



Class AnnotatedDoubleBufferTransmitter

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

Inheritance Relationships

Base Type

- `public nvidia::gxf::DoubleBufferTransmitter`

Class Documentation

class AnnotatedDoubleBufferTransmitter : public nvidia::gxf::DoubleBufferTransmitter

[AnnotatedDoubleBufferTransmitter](#) class tracks every published message by attaching a [MessageLabel](#) that has a timestamp.

Public Functions

AnnotatedDoubleBufferTransmitter() = default

`gxf_result_t publish_abi(gxf_uid_t uid)`

Override the `DoubleBufferTransmitter::publish_abi()` function. It adds a [MessageLabel](#) to the publish GXF Entity and finally calls the base class' `publish_abi()` function. It gets the input message labels of every operator and then adds that consolidated message label to the published message.

For root operators, it also updates the number of published messages.

`inline holoscan::Operator *op()`

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

Set the associated operator for this [AnnotatedDoubleBufferTransmitter](#). It is set at the.

`create_input_port()` function.

Parameters

op – The operator that this transmitter is attached to.

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