



Class DFFTCollector

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

Inheritance Relationships

Base Type

- `public nvidia::gxf::Monitor`

Class Documentation

class DFFTCollector : public nvidia::gxf::Monitor

[DFFTCollector](#) class (Data Frame Flow Tracking - DFFT) collects the metrics data at the end of the execution of the leaf operators. It updates the [DataFlowTracker](#) objects with the final result after every execution of a leaf operator. It also updates the receive timestamp of the root operators to the tick start time of the operators.

Public Functions

`gxf_result_t on_execute_abi(gxf_uid_t eid, uint64_t timestamp, gxf_result_t code)`
override

Called after the execution of an entity. Whenever a Holoscan operator's entity or any other Entity (e.g., entity containing the Broadcast extension component) is finished executing, this function is called.

Parameters

eid – GXF entity id of the entity that has finished executing.

`void add_leaf_op(holoscan::Operator *op)`

Add an operator as a leaf operator.

Parameters

op – The operator to be added as a leaf operator.

`void add_root_op(holoscan::Operator *op)`

Add an operator as a root operator.

Parameters

op – The operator to be added as a root operator.

```
void data_flow_tracker(holoscan::DataFlowTracker *d)
```

Set the DataFlowTracker object for this DFFTCollector object.

Parameters

d – The dataflow tracker object to be set.

```
inline int num_root_ops()
```

Get the number of root operators.

Returns

The number of root operators.

```
inline int num_leaf_ops()
```

Get the number of leaf operators.

Returns

The number of leaf operators.

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