



Function holoscan::inference::allocate_buffers

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- Defined in [File holoinfer_buffer.hpp](#)

Function Documentation

InferStatus holoscan::inference::allocate_buffers(DataMap &buffers, std::vector<int64_t> &dims, [holoinfer_datatype](#) datatype, const std::string &keyname, bool allocate_cuda, int device_id)

Allocate buffer on host and device.

Parameters

- **buffers** – [Map](#) with keyword as model name or tensor name, and value as [DataBuffer](#). The map is populated in this function.
- **dims** – Dimension of the allocation
- **datatype** – Data type of the buffer
- **keyname** – Storage name in the map against the created [DataBuffer](#)
- **allocate_cuda** – flag to allocate cuda buffer
- **device_id** – GPU ID to allocate buffers on

Returns

InferStatus with appropriate code and message

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