



Program Listing for File `async_ping_tx.hpp`

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`include/holoscan/operators/async_ping_tx/async_ping_tx.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_OPERATORS_ASYNC_PING_TX_HPP #define
HOLOSCAN_OPERATORS_ASYNC_PING_TX_HPP #include <atomic> #include
<cstdint> #include <memory> #include <thread> #include
<holoscan/holoscan.hpp> namespace holoscan::ops { class AsyncPingTxOp : public
Operator { public: HOLOSCAN_OPERATOR_FORWARD_ARGS(AsyncPingTxOp)
AsyncPingTxOp() = default; void setup(OperatorSpec& spec) override; void initialize()
override; void start() override; void compute(InputContext&, OutputContext&
op_output, ExecutionContext&) override; void stop() override; void async_ping();
private: Parameter<int64_t> delay_; Parameter<uint64_t> count_;
Parameter<std::shared_ptr<AsynchronousCondition>> async_condition_; // internal
state std::atomic<uint64_t> index_{0}; std::atomic<bool> should_stop_{false};
std::thread async_thread_; }; } // namespace holoscan::ops #endif/*
HOLOSCAN_OPERATORS_ASYNC_PING_TX_HPP */
```

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