

 Hugging Face

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Documentations

[\[Hub Host Git-based models, datasets and Spaces on the Hugging Face Hub.](#)

[\]/\(docs/hub\)](/docs/hub) [\[Transformers State-of-the-art ML for Pytorch, TensorFlow, and](#)

[JAX. \]\(/docs/transformers\)](/docs/transformers) [\[Diffusers State-of-the-art diffusion models for](#)

[image and audio generation in PyTorch. \]\(/docs/diffusers\)](#) [\[Datasets Access](#)
and share datasets for computer vision, audio, and NLP tasks.

[\]/\(docs/datasets\)](/docs/datasets) [\[Gradio Build machine learning demos and other web apps, in](#)
just a few lines of Python. [\]\(https://www.gradio.app/docs/\)](https://www.gradio.app/docs/) [\[Hub Python](#)

[Library Client library for the HF Hub: manage repositories from your Python](#)

[runtime. \]\(/docs/huggingface_hub\)](/docs/huggingface_hub) [\[Huggingface.js A collection of JS](#)

[libraries to interact with Hugging Face, with TS types included.](#)

[\[/docs/huggingface.js \]](#) [\[Transformers.js State-of-the-art Machine Learning for the web. Run Transformers directly in your browser, with no need for a server. \]](#) [\[/docs/transformers.js \]](#) [\[Inference API \(serverless\) Experiment with over 200k models easily using the serverless tier of Inference Endpoints. \]](#) [\[/docs/api-inference \]](#) [\[Inference Endpoints \(dedicated\) Easily deploy models to production on dedicated, fully managed infrastructure. \]](#) [\[/docs/inference-endpoints \]](#) [\[PEFT Parameter efficient finetuning methods for large models. \]](#) [\[/docs/peft \]](#) [\[Accelerate Easily train and use PyTorch models with multi-GPU, TPU, mixed-precision. \]](#) [\[/docs/accelerate \]](#) [\[Optimum Fast training and inference of HF Transformers with easy to use hardware optimization tools. \]](#) [\[/docs/optimum \]](#) [\[AWS Trainium & Inferentia Train and Deploy Transformers & Diffusers with AWS Trainium and AWS Inferentia via Optimum. \]](#) [\[/docs/optimum-neuron \]](#) [\[Tokenizers Fast tokenizers, optimized for both research and production. \]](#) [\[/docs/tokenizers \]](#) [\[Evaluate Evaluate and report model performance easier and more standardized. \]](#) [\[/docs/evaluate \]](#) [\[Tasks All things about ML tasks: demos, use cases, models, datasets, and more! \]](#) [\[/tasks \]](#) [\[Dataset viewer API to access the contents, metadata and basic statistics of all Hugging Face Hub datasets. \]](#) [\[/docs/dataset-viewer \]](#) [\[TRL Train transformer language models with reinforcement learning. \]](#) [\[/docs/trl \]](#) [\[Amazon SageMaker Train and Deploy Transformer models with Amazon SageMaker and Hugging Face DLCs. \]](#) [\[/docs/sagemaker \]](#) [\[timm State-of-the-art computer vision models, layers, optimizers, training/evaluation, and utilities. \]](#) [\[/docs/timm \]](#) [\[Safetensors Simple, safe way to store and distribute neural networks weights safely and quickly. \]](#) [\[/docs/safetensors \]](#) [\[Text Generation Inference Toolkit to serve Large Language Models. \]](#) [\[/docs/text-generation-inference \]](#) [\[AutoTrain AutoTrain API and UI. \]](#) [\[/docs/autotrain \]](#) [\[Text Embeddings Inference Toolkit to serve Text Embedding Models. \]](#) [\[/docs/text-embeddings-inference \]](#) [\[](#)

Competitions Create your own competitions on Hugging Face.

[\[Bitsandbytes Toolkit to optimize and quantize models.](#)

[\[Sentence Transformers Multilingual Sentence & Image](#)

[Embeddings \]\(https://sbert.net/\)](https://sbert.net/) [\[Chat UI Open source chat frontend, powers](#)

[the HuggingChat app. \]\(/docs/chat-ui\)](#) [\[Leaderboards Create your own](#)

[Leaderboards on Hugging Face. \]\(/docs/leaderboards\)](#) [\[Lighteval Your all-in-](#)

[one toolkit for evaluating LLMs across multiple backends. \]\(/docs/lighteval\)](#) [\[](#)

[Argilla Collaboration tool for AI engineers and domain experts who need to](#)

[build high quality datasets. \]\(https://argilla-io.github.io/argilla/\)](#) [\[](#)

[Distilabel The framework for synthetic data generation and AI feedback.](#)

[\]\(https://distilabel.argilla.io/\)](https://distilabel.argilla.io/) [\[Hugging Face Generative AI Services \(HUGS\)](#)

[Optimized, zero-configuration inference microservices designed to simplify and](#)

[accelerate the development of AI applications with open models \]\(/docs/hugs\)](#) [\[](#)

[smolagents Barebones library for agents. Agents write python code to call](#)

[tools and orchestrate other agents. \]\(/docs/smolagents\)](#)

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System theme

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