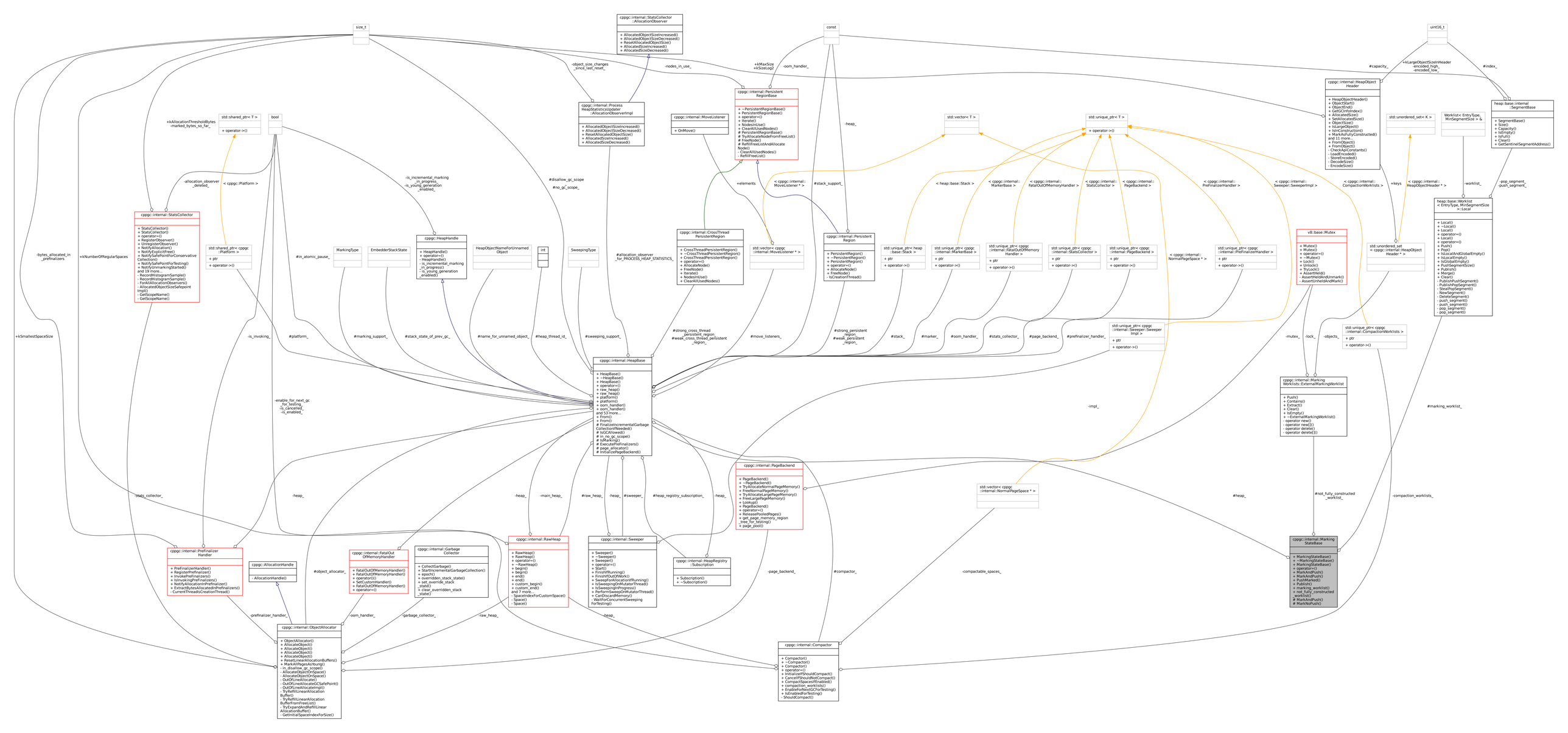
size_t
cppgc::internal::StatsCollector::AllocationObserver
+ AllocatedObjectSizeIncreased()
+ AllocatedObjectSizeDecreased()
+ ResetAllocatedObjectSize()
+ AllocatedSizeIncreased()
+ AllocatedSizeDecreased()
const
uint16_t
-object_size_changes_since_last_reset_
-nodes_in_use_
+kMaxSize
+kSizeLog2
-oom_handler_
#capacity_
+kLargeObjectSizeInHeader
-encoded_high_
-encoded_low_
#index_
cppgc::internal::ProcessHeapStatisticsUpdater::AllocationObserverImpl
+ AllocatedObjectSizeIncreased()
+ AllocatedObjectSizeDecreased()
+ ResetAllocatedObjectSize()
+ AllocatedSizeIncreased()
+ AllocatedSizeDecreased()
cppgc::internal::PersistentRegionBase
+ ~PersistentRegionBase()
+ PersistentRegionBase()
+ operator=()
+ Iterate()
+ NodesInUse()
+ ClearAllUsedNodes()
# PersistentRegionBase()
# TryAllocateNodeFromFreeList()
# FreeNode()
# RefillFreeListAndAllocateNode()
- ClearAllUsedNodes()
- RefillFreeList()
cppgc::internal::MoveListener
+ OnMove()
-heap_
std::vector< T >
std::unique_ptr< T >
+ operator->()
cppgc::internal::HeapObjectHeader
+ HeapObjectHeader()
+ ObjectStart()
+ ObjectEnd()
+ GetGCInfoIndex()
+ GetSizeForSweep()
+ SetAllocatedSize()
+ ObjectSize()
+ IsLargeObject()
+ IsInConstruction()
+ MarkAsFullyConstructed()
and 11 more...
+ FromObject()
+ FromObject()
- CheckApiConstants()
- LoadEncoded()
- StoreEncoded()
- DecodeSize()
- EncodeSize()
std::unordered_set< K >
Worklist< EntryType, MinSegmentSize > &
heap::base::internal::SegmentBase
+ SegmentBase()
+ Size()
+ Capacity()
+ IsEmpty()
+ IsFull()
+ Clear()
+ GetSentinelSegmentAddress()
std::shared_ptr< T >
+ operator->()
bool
+kAllocationThresholdBytes
-marked_bytes_so_far_
-allocation_observer_deleted_
< cppgc::Platform >
-is_incremental_marking_in_progress_
-is_young_generation_enabled_
#disallow_gc_scope
#no_gc_scope_
+elements
< cppgc::internal::MoveListener * >
#stack_support_
< heap::base::Stack >
< cppgc::internal::MarkerBase >
< cppgc::internal::FatalOutOfMemoryHandler >
< cppgc::internal::StatsCollector >
< cppgc::internal::PageBackend >
< cppgc::internal::PrefinalizerHandler >
< cppgc::internal::Sweeper::SweeperImpl >
< cppgc::internal::CompactionWorklists >
+keys
< cppgc::internal::HeapObjectHeader* >
-worklist_
-pop_segment_
-push_segment_
heap::base::Worklist< EntryType, MinSegmentSize >::Local
+ Local()
+ ~Local()
+ Local(Local&&)
+ operator=()
+ Local()
+ operator=()
+ Push()
+ Pop()
+ IsLocalAndGlobalEmpty()
+ IsLocalEmpty()
+ IsGlobalEmpty()
+ PushSegmentSize()
+ Publish()
+ Merge()
+ Clear()
- PublishPushSegment()
- PublishPopSegment()
- StealPopSegment()
- NewSegment()
- DeleteSegment()
- push_segment()
- push_segment()
- pop_segment()
- pop_segment()
cppgc::internal::StatsCollector
+ StatsCollector()
+ StatsCollector()
+ operator=()
+ RegisterObserver()
+ UnregisterObserver()
+ NotifyAllocation()
+ NotifyExplicitFree()
+ NotifySafePointForConservative_Stack()
+ NotifySafePointForTesting()
+ NotifyUnmarkingStarted()
and 19 more...
- RecordHistogramSample()
- RecordHistogramSample()
- ForAllAllocationObservers()
- AllocatedObjectSizeSafepointImpl()
- GetScopeName()
- GetScopeName()
std::shared_ptr< cppgc::Platform >
+ ptr
+ operator->()
MarkingType
EmbedderStackState
cppgc::HeapHandle
+ HeapHandle()
+ operator=()
- HeapHandle()
- is_incremental_marking_in_progress()
- is_young_generation_enabled()
HeapObjectNameForUnnamedObject
int
SweepingType
#in_atomic_pause_
#allocation_observer_for_PROCESS_HEAP_STATISTICS_
cppgc::internal::CrossThreadPersistentRegion
+ CrossThreadPersistentRegion()
+ ~CrossThreadPersistentRegion()
+ CrossThreadPersistentRegion()
+ operator=()
+ AllocateNode()
+ FreeNode()
+ Iterate()
+ NodesInUse()
+ ClearAllUsedNodes()
std::vector< cppgc::internal::MoveListener * >
cppgc::internal::PersistentRegion
+ PersistentRegion()
+ ~PersistentRegion()
+ PersistentRegion()
+ operator=()
+ AllocateNode()
+ FreeNode()
- IsCreationThread()
std::unique_ptr< heap::base::Stack >
+ ptr
+ operator->()
std::unique_ptr< cppgc::internal::MarkerBase >
+ ptr
+ operator->()
std::unique_ptr< cppgc::internal::FatalOutOfMemoryHandler >
+ ptr
+ operator->()
std::unique_ptr< cppgc::internal::StatsCollector >
+ ptr
+ operator->()
std::unique_ptr< cppgc::internal::PageBackend >
+ ptr
+ operator->()
< cppgc::internal::NormalPageSpace * >
std::unique_ptr< cppgc::internal::PrefinalizerHandler >
+ ptr
+ operator->()
v8::base::Mutex
+ Mutex()
+ Mutex()
+ operator=()
+ ~Mutex()
+ Lock()
+ Unlock()
+ TryLock()
+ AssertHeld()
- AssertHeldAndUnmark()
- AssertUnheldAndMark()
std::unordered_set< cppgc::internal::HeapObjectHeader * >
std::unique_ptr< cppgc::internal::Sweeper::SweeperImpl >
+ ptr
+ operator->()
std::unique_ptr< cppgc::internal::CompactionWorklists >
+ ptr
+ operator->()
-mutex_
-lock_
-objects_
-impl_
#marking_worklist_
-bytes_allocated_in_prefinalizers_
+kNumberOfRegularSpaces
+kSmallestSpaceSize
-is_invoking_
#platform_
#marking_support_
#stack_state_of_prev_gc_
#name_for_unnamed_object_
#heap_thread_id_
#sweeping_support_
#strong_cross_thread_persistent_region_
#weak_cross_thread_persistent_region_
#move_listeners_
#strong_persistent_region_
#weak_persistent_region_
#stack_
#marker_
#oom_handler_
#stats_collector_
#page_backend_
#prefinalizer_handler_
-enable_for_next_gc_for_testing_
-is_cancelled_
-is_enabled_
cppgc::internal::HeapBase
+ HeapBase()
+ ~HeapBase()
+ HeapBase()
+ operator=()
+ raw_heap()
+ raw_heap()
+ platform()
+ platform()
+ oom_handler()
+ oom_handler()
+ stack_support()
+ Terminate()
+ Fatal()
+ Fatal()
# FinalizeIncrementalGarbageCollectionIfNeeded()
# IsGCAllowed()
# in_no_gc_scope()
# IsMarking()
# ExecutePrefinalizers()
# page_allocator()
# InitializePageBackend()
cppgc::internal::Marking Worklists::ExternalMarkingWorklist
+ Push()
+ Contains()
+ Extract()
+ Clear()
+ IsEmpty()
+ ~ExternalMarkingWorklist()
- operator new()
- operator new[]()
- operator delete()
- operator delete[]()
std::vector< cppgc::internal::NormalPageSpace * >
-stats_collector_
-heap_
-main_heap_
#raw_heap_
#sweeper_
#heap_registry_subscription_
#not_fully_constructed_worklist_
-compaction_worklists_
cppgc::internal::PrefinalizerHandler
+ PrefinalizerHandler()
+ RegisterPrefinalizer()
+ InvokePrefinalizers()
+ IsInvokingPreFinalizers()
+ NotifyAllocationInPrefinalizer()
+ ExtractBytesAllocatedInPrefinalizers()
- CurrentThreadIsCreationThread()
cppgc::AllocationHandle
- AllocationHandle()
cppgc::internal::FatalOutOfMemoryHandler
+ FatalOutOfMemoryHandler()
+ FatalOutOfMemoryHandler()
+ operator()()
+ SetCustomHandler()
+ FatalOutOfMemoryHandler()
+ operator=()
cppgc::internal::Garbage Collector
+ CollectGarbage()
+ StartIncrementalGarbageCollection()
+ epoch()
+ overridden_stack_state()
+ set_override_stack_state()
+ clear_overridden_stack_state()
cppgc::internal::RawHeap
+ RawHeap()
+ RawHeap()
+ operator=()
+ ~RawHeap()
+ begin()
+ begin()
+ end()
+ end()
+ custom_begin()
+ custom_end()
and 7 more...
- SpaceIndexForCustomSpace()
- Space()
- Space()
cppgc::internal::Sweeper
+ Sweeper()
+ ~Sweeper()
+ Sweeper()
+ operator=()
+ Start()
+ FinishIfRunning()
+ FinishIfOutOfWork()
+ SweepForAllocationIfRunning()
+ IsSweepingOnMutatorThread()
+ NotifyDoneIfNeeded()
+ PerformSweepOnMutatorThread()
+ CanDiscardMemory()
- WaitForConcurrentSweepingForTesting()
cppgc::internal::HeapRegistry::Subscription
+ Subscription()
+ ~Subscription()
cppgc::internal::PageBackend
+ PageBackend()
+ ~PageBackend()
+ TryAllocateNormalPageMemory()
+ FreeNormalPageMemory()
+ TryAllocateLargePageMemory()
+ FreeLargePageMemory()
+ Lookup()
+ PageBackend()
+ operator=()
+ ReleasePooledPages()
+ get_page_memory_region_tree_for_testing()
+ page_pool()
cppgc::internal::Marking StateBase
+ MarkingStateBase()
+ ~MarkingStateBase()
+ MarkingStateBase()
+ operator=()
+ MarkAndPush()
+ MarkAndPush()
+ PushMarked()
+ Publish()
+ marking_worklist()
+ not_fully_constructed_worklist()
# MarkAndPush()
# MarkNoPush()
-prefinalizer_handler_
#object_allocator_
-oom_handler_
-garbage_collector_
-raw_heap_
-page_backend_
#compactor_
-compactable_spaces_
cppgc::internal::ObjectAllocator
+ ObjectAllocator()
+ AllocateObject()
+ AllocateObject()
+ AllocateObject()
+ AllocateObject()
+ ResetLinearAllocationBuffers()
+ MarkAllPagesAsYoung()
- in_disallow_gc_scope()
- AllocateObjectOnSpace()
- AllocateObjectOnSpace()
- OutOfLineAllocate()
- OutOfLineAllocateGCSafePoint()
- OutOfLineAllocateImpl()
- TryRefillLinearAllocationBuffer()
- TryRefillLinearAllocationBuffer()
- AllocateFromFreeList()
- TryExpandAndRefillLinearAllocationBuffer()
- GetInitialSpaceIndexForSize()
cppgc::internal::Compactor
+ Compactor()
+ ~Compactor()
+ Compactor()
+ operator=()
+ InitializeIfShouldCompact()
+ CancelIfShouldNotCompact()
+ CompactableSpaceHandled()
+ CancelIfNeeded()
+ EnableForNextGCForTesting()
+ IsEnabledForTesting()
- ShouldCompact()
-heap_