core::sample_allocator

```
template <class T> class sample_allocator;
```

Member types

member type	definition	represents
value_type	T	Element type
pointer	T*	Pointer to element
const_pointer	const T*	Pointer to constant element
reference	T&	Reference to element
const_reference	const T&	Reference to constant element
size_type	size_t	Quantities of elements
difference_type	ptrdiff_t	Difference between two pointers
rebind<U>	member class	Its member type other is the equivalent allocator type to allocate elements of type U
propagate_on_container_move_assignment	true_type	Indicates that allocator shall propagate when the container is move-assigned
is_always_equal	true_type	

Member functions

(constructor)	Construct allocator object (public member function)
(destructor)	Allocator destructor (public member function)
address	Return address (public member function)
allocate	Allocate block of storage (public member function)
deallocate	Release block of storage (public member function)
max_size	Maximum size possible to allocate (public member function)
construct	Construct an object (public member function)

destroy	Destroy an object (public member function)

Template specializations

```
template <> class sample_allocator<void>;
```

Member types

member type	definition	represents
value_type	void	Element type
pointer	void*	Pointer to element
const_pointer	const void*	Pointer to constant element
size_type	size_t	Quantities of elements
difference_type	ptrdiff_t	Difference between two pointers
rebind<U>	member class	Its member type other is the equivalent allocator type to allocate elements of type U