



## **Class GXFExecutionContext**

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- Defined in [File gxf\\_execution\\_context.hpp](#)

## Inheritance Relationships

### Base Type

- `public holoscan::ExecutionContext` ([Class ExecutionContext](#))

## Class Documentation

class GXFExecutionContext : public holoscan::ExecutionContext

Class to hold the execution context for GXF [Operator](#).

This class provides the execution context for the operator using GXF.

Public Functions

GXFExecutionContext(gxf\_context\_t context, [Operator](#) \*op)

Construct a new [GXFExecutionContext](#) object.

Parameters

- **context** – The pointer to the GXF context.
- **op** – The pointer to the operator.

GXFExecutionContext(gxf\_context\_t context, std::shared\_ptr<[GXFInputContext](#)> gxf\_input\_context, std::shared\_ptr<[GXFOutputContext](#)> gxf\_output\_context)

Construct a new [GXFExecutionContext](#) object.

Parameters

- **context** – The pointer to the GXF context.
- **gxf\_input\_context** – The shared pointer to the [GXFInputContext](#) object.

- **gxf\_output\_context** – The shared pointer to the GXFOutputContext object.

```
inline std::shared_ptr<GXFInputContext> gxf_input()
```

Get the GXF input context.

Returns

The pointer to the GXFInputContext object.

```
inline std::shared_ptr<GXFOutputContext> gxf_output()
```

Get the GXF output context.

Returns

The pointer to the GXFOutputContext object.

Protected Attributes

```
std::shared_ptr<GXFInputContext> gxf_input_context_
```

The GXF input context.

```
std::shared_ptr<GXFOutputContext> gxf_output_context_
```

The GXF output context.

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