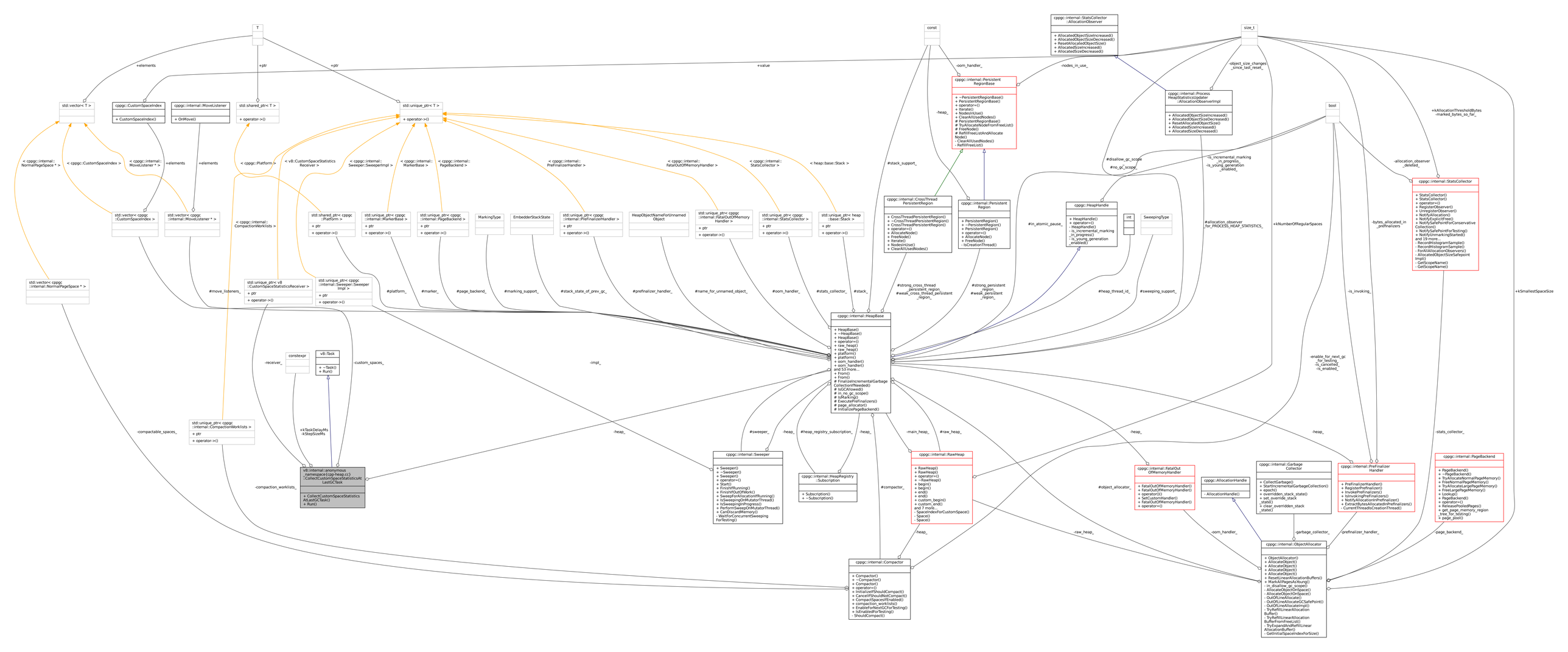
T
+elements
+ptr
+ptr
+value
const
size_t
bool
std::vector< T >
std::shared_ptr< T >
+ operator->()
std::unique_ptr< T >
+ operator->()
cppgc::CustomSpaceIndex
+ CustomSpaceIndex()
cppgc::internal::MoveListener
+ OnMove()
cppgc::internal::StatsCollector
::AllocationObserver
+ AllocatedObjectSizeIncreased()
+ AllocatedObjectSizeDecreased()
+ ResetAllocatedObjectSize()
+ AllocatedSizeIncreased()
+ AllocatedSizeDecreased()
-oom_handler_
-nodes_in_use_
-object_size_changes
_since_last_reset_
+kAllocationThresholdBytes
-marked_bytes_so_far_
-heap_
cppgc::internal::Persistent
RegionBase
+ ~PersistentRegionBase()
+ PersistentRegionBase()
+ operator=()
+ Iterate()
+ NodesInUse()
+ ClearAllUsedNodes()
# PersistentRegionBase()
# TryAllocateNodeFromFreeList()
# FreeNode()
# RefillFreeListAndAllocate
Node()
- ClearAllUsedNodes()
- RefillFreeList()
cppgc::internal::Process
HeapStatisticsUpdater
::AllocationObserverImpl
+ AllocatedObjectSizeIncreased()
+ AllocatedObjectSizeDecreased()
+ ResetAllocatedObjectSize()
+ AllocatedSizeIncreased()
+ AllocatedSizeDecreased()
< cppgc::internal::
NormalPageSpace * >
< cppgc::CustomSpaceIndex >
< cppgc::internal::
MoveListener * >
+elements
+elements
< cppgc::Platform >
< v8::CustomSpaceStatistics
Receiver >
< cppgc::internal::
Sweeper::SweeperImpl >
< cppgc::internal::
MarkerBase >
< cppgc::internal::
PageBackend >
< cppgc::internal::
PreFinalizerHandler >
< cppgc::internal::
FatalOutOfMemoryHandler >
< cppgc::internal::
StatsCollector >
< heap::base::Stack >
#stack_support_
#disallow_gc_scope
#no_gc_scope_
-is_incremental_marking
_in_progress_
-is_young_generation
enabled
-allocation_observer
deleted
cppgc::internal::StatsCollector
+ StatsCollector()
+ StatsCollector()
+ operator=()
+ RegisterObserver()
+ UnregisterObserver()
+ NotifyAllocation()
+ NotifyExplicitFree()
+ NotifySafePointForConservative
Collection()
+ NotifySafePointForTesting()
+ NotifyUnmarkingStarted()
and 19 more...
- RecordHistogramSample()
- RecordHistogramSample()
- ForAllAllocationObservers()
- AllocatedObjectSizeSafepoint
Impl()
- GetScopeName()
- GetScopeName()
cppgc::internal::CrossThread
PersistentRegion
+ CrossThreadPersistentRegion()
+ ~CrossThreadPersistentRegion()
+ CrossThreadPersistentRegion()
+ operator=()
+ AllocateNode()
+ FreeNode()
+ Iterate()
+ NodesInUse()
+ ClearAllUsedNodes()
cppgc::internal::Persistent
Region
+ PersistentRegion()
+ ~PersistentRegion()
+ PersistentRegion()
+ operator=()
+ AllocateNode()
+ FreeNode()
- IsCreationThread()
cppgc::HeapHandle
+ HeapHandle()
+ operator=()
- HeapHandle()
- is_incremental_marking
_in_progress()
- is_young_generation
_enabled()
int
SweepingType
#in_atomic_pause_
#allocation_observer
_for_PROCESS_HEAP_STATISTICS_
+kNumberOfRegularSpaces
-bytes_allocated_in
_prefinalizers
+kSmallestSpaceSize
std::vector< cppgc
::CustomSpaceIndex >
std::vector< cppgc
::internal::MoveListener * >
std::shared_ptr< cppgc
::Platform >
+ ptr
+ operator->()
std::unique_ptr< cppgc
::internal::MarkerBase >
+ ptr
+ operator->()
std::unique_ptr< cppgc
::internal::PageBackend >
+ ptr
+ operator->()
MarkingType
EmbedderStackState
std::unique_ptr< cppgc
::internal::PreFinalizerHandler >
+ ptr
+ operator->()
HeapObjectNameForUnnamed
Object
std::unique_ptr< cppgc
::internal::FatalOutOfMemory
Handler >
+ ptr
+ operator->()
std::unique_ptr< cppgc
::internal::StatsCollector >
+ ptr
+ operator->()
std::unique_ptr< heap
::base::Stack >
+ ptr
+ operator->()
std::vector< cppgc
::internal::NormalPageSpace * >
std::unique_ptr< v8
::CustomSpaceStatisticsReceiver >
+ ptr
+ operator->()
std::unique_ptr< cppgc
::internal::Sweeper::Sweeper
Impl >
+ ptr
+ operator->()
#move_listeners_
#platform_
#marker_
#page_backend_
#marking_support_
#stack_state_of_prev_gc_
#prefinalizer_handler_
#name_for_unnamed_object_
#oom_handler_
#stats_collector_
#stack_
#strong_cross_thread
_persistent_region_
#weak_cross_thread_persistent
region
#strong_persistent
region
#weak_persistent
region
#heap_thread_id_
#sweeping_support_
-bytes_allocated_in
_prefinalizers
-is_invoking_
-enable_for_next_gc
_for_testing_
-is_cancelled_
-is_enabled_
cppgc::internal::HeapBase
+ HeapBase()
+ ~HeapBase()
+ HeapBase()
+ operator=()
+ raw_heap()
+ raw_heap()
+ stats_collector()
+ platform()
+ oom_handler()
+ oom_handler()
and 53 more...
+ From()
+ From()
# FinalizeIncrementalGarbage
CollectionIfNeeded()
# IsGCAllowed()
# in_no_gc_scope()
# IsMarking()
# ExecutePreFinalizers()
# page_allocator()
# InitializePageBackend()
constexpr
v8::Task
+ ~Task()
+ Run()
-receiver_
-custom_spaces_
-impl_
std::unique_ptr< cppgc
::internal::CompactionWorklists >
+ ptr
+ operator->()
-compactable_spaces_
+kTaskDelayMs
+kStepSizeMs
-heap_
#sweeper_
-heap_
#heap_registry_subscription_
-heap_
-main_heap_
#raw_heap_
-heap_
-heap_
-stats_collector_
v8::internal::anonymous
_namespace{cpp-heap.cc}
::CollectCustomSpaceStatisticsAt
LastGCTask
+ CollectCustomSpaceStatistics
AtLastGCTask()
+ Run()
-compaction_worklists_
cppgc::internal::Sweeper
+ Sweeper()
+ ~Sweeper()
+ Sweeper()
+ operator=()
+ Start()
+ FinishIfRunning()
+ FinishIfOutOfWork()
+ SweepForAllocationIfRunning()
+ IsSweepingOnMutatorThread()
+ IsSweepingInProgress()
+ PerformSweepOnMutatorThread()
+ CanDiscardMemory()
- WaitForConcurrentSweeping
ForTesting()
cppgc::internal::HeapRegistry
::Subscription
+ Subscription()
+ ~Subscription()
cppgc::internal::RawHeap
+ RawHeap()
+ RawHeap()
+ operator=()
+ ~RawHeap()
+ begin()
+ begin()
+ end()
+ end()
+ custom_begin()
+ custom_end()
and 7 more...
- SpaceIndexForCustomSpace()
- Space()
- Space()
#compactor_
-heap_
-raw_heap_
-raw_heap_
#object_allocator_
-oom_handler_
cppgc::internal::FatalOut
OfMemoryHandler
+ FatalOutOfMemoryHandler()
+ FatalOutOfMemoryHandler()
+ operator=()
+ SetCustomHandler()
+ FatalOutOfMemoryHandler()
+ operator=()
cppgc::AllocationHandle
- AllocationHandle()
cppgc::internal::Garbage
Collector
+ CollectGarbage()
+ StartIncrementalGarbageCollection()
+ epoch()
+ GetMarkedBytes_stack_state()
+ get_override_stack
_state()
+ clear_overridden_stack
_state()
-garbage_collector_
cppgc::internal::PreFinalizer
Handler
+ PreFinalizerHandler()
+ RegisterPrefinalizer()
+ InvokePreFinalizers()
+ IsInvokingPreFinalizers()
+ NotifyAllocationInPrefinalizer()
+ ExtractBytesAllocatedInPrefinalizers()
- CurrentThreadIsCreationThread()
-prefinalizer_handler_
cppgc::internal::PageBackend
+ PageBackend()
+ ~PageBackend()
+ TryAllocateNormalPageMemory()
+ FreeNormalPageMemory()
+ TryAllocateLargePageMemory()
+ FreeLargePageMemory()
+ Lookup()
+ PageBackend()
+ operator=()
+ ReleasePooledPages()
+ get_page_memory_region
_tree_for_testing()
+ page_pool()
-page_backend_
cppgc::internal::Compactor
+ Compactor()
+ ~Compactor()
+ Compactor()
+ InitializeIfShouldCompact()
+ CancelIfShouldNotCompact()
+ CompactSpacesIfEnabled()
+ compaction_worklists()
+ EnableForNextGCForTesting()
+ IsEnabledForTesting()
- ShouldCompact()
cppgc::internal::ObjectAllocator
+ ObjectAllocator()
+ AllocateObject()
+ AllocateObject()
+ AllocateObject()
+ AllocateObject()
+ ResetLinearAllocationBuffers()
+ MarkAllPagesAsYoung()
- in_disallow_gc_scope()
- AllocateObjectOnSpace()
- AllocateObjectOnSpace()
- OutOfLineAllocate()
- OutOfLineAllocateGCSafePoint()
- OutOfLineAllocateImpl()
- TryRefillLinearAllocation
Buffer()
- TryRefillLinearAllocation
BufferFromFreeList()
- TryExpandAndRefillLinear
AllocationBuffer()
- GetInitialSpaceIndexForSize()