



Class Endpoint

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Inheritance Relationships

Base Type

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

Class Documentation

class Endpoint : public holoscan::Resource

GXF serialization endpoint wrapper.

This class holds a pointer to an `nvidia::gxf::Endpoint` and its methods dispatch to that endpoint.

Public Types

```
using MemoryStorageType = nvidia::gxf::MemoryStorageType
```

Public Functions

```
Endpoint() = default
```

```
Endpoint(Endpoint&&) = default
```

```
~Endpoint() override = default
```

```
inline explicit Endpoint(nvidia::gxf::Endpoint *gxf_endpoint)
```

```
inline virtual bool is_write_available()
```

```
inline virtual bool is_read_available()
```

```
inline virtual expected<size_t, RuntimeError> write(const void *data, size_t size)
```

```
inline virtual expected<size_t, RuntimeError> read(void *data, size_t size)
```

```
inline virtual expected<void, RuntimeError> write_ptr(const void *pointer, size_t  
size, MemoryStorageType type)
```

```
template<typename T>
```

```
inline expected<size_t, RuntimeError> write_trivial_type(const T *object)
```

```
template<typename T>
```

```
inline expected<size_t, RuntimeError> read_trivial_type(T *object)
```

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