



**Program Listing for File downstream\_affordable.hpp**

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`include/holoscan/core/conditions/gxf/downstream_affordable.hpp` )

```
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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_CONDITIONS_GXF_DOWNSTREAM_AFFORDABLE_HPP #define
HOLOSCAN_CORE_CONDITIONS_GXF_DOWNSTREAM_AFFORDABLE_HPP #include
<memory> #include "../gxf/gxf_condition.hpp" namespace holoscan { class
DownstreamMessageAffordableCondition : public gxf::GXFCondition { public:
HOLOSCAN_CONDITION_FORWARD_ARGS_SUPER(DownstreamMessageAffordableCor
GXFCondition) DownstreamMessageAffordableCondition() = default; explicit
DownstreamMessageAffordableCondition(size_t min_size) : min_size_(min_size) {}
const char* gxf_typename() const override { return
"nvidia::gxf::DownstreamReceptiveSchedulingTerm"; } void setup(ComponentSpec&
spec) override; void transmitter(std::shared_ptr<gxf::GXFResource> transmitter) {
transmitter_ = transmitter; } std::shared_ptr<gxf::GXFResource> transmitter() {
return transmitter_; } void min_size(uint64_t min_size) { min_size_ = min_size; }
uint64_t min_size() { return min_size_; } void initialize() override {
GXFCondition::initialize(); } // TODO(GXF4): Expected<void>
setTransmitter(Handle<Transmitter> value) // TODO(GXF4): Expected<void>
setMinSize(uint64_t value) private: // TODO(GXF4): this is now a
std::set<Handle<Transmitter>> transmitters_
Parameter<std::shared_ptr<gxf::GXFResource>> transmitter_; Parameter<uint64_t>
min_size_; }; } // namespace holoscan #endif/*
HOLOSCAN_CORE_CONDITIONS_GXF_DOWNSTREAM_AFFORDABLE_HPP */
```

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