



**Struct OperatorTimestampLabel**

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- Defined in [File `messagelabel.hpp`](#)

## Struct Documentation

struct OperatorTimestampLabel

This struct represents a timestamp label for a Holoscan [Operator](#).

The class stores information about the timestamps when an operator receives from an input and when it publishes to an output. It also holds a reference to the operator.

This class is used by [MessageLabel](#) to create an array of Operators representing a path.

Public Functions

OperatorTimestampLabel() = default

inline explicit OperatorTimestampLabel([Operator](#) \*op)

Construct a new [OperatorTimestampLabel](#) object from an [Operator](#) pointer with a receive timestamp equal to the current time and publish timestamp equal to -1.

Parameters

**op** – The pointer to the operator for which the timestamp label is created.

inline OperatorTimestampLabel([Operator](#) \*op, int64\_t rec\_t, int64\_t pub\_t)

inline OperatorTimestampLabel(const [OperatorTimestampLabel](#) &o)

[OperatorTimestampLabel](#) &operator=(const [OperatorTimestampLabel](#) &o)

inline void set\_pub\_timestamp\_to\_current()

Public Members

[Operator](#) \*operator\_ptr = nullptr

```
int64_t rec_timestamp = 0
```

```
int64_t pub_timestamp = 0
```

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