



Program Listing for File infer.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_INFER_CORE_H #define _HOLOSCAN_INFER_CORE_H #include
<iostream> #include <memory> #include <vector> #include <holoinfer_buffer.hpp>
namespace holoscan { namespace inference { class InferBase { public: virtual
~InferBase() = default; virtual InferStatus do_inference(const
std::vector<std::shared_ptr<DataBuffer>>& input_data,
std::vector<std::shared_ptr<DataBuffer>>& output_buffer) { return InferStatus(); }
virtual std::vector<std::vector<int64_t>> get_input_dims() const { return {}; } virtual
std::vector<std::vector<int64_t>> get_output_dims() const { return {}; } virtual
std::vector<holoinfer_datatype> get_input_datatype() const { return {}; } virtual
std::vector<holoinfer_datatype> get_output_datatype() const { return {}; } virtual
void cleanup() {} }; } // namespace inference } // namespace holoscan #endif
```

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