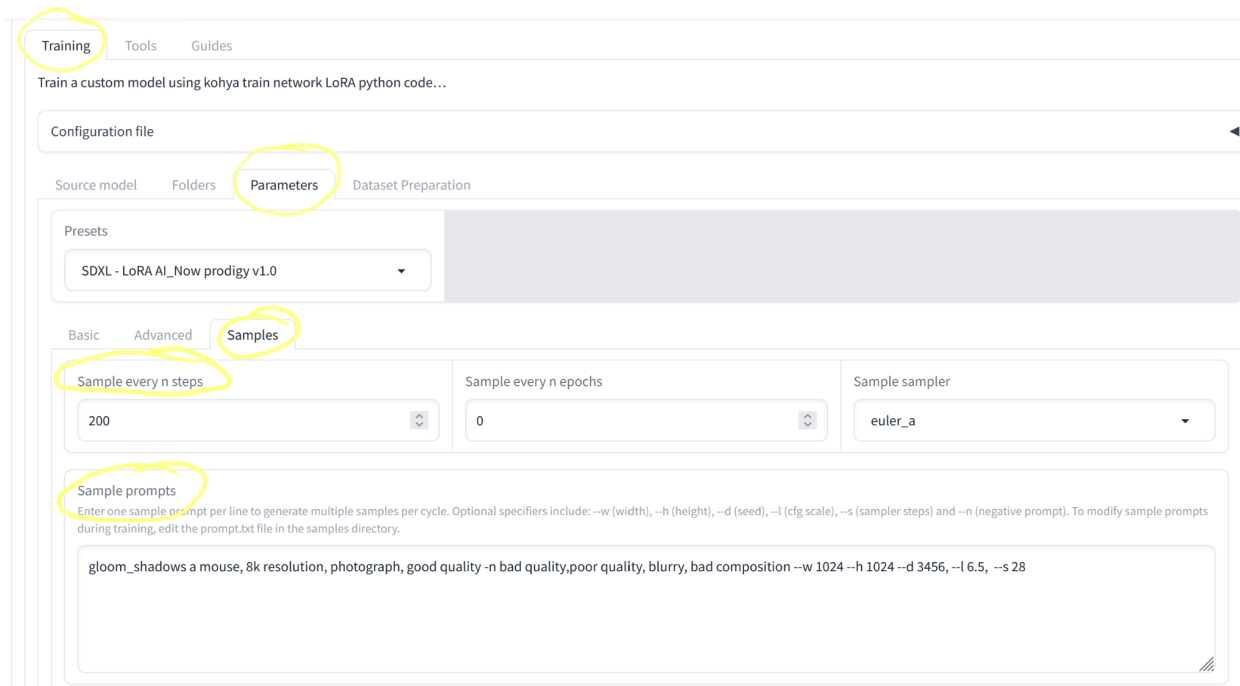
The screenshot shows a configuration interface with three sections: 'Save every N steps', 'Save last N steps', and 'Save last N steps state'. The 'Save every N steps' section is highlighted with a yellow circle and contains a dropdown menu set to '300'. The other two sections are also visible but not highlighted.

Scroll down to the bottom if you are using Weights and Biases website (<https://wandb.ai>) add your API key there.



The screenshot shows a section titled 'WANDB API Key' with a text input field. The text inside the field is '(Optional)'. Above the field, there is a note: 'Users can obtain and/or generate an api key in the their user settings on the website: <https://wandb.ai/login>'.

Select the Sample Tabs



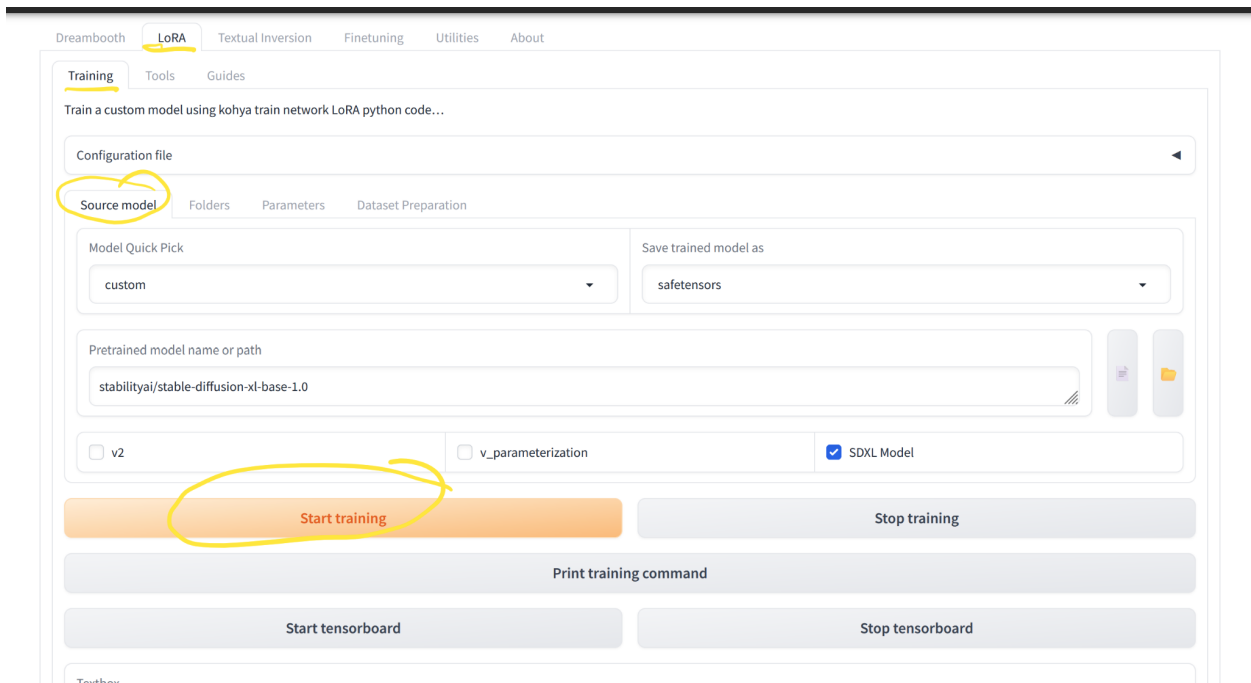
The screenshot shows the 'Parameters' tab in a training interface. The 'Training' tab is selected at the top. Below the 'Configuration file' section, there are tabs for 'Source model', 'Folders', 'Parameters', and 'Dataset Preparation'. The 'Parameters' tab is highlighted with a yellow circle. Under the 'Parameters' tab, there are three sub-tabs: 'Basic', 'Advanced', and 'Samples'. The 'Samples' tab is highlighted with a yellow circle. In the 'Samples' tab, there are three input fields: 'Sample every n steps' (set to 200), 'Sample every n epochs' (set to 0), and 'Sample sampler' (set to 'euler_a'). Below these fields, there is a section titled 'Sample prompts' with a text input field containing the prompt: 'gloom_shadows a mouse, 8k resolution, photograph, good quality -n bad quality, poor quality, blurry, bad composition --w 1024 --h 1024 --d 3456, --l 6.5, --s 28'.

The sample should be something you would prompt to generate an image so you can view samples throughout the training process.

a tardigrade on a surface, 8k resolution, photograph, good quality -n bad quality, poor quality, blurry, bad composition --w 1024 --h 1024 --d 3456, --l 6.5, --s 28

gloom_shadows a mouse, 8k resolution, photograph, good quality -n bad quality, poor quality, blurry, bad composition --w 1024 --h 1024 --d 3456, --l 6.5, --s 28

Go back to the Source Model Tab, and select Start Training!



The screenshot shows the Dreambooth web interface for LoRA training. The 'LoRA' tab is selected in the top navigation bar. Below it, the 'Training' sub-tab is active. The main heading reads 'Train a custom model using kohya train network LoRA python code...'. A 'Configuration file' dropdown is at the top. Below it, the 'Source model' sub-tab is highlighted with a yellow circle. The 'Model Quick Pick' dropdown is set to 'custom'. The 'Save trained model as' dropdown is set to 'safetensors'. The 'Pretrained model name or path' field contains 'stabilityai/stable-diffusion-xl-base-1.0'. There are checkboxes for 'v2', 'v_parameterization', and a checked 'SDXL Model'. At the bottom, the 'Start training' button is highlighted with a yellow circle. Other buttons include 'Stop training', 'Print training command', 'Start tensorboard', and 'Stop tensorboard'. The footer shows 'Tavthor'.

To view the Log while it is in process select the Server Manager tab on the left side.

RunDiffusion

Extend

Stop

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stabilityai/stable-diffusion-xl-base-1.0

☐ v2

☐ v_parameters

Start training

Start tensorboard

Textbox

→ Server Manager

Restart App 'Kohya'

Auto-scroll logs

```
run_predict
output = await app.get_blocks().process_api(
File "/opt/rd/miniconda3/envs/KOYA/lib/python3.10/site-packages/gradio/blocks.py", line 1384,
process_api
result = await self.call_function(
File "/opt/rd/miniconda3/envs/KOYA/lib/python3.10/site-packages/gradio/blocks.py", line 1089,
call_function
prediction = await anyio.to_thread.run_sync(
File "/opt/rd/miniconda3/envs/KOYA/lib/python3.10/site-packages/anyio/to_thread.py", line 33,
run_sync
return await get_asynclib().run_sync_in_worker_thread(
File "/opt/rd/miniconda3/envs/KOYA/lib/python3.10/site-packages/anyio/_backends/_asyncio.py",
877, in run_sync_in_worker_thread
return await future
File "/opt/rd/miniconda3/envs/KOYA/lib/python3.10/site-packages/anyio/_backends/_asyncio.py",
807, in run
result = context.run(func, *args)
File "/opt/rd/kohya_ss/lora_gui.py", line 354, in open_configuration
with open(file_path, 'r') as f:
FileNotFoundError: [Errno 2] No such file or directory: './presets/lora/None.json'
17:15:58-415381 INFO Applying preset SDXL - LoRA AI_Now prodigy v1.0...
17:15:58-418576 INFO Loading config...
```