



**Class DownstreamMessageAffordableCondition**

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- Defined in [File downstream\\_affordable.hpp](#)

## Inheritance Relationships

### Base Type

- `public holoscan::gxf::GXFCondition` ([Class GXFCondition](#))

## Class Documentation

```
class DownstreamMessageAffordableCondition : public holoscan::gxf::GXFCondition
```

Public Functions

```
template<typename ArgT, typename ...ArgsT, typename =
std::enable_if_t<!std::is_base_of_v<::holoscan::Condition, std::decay_t<ArgT>>> &&
(std::is_same_v<::holoscan::Arg, std::decay_t<ArgT>> ||
std::is_same_v<::holoscan::ArgList, std::decay_t<ArgT>>>>
inline DownstreamMessageAffordableCondition(ArgT &&arg, ArgsT&&... args)
```

DownstreamMessageAffordableCondition() = default

```
inline explicit DownstreamMessageAffordableCondition(size_t min_size)
```

```
inline virtual const char *gxf_typename() const override
```

```
virtual void setup(ComponentSpec &spec) override
```

Define the condition specification.

Parameters

**spec** – The reference to the component specification.

```
inline void transmitter(std::shared_ptr<gxf::GXFResource> transmitter)
```

```
inline std::shared_ptr<gxf::GXFResource> transmitter()
```

```
inline void min_size(uint64_t min_size)
```

```
inline uint64_t min_size()
```

inline virtual void initialize() override

Initialize the component.

This method is called only once when the component is created for the first time, and use of light-weight initialization.

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