



Class GXFCondition

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

Inheritance Relationships

Base Types

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

Derived Types

- `public holoscan::AsynchronousCondition` ([Class AsynchronousCondition](#))
- `public holoscan::BooleanCondition` ([Class BooleanCondition](#))
- `public holoscan::CountCondition` ([Class CountCondition](#))
- `public holoscan::DownstreamMessageAffordableCondition` ([Class DownstreamMessageAffordableCondition](#))
- `public holoscan::MessageAvailableCondition` ([Class MessageAvailableCondition](#))
- `public holoscan::PeriodicCondition` ([Class PeriodicCondition](#))

Class Documentation

class GXFCondition : public holoscan::Condition, public holoscan::gxf::GXFComponent

Subclassed by [holoscan::AsynchronousCondition](#), [holoscan::BooleanCondition](#), [holoscan::CountCondition](#), [holoscan::DownstreamMessageAffordableCondition](#), [holoscan::MessageAvailableCondition](#), [holoscan::PeriodicCondition](#)

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 GXFCondition(ArgT &&arg, ArgsT&&... args)
```

GXFCondition() = default

GXFCondition(const std::string &name, nvidia::gxf::SchedulingTerm *term)

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.

```
void add_to_graph_entity(Operator *op)
```

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