



Class ManagerInfer

Table of contents

Class Documentation

- Defined in [File infer_manager.hpp](#)

Class Documentation

class ManagerInfer

Manager class for inference.

Public Functions

ManagerInfer()

Default Constructor.

~ManagerInfer()

Destructor.

InferStatus set_inference_params(std::shared_ptr<[InferenceSpecs](#)>
&inference_specs)

Create inference settings and memory.

Parameters

inference_specs – specifications for inference

Returns

InferStatus with appropriate code and message

InferStatus execute_inference([DataMap](#) &preprocess_data_map, [DataMap](#)
&output_data_map)

Prepares and launches single/multiple inference.

Parameters

- **preprocess_data_map** – Input [DataMap](#) with model name as key and [DataBuffer](#) as value

- **output_data_map** – Output DataMap with tensor name as key and DataBuffer as value

Returns

InferStatus with appropriate code and message

InferStatus run_core_inference(const std::string &model_name, DataMap &permodel_preprocess_data, DataMap &permodel_output_data)

Executes Core inference for a particular model and generates inferred data.

Parameters

- **model_name** – Input model to do the inference on
- **permodel_preprocess_data** – Input DataMap with model name as key and DataBuffer as value
- **permodel_output_data** – Output DataMap with tensor name as key and DataBuffer as value

Returns

InferStatus with appropriate code and message

void cleanup()

Cleans up internal context per model.

DimType get_input_dimensions() const

Get input dimension per model.

Returns

Map with model name as key and dimension as value

DimType get_output_dimensions() const

Get output dimension per tensor.

Returns

Map with tensor name as key and dimension as value

© Copyright 2022-2024, NVIDIA.. PDF Generated on 06/06/2024