



Program Listing for File `gxf_io_context.hpp`

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```
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or agreed to in writing, software * distributed under the License is distributed on an
"AS IS" BASIS, * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either
express or implied. * See the License for the specific language governing
permissions and * limitations under the License. */ #ifndef
HOLOSCAN_CORE_GXF_GXF_IO_CONTEXT_HPP #define
HOLOSCAN_CORE_GXF_GXF_IO_CONTEXT_HPP #include <memory> #include
<string> #include <unordered_map> #include "../io_context.hpp" namespace
holoscan::gxf { nvidia::gxf::Receiver* get_gxf_receiver(const
std::shared_ptr<IOSpec>& input_spec); class GXFInputContext : public InputContext
{ public: GXFInputContext(ExecutionContext* execution_context, Operator* op);
GXFInputContext(ExecutionContext* execution_context, Operator* op,
std::unordered_map<std::string, std::shared_ptr<IOSpec>>& inputs); gxf_context_t
gxf_context() const; protected: bool empty_impl(const char* name = nullptr)
override; std::any receive_impl(const char* name = nullptr, bool no_error_message
= false) override; }; class GXFOutputContext : public OutputContext { public:
GXFOutputContext(ExecutionContext* execution_context, Operator* op);
GXFOutputContext(ExecutionContext* execution_context, Operator* op,
std::unordered_map<std::string, std::shared_ptr<IOSpec>>& outputs); gxf_context_t
gxf_context() const; protected: void emit_impl(std::any data, const char* name =
nullptr, OutputType out_type = OutputType::kSharedPointer) override; }; } //
namespace holoscan::gxf #endif/* HOLOSCAN_CORE_GXF_GXF_IO_CONTEXT_HPP */
```

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