Training Tools Guides Train a custom model using kohya train network LoRA pythor	n code			
Configuration Accelerate launch				 ▼
Resource Selection Mixed precision Whether or not to use mixed precision training. no	Number of processes The total number of processes to be launched in parallel.	Number of machines The total number of machines used in this 1	training. The number of CPU threads per core The number of CPU threads per process.	10
Dynamo backend The backend to use for the dynamo JIT compiler.	Dynamo mode Choose a mode to optimize your training with dynamo. default	Whether to use full graph mode for dyname model into several subgraphs Dynamo use fullgraph	o or it is ok to break Whether to enable dynamic shape tracing. Dynamo use dynamic	
Hardware Selection Whether or not this should launch a distributed GPU training. Multi GPU				
Distributed GPUs GPU IDs What GPUs (by id) should be used for training on this machine as a comma-separated list example: 0,1		Main process port The port to use to communicate with the machine of rank 0.		
Extra accelerate launch arguments List of extra parameters to pass to accelerate launch example:same_networkmachine_rank 4				
Model Pretrained model name or path stabilityai/stable-diffusion-xl-base-1.0		Trained Model output name		
Image folder (containing training images subfolders) /Volumes/Akos-700-NVMD-Scratchdisk/neysalora3/out/img		Dataset config file (Optional. Select t	Dataset config file (Optional. Select the toml configuration file to use for the dataset)	
(Optional) Add training comment to be included in metadata Save trained model as ckpt safetensors		Save precision Image: Save pr	Save precision float fp16 bf16	
Metadata				•
Folders Output directory for trained model /Volumes/Akos-700-NVMD-Scratchdisk/neysalora3/ou Logging directory (Optional. to enable logging and outpu /Volumes/Akos-700-NVMD-Scratchdisk/neysalora3/ou	nt/model - Si r ut Tensorboard log) ut/log	Regularisation directory (Optional. co /Volumes/Akos-700-NVMD-Scratch	ontaining regularisation images) ndisk/neysalora3/REGULARISATION -	
Dataset Preparation This section provide Dreambooth tools to help setup your of Dreambooth/LoRA Folder preparation Dreambooth This utility will create the necessary folder structure for the Instance prompt	dataset n/LoRA Dataset balancing he training images and optional regularization images nee	eded for the kohys_ss Dreambooth/LoRA r Class prompt	nethod to function correctly.	
Training images (directory containing the training image/Volumes/Akos-700-NVMD-Scratchdisk/neysalora3	ges)	Repeats 20		
Regularisation images (Optional. directory containing f /Volumes/Akos-700-NVMD-Scratchdisk/neysalora3/I	the regularisation images)	Repeats		
Volumes/Akos-700-NVMD-Scratchdisk/neysalora3/	ng and regularisation folders will be placed) out Prepare	training data	✓	
	Copy info to	respective fields		
Parameters Presets none				• •
Basic LoRA type Standard		-	Network weights Path to an existing LoRA network weights to resume training from (Optional)	▼ rmine the weight file. eights
Train batch size <u>1</u> Epoch 10	Max train epoch training epochs (overrides max_train_steps). 0 = no override 0	Max train steps Overrides # training steps. 0 = no override 1600	Save every N epochs 1 .txt	on T
Seed Set to 0 to make random 0	Cache latents		Cache latents to disk	
LR Scheduler cosine Max grad norm	1 LR scheduler extra arguments	Optimizer AdamW	Optimizer extra arguments	•
Learning rate Set to 0 to not train the Unet	(Optional) eg: milestones=[1,10,	LR warmup (% of total steps)	(Optional) eg: relative_step=Irue scale_parameter=Irue warmup_init=True	0
LR # cycles Number of restarts for cosine scheduler with restarts 10		LR power Polynomial power for polynomial schedule	er	
Max resolution Stop TE 1024,1024 Text Encoder learning rate	(% of total steps) 0 Zenable bucket	S Minimum buo Minimum size in be (>= 64) Unet learning rate	cket resolution 256 n pixel a bucket can Maximum size in pixel a bucket of be (>= 64)	2048 ran
(Optional) 0.0001 SDXL Specific Parameters Cache the outputs of the text encoders. This option is useful t	to reduce the GPU memory usage. This option cannot be used with	(Optional) 0.0001 Disable the half-precision (mixed-precision) VAE. VAE for SDXL seems to produce NaNs in some cases. This option i	▼ s useful to
options for shuffling or dropping the captions. Cache text encoder outputs Network Rank (Dimension)	256	avoid the NaNs. No half VAE Network Alpha alpha for LoRA weight scaling		1
Scale weight norms Max Norm Regularization is a technique to stabilize network training by limiting the norm of network weights. It may be effective in suppressing overfitting of LoRA and improving stability when used with other LoRAs. See PR #545 on kohya_ss/sd_scripts repo for details. Recommended setting: 1. Higher is weaker, lower is stronger.	Network dropout Is a normal probability dropout at the neuron level. In the case of LoRA, it is applied to the output of down. Recommended range 0.1 to 0.5	Rank dropout can specify `rank_dropout` to dropout ear with specified probability. Recommended 0.1 to 0.3	0 Module dropout ch rank range range 0.1 to 0.3	Ch d
Advanced Weights Blocks Conv Down LR weights	Mid LR weights	Up LR weights	Blocks LR zero threshold	
Specify the learning rate weight of the down blocks of U-Net. (Optional) eg: 0,0,0,0,0,0,1,1,1,1,1,1	Specify the learning rate weight of the mid block of U-Net. (Optional) eg: 0.5	Specify the learning rate weight of the up b The same as down_lr_weight. (Optional) eg: 0,0,0,0,0,0,1,1,1,1,1,1	Nocks of U-Net. If the weight is not more than this value, the Lor not created. The default is 0. (Optional) eg: 0.1	RA module is
Gradient accumulate steps Number of updates steps to accumulate before performing a ba Prior loss weight	1 .ckward/update pass VA	 Weighted captions Goptional: Path to checkpoint of vae for 	training)	
1 Additional parameters (Optional) Use to provide additional parameters not	handled by the GUI. Eg:some_parameters "value"			
Scheduled Huber Loss Loss type The type of loss to use and whether it's scheduled based on the	Huber schedule The type of loss to use and whether it's	scheduled based on the timestep	Huber C The huber loss parameter. Only used if one of the huber loss modes (h smooth l1) is selected with loss_type	T nuber or
Save every N steps (Optional) The model is saved every specified steps	Save last N steps (Optional) Save only the specified number	ber of models (old models will be deleted)	0.1 Save last N steps state (Optional) Save only the specified number of states (old models will b	pe deleted)
0 Keep n tokens	0 0 Clip skip	1	0 Max Token Length max token length of text encoder	
U-Net and Text Encoder can be trained with fp8 (experimental) fp8 base training (experimental)	Full fp16 training (experiment	al)	Required bitsandbytes >= 0.36.0 Full bf16 training (experimental)	
Gradient checkpointing CrossAttention sdpa	Shuffle caption Enable weak color augmentation Color augmentation	Persistent data loader Enable horizontal flip augmentation Flip augmentation	Apply mask for calculating loss. conditioning_ required for dataset Masked loss	data_dir is
Only for SD v2 models. By scaling the loss according to the time global noise prediction and local noise prediction become the s improvement of details may be expected. Scale v prediction loss	step, the weights of ame, and the Recommended value of 5 when used	0	Automates the processing of noise, allowing for faster model fitting, a balancing out color issues. Do not use if Min SNR gamma is specified. Debiased Estimation loss	as well as
Min Timestep Values greater than 0 will make the model more implime for each	sed. 0 = image only	Max Timestep Values lower than 1000 will make the mode	el more img2img focussed. 1000 = noise only	0
Noise offset type Original	 ✓ ✓ Noise offset 0 Recommended values are 0.05 - 0.15 	Use random strength between 0~noise_offset for noise offset Noise offset random strength	IP noise gamma enable input perturbation noise. used for regularization. recommended value: IP noise gamm	between ir input a random
Dropout caption every n epochs	Adaptive noise scale Add `latent mean absolute value * this Rate of caption dropout	0 s value` to noise_offset	VAE batch size	0
0 Save training state (including optimizer states etc.) when saving models Save training state	Save training state (including optimizer states etc.) on Retain end Save training state at end of training Save training state at end of training Save train	sume from saved training state (path to "l ate" state folder) ved state to resume training from	ast- Max num workers for DataLoader Override number of epoch. Default: 0	
Logging Loggers to use, tensorboard will be used as the default.	WANDB API Key Users can obtain and/or generate an ap https://wandb.ai/login	i key in the their user settings on the website:	WANDB run name The name of the specific wandb session (Optional)	
Log tracker name Name of tracker to use for logging, default is script-specific defa (Optional)	(Optional) ult name Pa	g tracker config th to tracker config file to use for logging		
Samples HuggingFace				
Stop training Print training command				
	Print train	eonnanu		