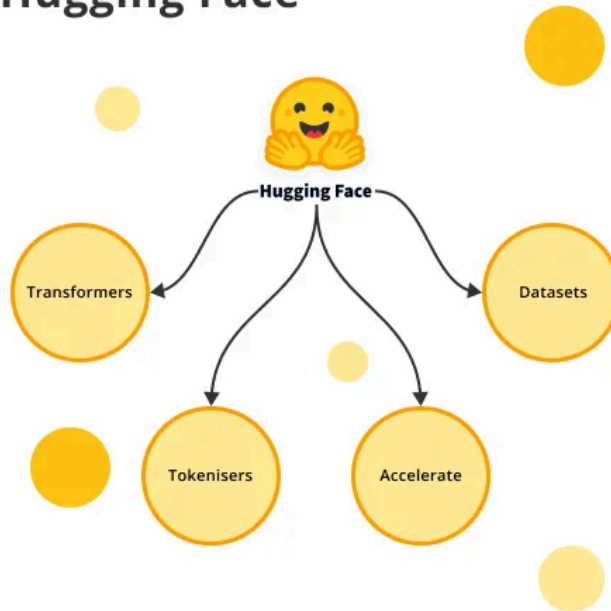


Hugging Face

Hugging Face



Hugging Face is a platform and community for the machine learning (ML) ecosystem, focused on building, sharing, and deploying ML models, datasets, and applications. It is often referred to as "the GitHub for machine learning."

Hugging Face Components

Spaces:

Spaces are a simple way to host and showcase ML demo applications directly on the Hugging Face platform. They allow users to turn their ML models into interactive, shareable web applications using frameworks like **Gradio** or **Streamlit**, or even custom **Docker** containers. They serve as a portfolio, a way to demonstrate projects, and a collaborative environment.

Datasets:

Datasets refers to the **Hugging Face Datasets Hub** and the associated open-source Python library.

- The **Datasets Hub** is a large repository of ready-to-use datasets for various AI tasks across modalities like text, image, and audio.
- The **Datasets library** provides fast, efficient, and easy-to-use tools for loading, preprocessing, and manipulating data for ML models, including features like efficient memory-mapping for large datasets.