Tool Metadata Report (by MetadataFetcher)

1. General Information

Name	pytorch
Use Case	AI/ML Development Tools
Homepage	https://pytorch.org/
Description	PyTorch is an open-source machine learning library based on the Torch library, used for applications such as computer vision, deep learning research and natural language processing, originally developed by Meta AI and now part of the Linux Foundation umbrella. It is one of the most popular deep learning frameworks, alongside others such as TensorFlow, offering free and open-source software released under the modified BSD license. Although the Python interface is more polished and the primary focus of development, PyTorch also has a C++ interface.

2. Documentation

Main Documentation	https://pytorch.org/docs/stable/index.html
Top Documentation Links	https://pytorch.org/docs/stable/index.html https://pytorch.org/blog/torch-compile-and-diffusers-a-hands-on-guide-to-peak-performance/ https://pytorch.org/get-started/previous-versions

3. Installation

Installation Links	https://pytorch.org/get-started/locally/ https://pytorch.org/get-started/previous-versions https://pytorch.org/get-started/previous-versions/ https://cloud.google.com/deep-learning-vm/docs/pytorch_start_instance https://pytorch.org/get-started/pytorch-2-x/ https://pytorch.org/get-started/cloud-partners/ https://pytorch.org/get-started/executorch/ https://pytorch.org/get-started/locally?__hstc=76629258.724dacd2270c1ae797f3a62ecd655d50.1746547368336.1746547368336.1746547368336.1&__hssc=76629258.9.1746547368336&__hsfp=2230748894 https://console.cloud.google.com/freetrial https://cloud.google.com/deep-learning-vm/docs/tensorflow_start_instance https://cloud.google.com/sdk/downloads https://cloud.google.com/shell/docs/starting-cloud-shell https://cloud.google.com/startup/ https://cloud.google.com/docs/get-started/
Installation Summary	pip: pip install torch==2.7.0 torchvision==0.22.0 torchaudio==2.7.0 from source: git clone https://github.com/pytorch/pytorch docker: docker run --gpus all -it ghcr.io/pytorch/pytorch-nightly:latest /bin/bash docker compose: None other: apt-get install google-cloud-cli=123.0.0-0 platforms: {'linux': [{'command': 'apt-get install google-cloud-cli=123.0.0-0', 'explanation': 'Install a package using apt (Debian/Ubuntu).', 'note': 'Run in your Linux terminal.'}]}

4. Other Links

All Documentation Links:

https://pytorch.org/docs/stable/index.html
https://pytorch.org/blog/torch-compile-and-diffusers-a-hands-on-guide-to-peak-performance/
https://pytorch.org/get-started/previous-versions
https://docs.aws.amazon.com/deep-learning-containers/latest/devguide/deep-learning-containers-ec2-tutorials-training.html#deep-learning-containers-ec2-tutorials-training-pytorch
https://docs.aws.amazon.com/dlami/latest/devguide/tutorial-pytorch.html
https://cloud.google.com/deep-learning-vm/docs/pytorch_start_instance
https://docs.microsoft.com/en-us/azure/machine-learning/how-to-train-pytorch

https://docs.microsoft.com/en-us/azure/azure-functions/machine-learning-pytorch?tabs=bash
https://pytorch.org/docs
https://discuss.pytorch.org/
https://pytorch.org/executorch/stable/index.html
https://pytorch.org/pytorch-domains
https://pytorch.org/docs/versions.html
https://readthedocs.org
https://pytorch.org/assets/brand-guidelines/PyTorch-Brand-Guidelines.pdf
https://pytorch.org/blog/torch-compile-and-diffusers-a-hands-on-guide-to-peak-performance/#respond
https://docs.pytorch.org/tutorials/intermediate/torch_compile_tutorial.html
https://docs.pytorch.org/docs/stable/torch.compiler_dynamic_shapes.html#abridged-public-api
https://docs.pytorch.org/docs/stable/torch.compiler_troubleshooting.html
https://docs.google.com/document/d/1y5CRfMLdwEoF1nTk9q8qEu1mgMUuUtvhklPKJ2emLU8/edit?tab=t.0
https://docs.pytorch.org/tutorials/recipes/regional_compilation.html
https://docs.pytorch.org/tutorials/recipes/torch_compile_caching_tutorial.html
https://huggingface.co/docs/diffusers/main/en/optimization/memory#offloading
https://huggingface.co/docs/peft/en/index
https://huggingface.co/docs/diffusers/main/en/tutorials/using_peft_for_inference#hotswapping
https://docs.google.com/document/d/1y5CRfMLdwEoF1nTk9q8qEu1mgMUuUtvhklPKJ2emLU8/edit?tab=t.0#heading=h.ivdr7fmrbeab
https://huggingface.co/docs/diffusers/main/en/optimization/fp16#torchcompile
https://docs.aws.amazon.com/pdfs/deep-learning-containers/latest/devguide/dlc-guide.pdf.pdf#deep-learning-containers-ec2-tutorials-training
https://docs.aws.amazon.com/index.html
https://docs.aws.amazon.com/pdfs/dlami/latest/devguide/dlami-dg.pdf#tutorial-pytorch
http://pytorch.org/docs/master/
https://cloud.google.com/docs
https://cloud.google.com/docs/tech-area-overviews
https://cloud.google.com/docs/ai-ml
https://cloud.google.com/docs/application-development
https://cloud.google.com/docs/application-hosting
https://cloud.google.com/docs/compute-area
https://cloud.google.com/docs/data
https://cloud.google.com/docs/databases
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https://cloud.google.com/docs/observability
https://cloud.google.com/docs/security
https://cloud.google.com/docs/storage
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https://cloud.google.com/docs/access-resources
https://cloud.google.com/docs/costs-usage
https://cloud.google.com/docs/devtools
https://cloud.google.com/docs/iac
https://cloud.google.com/docs/migration
https://cloud.google.com/marketplace/docs
https://cloud.google.com/deep-learning-vm/docs
https://cloud.google.com/deep-learning-vm/docs/introduction
https://cloud.google.com/deep-learning-vm/docs/troubleshooting
https://cloud.google.com/deep-learning-vm/docs/release-notes
https://cloud.google.com/deep-learning-vm/docs/create-vm-instance-gcloud
https://cloud.google.com/deep-learning-vm/docs/create-vm-instance-console
https://cloud.google.com/deep-learning-vm/docs/tensorflow_start_instance
https://cloud.google.com/deep-learning-vm/docs/cli

https://cloud.google.com/deep-learning-vm/docs/cloud-marketplace
https://cloud.google.com/deep-learning-vm/docs/concepts-images
https://cloud.google.com/deep-learning-vm/docs/images
https://cloud.google.com/deep-learning-vm/docs/creating-images
https://cloud.google.com/deep-learning-vm/docs/jupyter
https://cloud.google.com/billing/docs/how-to/verify-billing-enabled#confirm_billing_is_enabled_on_a_project
https://cloud.google.com/compute/docs/machine-types
https://cloud.google.com/compute/docs/gpus
https://cloud.google.com/sdk/docs
https://cloud.google.com/sdk/downloads
https://cloud.google.com/sdk/docs/initializing
https://cloud.google.com/shell/docs/starting-cloud-shell
https://cloud.google.com/compute/docs/gpus#restrictions
https://cloud.google.com/compute/docs/gpus#other_available_nvidia_gpu_models
https://cloud.google.com/compute/docs/gpus/gpu-regions-zones
https://cloud.google.com/compute/docs/instances/preemptible
https://cloud.google.com/compute/docs/instances/connecting-to-instance
https://cloud.google.com/docs/get-started/
https://cloud.google.com/docs/
https://cloud.google.com/docs/samples
https://github.com/MicrosoftDocs/azure-ai-docs/blob/main/articles/machine-learning/how-to-train-pytorch.md
https://aka.ms/sdk-v2-install
https://github.com/MicrosoftDocs/azure-docs/blob/main/articles/azure-functions/machine-learning-pytorch.md
https://azure.microsoft.com/free/?ref=microsoft.com&utm_source=microsoft.com&utm_medium=docs&utm_campaign=visualstudio
https://code.visualstudio.com/docs/python/tutorial-azure-functions

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https://pytorch.org/get-started/locally/
https://pytorch.org/get-started/previous-versions
https://pytorch.org/get-started/previous-versions/
https://cloud.google.com/deep-learning-vm/docs/pytorch_start_instance
https://pytorch.org/get-started/pytorch-2-x/
https://pytorch.org/get-started/cloud-partners/
https://pytorch.org/get-started/executorch/
https://pytorch.org/get-started/locally?__hstc=76629258.724dacd2270c1ae797f3a62ecd655d50.1746547368336.1746547368336.1746547368336.1&__hssc=76629258.9.1746547368336&__hsfp=2230748894
https://console.cloud.google.com/freetrial
https://cloud.google.com/deep-learning-vm/docs/tensorflow_start_instance
https://cloud.google.com/sdk/downloads
https://cloud.google.com/shell/docs/starting-cloud-shell
https://cloud.google.com/startup/
https://cloud.google.com/docs/get-started/