



Class GXFParameterAdaptor

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

Class Documentation

class GXFParameterAdaptor

Public Types

```
using AdaptFunc = std::function<gxf_result_t(gxf_context_t context, gxf_uid_t uid,
const char *key, const ArgType &arg_type, const std::any &any_value)>
```

Public Functions

```
inline AdaptFunc &get_param_handler(std::type_index index)
```

```
inline AdaptFunc &get_arg_param_handler(std::type_index index)
```

```
template<typename typeT>
inline void add_param_handler(AdaptFunc func)
```

```
inline void add_param_handler(std::type_index index, AdaptFunc func)
```

```
template<typename typeT>
inline void add_param_handler()
```

Public Static Functions

```
static GXFParameterAdaptor &get_instance()
```

Get the instance of [GXFParameterAdaptor](#).

Returns

The reference of the static [GXFParameterAdaptor](#) instance.

```
static inline gxf_result_t set_param(gxf_context_t context, gxf_uid_t uid, const char
*key, ParameterWrapper &param_wrap)
```

```
static inline gxf_result_t set_param(gxf_context_t context, gxf_uid_t uid, const char
*key, const ArgType &arg_type, std::any &any_value)
```

```
template<typename typeT>
static inline void ensure_type()
```

```
template<typename typeT>
static inline gxf_result_t set_gxf_parameter_value(gxf_context_t context, gxf_uid_t
uid, const char *key, const ArgType &arg_type, typeT &value)
```

Public Static Attributes

```
static AdaptFunc none_param_handler =
```

```
[](gxf_context_t context, gxf_uid_t uid, const char* key, const ArgType&
arg_type, const std::any& any_value) {(void)context; (void)uid; (void)key;
(void)arg_type; (void)any_value; HOLOSCAN_LOG_ERROR("Unable to handle
parameter: {}", key); return GXF_FAILURE;}
```

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