

Machine Learning

Using Model Hub

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Using Model Hub

You can easily import the models listed in the Model Hub into the Registered Models page and then deploy it using the Cloudera AI Inference service. This streamlines the workflow of developers working on AI use cases by simplifying the process of discovering, deploying, and testing models.

Model Hub is a catalog of top-performing LLM and generative AI models. The Model Hub page displays the list of different models along with their source type, tags, and description. You can import models listed on the Model Hub page and deploy it from the Registered Models page.

Importing models from NVIDIA NGC

You can import the NVIDIA NGC Catalog models listed in the Model Hub page and deploy it from the Registered Models page.

Before you begin

To import models, you must add the following **NVIDIA GPU Cloud (NGC)** URL details so they can be allowed in the firewall's rules.


- prod.otel.kaizen.nvidia.com (NVIDIA open telemetry)
- api.ngc.nvidia.com
- files.ngc.nvidia.com

Procedure

1. In the **Cloudera Data Platform (CDP)** console, click the **Machine Learning** tile.
The **Home** page displays.
2. Click **Model Hub** under **AI Hub** in the left navigation menu.
The **Model Hub** page displays. The page lists different models along with its source type, tags, and description.

3. Click Import on the model you want to import.

The **Import Model** page displays.



Llama3 Instruct

Details

Llama 3 is a large language AI model comprising a collection of models capable of generating text and code in response to prompts. Meta developed and released the Meta Llama 3 family of large language models (LLMs), a collection of pretrained and instruction tuned generative text models in 8 and 70B sizes. Token counts refer to pretraining data only. Both the 8 and 70B versions use Grouped-Query Attention (GQA) for improved inference scalability. The Llama 3 instruction tuned models are optimized for dialogue use cases and outperform many of the available open source chat models on common industry benchmarks. Further, in developing these models, we took great care to optimize helpfulness and safety.

Tags

Llama

Meta

Chat

Large Language Model


TensorRT-LLM

Language Generation

NeMo

NVIDIA Validated

* Select Registry



aws

aws

459-74d

* Select Model Size

Llama 3 70B Instruct

* Select Optimization

Llama 3 70B Instruct A100 FP16 LoRA Throughput

PROFILE	PRECISION	GPU	GPU DEVICE
Throughput	FP16	A100	20b2:10de
NIM VERSION	FEAT_LORA	FEAT_LORA_MAX_RANK	COUNT
1.0.0	true	32	4

* Enter Name or Select Model

lim-sales

Warning

IMPORTANT: Please read the following before proceeding. This AI model is a third party software package that is not validated or maintained by Cloudera, Inc. ("Cloudera"). By configuring and launching this AI model, you will cause such third party software to be downloaded and installed into your environment direct from an external website. If you do not wish to download and install the third party software packages, do not configure, launch or otherwise use this AI model. By configuring, launching or otherwise using the AI model, you acknowledge the foregoing statement and agree that Cloudera is not responsible or liable in any way for the third party software packages.

☒ By checking this box, you confirm that you have read and agreed to the [Use Policy](#) and [License Agreement](#) for this model.

Import


View On NVIDIA

Cancel

4. In the Select Registry drop-down list, select the model registry to which you want to import the model.

5. In the Select Parameter drop-down list, select the model variant.



Note: After you select the parameter, the [View On NVIDIA](#)  option is enabled. Click on it to view the model details of the selected model on the *NVIDIA* website.

6. In the Select Optimization drop-down list, select the model variant that is optimized for your use case and domain. The details of the chosen optimization profile is displayed.
7. In the Enter Name or Select Model field, select a name from the existing list or enter a new name for the model you are importing.
8. If displayed, read the User Policy and License Agreement, and click the checkbox if you agree.
9. Click Import.

The **Model Hub** page is displayed with the message that the model is imported successfully.

Results

You can click Registered Models in the left navigation menu to view the newly imported model.