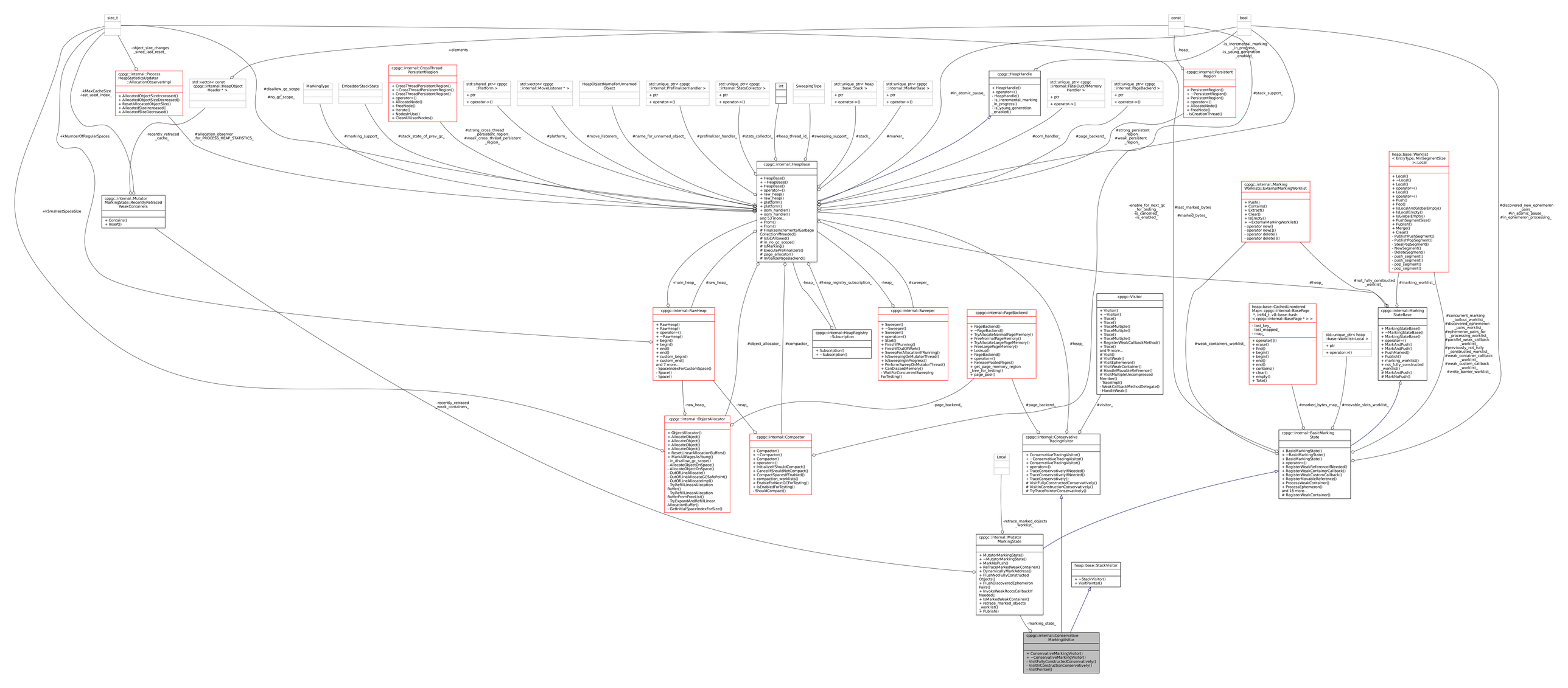
size_t
const
bool
cppgc::internal::Process HeapStatisticsUpdater
::AllocationObserverImpl
+ AllocatedObjectSizeIncreased()
+ AllocatedObjectSizeDecreased()
+ ResetAllocatedObjectSize()
+ AllocatedSizeIncreased()
+ AllocatedSizeDecreased()
std::vector< const cppgc::internal::HeapObjectHeader * >
MarkingType
EmbedderStackState
cppgc::internal::CrossThreadPersistentRegion
+ CrossThreadPersistentRegion()
+ ~CrossThreadPersistentRegion()
+ CrossThreadPersistentRegion()
+ operator=()
+ AllocateNode()
+ FreeNode()
+ Iterate()
+ NodesInUse()
+ ClearAllUsedNodes()
std::shared_ptr< cppgc::Platform >
+ ptr
+ operator->()
std::vector< cppgc::internal::MoveListener * >
HeapObjectNameForUnnamedObject
std::unique_ptr< cppgc::internal::PrefinalizerHandler >
+ ptr
+ operator->()
std::unique_ptr< cppgc::internal::StatsCollector >
+ ptr
+ operator->()
int
SweepingType
std::unique_ptr< heap::base::Stack >
+ ptr
+ operator->()
std::unique_ptr< cppgc::internal::MarkerBase >
+ ptr
+ operator->()
cppgc::HeapHandle
+ HeapHandle()
+ operator=()
- HeapHandle()
- is_incremental_marking_in_progress()
- is_young_generation_enabled()
std::unique_ptr< cppgc::internal::FatalOutOfMemoryHandler >
+ ptr
+ operator->()
std::unique_ptr< cppgc::internal::PageBackend >
+ ptr
+ operator->()
cppgc::internal::Persistent Region
+ PersistentRegion()
+ ~PersistentRegion()
+ operator=()
+ AllocateNode()
+ FreeNode()
- IsCreationThread()
-object_size_changes
_since_last_reset_
+elements
-heap_
-is_incremental_marking
_in_progress_
-is_young_generation
enabled
-kMaxCacheSize
-last_used_index_
#disallow_gc_scope
#no_gc_scope_
#in_atomic_pause_
#stack_support_
+kNumberOfRegularSpaces
-recently_retraced
cache
#allocation_observer
_for_PROCESS_HEAP_STATISTICS_
#marking_support_
#stack_state_of_prev_gc_
#strong_cross_thread
_persistent_region_
#weak_cross_thread_persistent
region
#platform_
#move_listeners_
#name_for_unnamed_object_
#prefinalizer_handler_
#stats_collector_
#heap_thread_id_
#sweeping_support_
#stack_
#marker_
#oom_handler_
#page_backend_
#strong_persistent
region
#weak_persistent
region
cppgc::internal::HeapBase
+ HeapBase()
+ ~HeapBase()
- HeapBase()
+ operator=()
+ raw_heap()
+ raw_heap()
+ platform()
+ platform()
+ oom_handler()
+ oom_handler()
and 53 more...
+ From()
+ From()
# FinalizeIncrementalGarbageCollectionIfNeeded()
# CollectStatsHeap()
# in_no_gc_scope()
# IsMarking()
# ExecutePreFinalizers()
# page_allocator()
# InitializePageBackend()
cppgc::internal::Mutator MarkingState::RecentlyRetraced WeakContainers
+ Contains()
+ Insert()
+kSmallestSpaceSize
-enable_for_next_gc
_for_testing_
-is_canceled_
-is_enabled_
#last_marked_bytes
#marked_bytes_
cppgc::internal::Marking Worklists::ExternalMarkingWorklist
+ Push()
+ Contains()
+ Extract()
+ Clear()
+ IsEmpty()
+ ~ExternalMarkingWorklist()
- operator new()
- operator new[]()
- operator delete()
- operator delete[]()
heap::base::Worklist
< EntryType, MinSegmentSize
>::Local
+ Local()
+ ~Local()
+ Local()
+ operator=()
+ Local()
+ operator=()
+ Push()
+ Pop()
+ HasPublishAnyGlobalEmpty()
+ IsLocalEmpty()
+ IsGlobalEmpty()
+ PushSegmentSize()
+ Publish()
+ Merge()
+ Clean()
- PublishPushSegment()
- PublishPopSegment()
- StealPopSegment()
- NewSegment()
- DeleteSegment()
- push_segment()
- push_segment()
- pop_segment()
- pop_segment()
#discovered_new_ephemeron
pairs
#in_atomic_pause_
#in_ephemeron_processing_
#heap_
#not_fully_constructed
worklist
#marking_worklist_
-main_heap_
#raw_heap_
-heap_
#heap_registry_subscription_
-heap_
#sweeper_
cppgc::internal::RawHeap
+ RawHeap()
+ RawHeap()
+ operator=()
+ ~RawHeap()
+ begin()
+ begin()
+ end()
+ end()
+ custom_begin()
+ custom_end()
and 7 more...
- SpaceIndexForCustomSpace()
- Space()
- Space()
cppgc::internal::HeapRegistry
::Subscription
+ Subscription()
+ ~Subscription()
cppgc::internal::Sweeper
+ Sweeper()
+ ~Sweeper()
+ Sweeper()
+ operator=()
- Start()
+ FinishIfRunning()
+ FinishIfOutOfWork()
+ SweepForAllocationIfRunning()
+ IsSweepingOnMutatorThread()
+ IsSweepingInProgress()
+ PerformSweepOnMutatorThread()
+ CanDiscardMemory()
- WaitForConcurrentSweeping
ForTesting()
cppgc::internal::PageBackend
+ PageBackend()
+ ~PageBackend()
+ TryAllocateNormalPageMemory()
+ FreeNormalPageMemory()
+ TryAllocateLargePageMemory()
+ FreeLargePageMemory()
+ Lookup()
+ PageBackend()
+ operator=()
+ ReleasePooledPages()
+ get_page_memory_region
_tree_for_testing()
+ page_pool()
cppgc::Visitor
+ Visitor()
+ ~Visitor()
+ Trace()
+ Trace()
+ TraceMultiple()
+ TraceMultiple()
+ Trace()
+ TraceMultiple()
+ RegisterWeakCallbackMethod()
+ Trace()
and 9 more...
# Visit()
# VisitWeak()
# VisitEphemeron()
# VisitWeakContainer()
# HandleMovableReference()
# RegisterMultipleUncompressed
Member()
- TraceImpl()
- WeakCallbackMethodDelegate()
- HandleWeak()
heap::base::CachedUnordered
Map< cppgc::internal::BasePage
*, std::hash
< cppgc::internal::BasePage * > >
- last_key_
- last_mapped_
- map_
+ operator[](k)
+ reset()
+ find()
+ begin()
+ begin()
+ end()
+ end()
+ contains()
+ clear()
+ empty()
+ Take()
std::unique_ptr< heap
::base::Worklist::Local >
+ ptr
+ operator->()
cppgc::internal::Marking
StateBase
+ MarkingStateBase()
+ ~MarkingStateBase()
+ MarkingStateBase()
+ operator=()
+ MarkAndPush()
+ MarkAndPush()
+ PushMarked()
+ Publish()
+ marking_worklist()
+ not_fully_constructed
_worklist()
# MarkAndPush()
# MarkNoPush()
#weak_containers_worklist_
#marked_bytes_map_
#movable_slots_worklist_
#concurrent_marking
_bailout_worklist_
#discovered_ephemeron
_pairs_worklist_
#ephemeron_pairs_for
_processing_worklist_
#parallel_weak_callback
worklist
#previously_not_fully
_constructed_worklist_
#weak_container_callback
worklist
#weak_custom_callback
worklist
#write_barrier_worklist_
-raw_heap_
-heap_
#object_allocator_
#compactor_
-page_backend_
#page_backend
#visitor_
#heap_
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()
cppgc::internal::Compactor
+ Compactor()
+ ~Compactor()
+ Compactor()
+ operator=()
+ InitializeIfShouldCompact()
+ CancelIfShouldNotCompact()
+ CompactSpacesIfEnabled()
+ compaction_worklists()
+ EnableForNextGCForTesting()
+ IsEnabledForTesting()
- ShouldCompact()
cppgc::internal::Conservative
TracingVisitor
+ ConservativeTracingVisitor()
+ ~ConservativeTracingVisitor()
+ ConservativeTracingVisitor()
+ operator=()
+ TraceConservativelyIfNeeded()
+ TraceConservativelyIfNeeded()
+ TraceConservatively()
# VisitFullyConstructedConservatively()
# VisitInConstructionConservatively()
# TryTracePointerConservatively()
cppgc::internal::BasicMarking
State
+ BasicMarkingState()
+ ~BasicMarkingState()
+ BasicMarkingState()
+ operator=()
+ RegisterWeakReferenceIfNeeded()
+ RegisterWeakContainerCallback()
+ RegisterWeakCustomCallback()
+ RegisterMovableReference()
+ ProcessWeakContainer()
+ ProcessEphemeron()
and 18 more...
RegisterWeakContainer()
Local
-retrace_marked_objects
worklist
cppgc::internal::Mutator
MarkingState
+ MutatorMarkingState()
+ ~MutatorMarkingState()
+ MarkNoPush()
+ ReTraceMarkedWeakContainer()
+ DynamicallyMarkAddress()
+ FlushNotFullyConstructed
Objects()
+ FlushDiscoveredEphemeron
Pairs()
+ InvokeWeakRootsCallbackIf
Needed()
+ IsMarkedWeakContainer()
+ retrace_marked_objects
_worklist()
+ Publish()
heap::base::StackVisitor
+ ~StackVisitor()
+ VisitPointer()
-marking_state_
cppgc::internal::Conservative
MarkingVisitor
+ ConservativeMarkingVisitor()
+ ~ConservativeMarkingVisitor()
- VisitFullyConstructedConservatively()
- VisitInConstructionConservatively()
- VisitPointer()
-recently_retraced
_weak_containers_