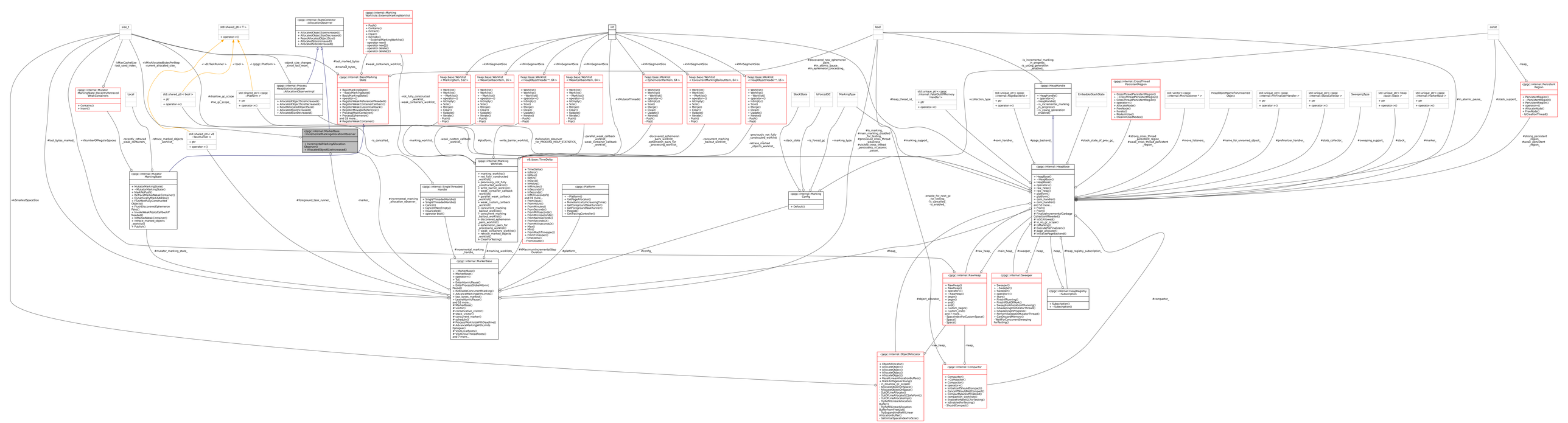
size_t
std::shared_ptr< T >
+ operator->()
cppg::internal::StatsCollector::AllocationObserver
+ AllocatedObjectSize(increased)
+ AllocatedObjectSize(decreased)
+ AllocatedGC(newly allocated)
+ AllocatedSince(reased)
+ AllocatedSize(decreased)
int
bool
const
cppg::internal::Marking Worklists::ExternalMarkingWorklist
+ Push()
+ Contains()
+ Extract()
+ Clear()
+ IsEmpty()
- ~ExternalMarkingWorklist()
- operator new()
- operator new[]()
- operator delete()
- operator delete[]()
-MaxCacheSize
-last_used_index_
+MinAllocatedBytesPerStep
-current_allocated_size_
< v8::TaskRunner >
< bool >
< cppg::Platform >
-object_size_changes
_since_last_reset_
-last_marked_bytes
#marked_bytes_
#weak_containers_worklist_
+MinSegmentSize
+MinSegmentSize
+MinSegmentSize
+MinSegmentSize
+MinSegmentSize
+MinSegmentSize
+MinSegmentSize
#discovered_new_ephemeron
_pairs_worklist_
#in_atomic_pause_
#in_ephemeron_processing_
-head_
cppg::internal::Mutator MarkingState::RecentlyRetraced WeakContainers
+ Contains()
+ Insert()
Local
std::shared_ptr< bool >
+ ptr
+ operator->()
#disallow_gc_scope
#no_gc_scope_
std::shared_ptr< cppg::Platform >
+ ptr
+ operator->()
cppg::internal::Process Heap::AllocationObserverImpl
+ AllocatedObjectSize(increased)
+ AllocatedObjectSize(decreased)
+ AllocatedGC(newly allocated)
+ AllocatedSince(reased)
+ AllocatedSize(decreased)
cppg::internal::BasicMarking State
+ BasicMarkingState()
+ BasicMarkingState()
+ BasicMarkingState()
+ Publish()
+ RegisterWeakReferenceIfNeeded()
+ RegisterWeakContainerCallback()
+ RegisterWeakCallbackIfNeeded()
+ RegisterMovableReference()
+ ProcessWeakContainer()
+ ProcessEphemeron()
and 18 more...
RegisterWeakContainer()
heap::base::Worklist
< WeakCallbackItem, 16 >
heap::base::Worklist
< HeapObjectHeader *, 64 >
heap::base::Worklist
< WeakCallbackItem, 64 >
heap::base::Worklist
< EphemeronPairItem, 64 >
heap::base::Worklist
< ConcurrentMarkingBailoutItem, 64 >
heap::base::Worklist
< HeapObjectHeader *, 16 >
+ Worklist()
+ ~Worklist()
+ Push()
+ IsEmpty()
+ Size()
+ Erase()
+ Clear()
+ Update()
+ Swap()
- Push()
- Pop()
StackState
IsForcedGC
MarkingType
std::unique_ptr< cppg::internal::FlatObjectMemory Handler >
+ ptr
+ operator->()
std::unique_ptr< cppg::internal::PageBackend >
+ ptr
+ operator->()
cppg::internal::HeapHandle
+ HeapHandle()
+ ~HeapHandle()
- HeapHandle()
- is_incremental_marking
_in_progress_
- is_young_generation
enabled
EmbedderStackState
cppg::internal::CrossThread PersistentRegion
+ CrossThreadPersistentRegion()
+ ~CrossThreadPersistentRegion()
+ CrossThreadPersistentRegion()
+ operator=()
+ operator=()
+ FreeNode()
+ Iterate()
+ EnsureInUse()
+ CleanUnusedNodes()
std::vector< cppg::internal::MoveListener * >
HeapObjectNameForUnnamed Object
std::unique_ptr< cppg::internal::PreFinalizerHandler >
+ ptr
+ operator->()
std::unique_ptr< cppg::internal::StatsCollector >
+ ptr
+ operator->()
SweepingType
std::unique_ptr< heap::base::Stack >
+ ptr
+ operator->()
std::unique_ptr< cppg::internal::MarkerBase >
+ ptr
+ operator->()
cppg::internal::Persistent Region
+ PersistentRegion()
+ ~PersistentRegion()
+ PersistentRegion()
+ operator=()
+ AllocateNode()
+ FreeNode()
+ IterateAllThreads()
std::shared_ptr< v8::TaskRunner >
+ ptr
+ operator->()
cppg::internal::MarkerBase::IncrementalMarkingAllocationObserver
+ IncrementalMarkingAllocation Observer()
+ AllocatedObjectSize(increased)
cppg::internal::Mutator MarkingState
+ MutatorMarkingState()
+ ~MutatorMarkingState()
+ Publish()
+ ReTraceMarkedWeakContainer()
+ Dynamically(MarkAddress)
+ DynamicallyConstructed Objects()
+ FlushDiscovered(Ephemeron Pairs()
+ InvokeWeakRootsCallbacksIf Needed()
+ ReTraceMarkedWeakContainer()
+ retrace_marked_objects_worklist()
+ Publish()
cppg::internal::Marking Worklists
+ marking_worklist()
+ not_fully_constructed_worklist()
+ previously_not_fully_constructed_worklist()
+ write_barrier_worklist()
+ weak_callbacks(write_barrier_callback_worklist()
+ parallel_weak_callback_worklist()
+ weak_custom_callback_worklist()
+ concurrent_marking_bailout_worklist()
+ concurrent_marking_weak_callbacks()
+ discovered_ephemeron_pairs_worklist()
+ ephemeron_pairs_for_processing_worklist()
+ weak_containers_worklist()
+ retrace_marked_objects_worklist()
+ ClearForTesting()
v8::base::TimeDelta
+ TimeDelta()
+ IsZero()
+ IsMax()
+ IsMin()
+ InDays()
+ InHours()
+ InMinutes()
+ InSeconds()
+ InMilliseconds()
+ InMicroseconds()
and 19 more...
+ FromDays()
+ FromHours()
+ FromMinutes()
+ FromSeconds()
+ FromMilliseconds()
+ FromMicroseconds()
+ FromNanoseconds()
+ FromSecondsD()
+ FromMilliseconds(D)
+ Max()
+ Min()
+ FromMacTimeticks()
+ FromNanosecondsD()
- TimeDelta()
- FromDouble()
cppg::internal::Marking Config
+ Default()
cppg::internal::HeapBase
+ HeapBase()
+ ~HeapBase()
- HeapBase()
+ operator=()
+ raw_heap()
+ Terminate()
+ platform()
+ platforms()
+ stack_helper()
+ oom_handler()
and 53 more...
+ Init()
+ Finis()
# FinalizeIncrementalGarbageCollectionIfNeeded()
# isolateAllowed()
# in_no_gc_scope()
# IsMainThread()
# DetachFromFinalizer()
# page_allocator()
# AllocateNewBackend()
cppg::internal::Platform
+ ~Platform()
+ GetPageAllocator()
+ MonotonicallyIncreasingTime()
+ GetForegroundTaskRunner()
+ PostNonNestableTaskRunner()
+ Fatal()
+ GetTracingController()
cppg::internal::SingleThreaded Handle
+ SingleThreadedHandle()
+ SingleThreadedHandle()
+ Cancel()
+ IsCanceled(Nonempty)
+ IsCanceled()
+ operator bool()
cppg::internal::MarkerBase
+ ~MarkerBase()
+ MarkerBase()
+ operator=()
+ Stop()
+ EnterAtomicPause()
+ ExitAtomicPause(GlobalAtomic Pause)
+ ReEnableConcurrentMarking()
+ AdvanceMarkingWithLimits()
+ Init_bytes_marked()
+ LeaveAtomicPause()
+ Finish()
+ MarkerBase()
+ visitor()
+ weak(weak_visitor)
+ stack_visitor()
+ concurrent_marker()
+ Publish()
+ ProcessWeakIsolateWithDeadline()
+ AdvanceMarkingWithLimits()
+ Finish()
+ VisitLocalRoots()
+ VisitCrossThreadRoots()
and 7 more...
cppg::internal::Rawmap
+ RawHeap()
+ RawHeap()
+ operator=()
+ operator[]()
+ begin()
+ begin()
+ end()
+ end()
+ custom_begin()
+ custom_end()
and 7 more...
- SpaceIndexForCustomSpace()
- Space()
- Space()
cppg::internal::Sweeper
+ Sweeper()
+ ~Sweeper()
+ Sweeper()
+ operator=()
+ Start()
+ FinishIfRunning()
+ EnsureNoRunning()
+ SweepForNonConcurrentRunning()
+ IsSweepingOnMutatorThread()
+ NotifyDoneIfNeeded()
+ PerformSweepOnMutatorThread()
+ CanDiscardMemory()
+ DisableHeuristicsForSweepingForTesting()
cppg::internal::HeapRegistry::Subscription
+ Subscription()
+ ~Subscription()
cppg::internal::ObjectAllocator
+ ObjectAllocator()
+ AllocateObject()
+ AllocateObject()
+ AllocateObject()
+ AllocateObject()
+ AllocateObject()
+ MarkAllPagesAsYoung()
- in_disallow_gc_scope()
+ AllocateObjectOnPage()
- AllocateObjectOnSpace()
- OutOfLineAllocate()
- OutOfLineAllocateImpl(AlignedHeapPtr)
- OutOfLineAllocateImpl()
- TryRefillLinearAllocation
BuffersImpl()
- TryRefillLinearAllocation
BufferFromFreeList()
- TryRefillLinearAllocationBuffer()
- GetInitialSpaceIndexForSize()
cppg::internal::Compactor
+ Compactor()
+ ~Compactor()
+ Compactor()
+ operator=()
+ CancelIfShouldNotCompact()
+ CancelIfShouldNotCompact()
+ CompactSpacesIfEnabled()
+ InitializeIfShouldCompact()
+ EnableForNextGCForTesting()
+ IsEnabledForTesting()
- ShouldCompact()
#last_bytes_marked_
+kNumberOfRegularSpaces
-recently_retraced
_weak_containers_
-retrace_marked_objects
worklist
#disallow_gc_scope
#no_gc_scope_
-not_fully_constructed
worklist
_weak_containers_worklist_
+MutatorThreadID
#is_cancelled_
-marking_worklist_
-weak_custom_callback
worklist
#platform_
-write_barrier_worklist_
#allocation_observer
_for_PROCESS_HEAP_STATISTICS_
-parallel_weak_callback
worklist
-weak_container_callback
worklist
-discovered_ephemeron
_pairs_worklist_
-ephemeron_pairs_for
_processing_worklist_
-concurrent_marking
_bailout_worklist_
-previously_not_fully
_constructed_worklist_
-retrace_marked
_objects_worklist_
#stack_state
#is_forced_gc
#marking_type
#in_marking
#main_marking_disabled
#processed_cross_thread
weakness
#wait_cross_thread
_persistent_region_
#in_atomic_pause
#marking_support_
#is_incremental_marking
_in_progress_
_is_young_generation
enabled
#heap_thread_id
+collection_type
#oom_handler_
#page_backend_
#stack_state_of_prev_gc_
#strong_cross_thread
_persistent_region_
#weak_cross_thread_persistent
region
#move_listeners_
#name_for_unnamed_object_
#prefinalizer_handler_
#stats_collector_
#sweeping_support_
#stack_
#marker_
#strong_persistent
region
#weak_persistent
region
#in_atomic_pause_
#stack_support_
+SmallestSpaceSize
#foreground_task_runner_
-marker_
#incremental_marking
_allocation_observer_
#mutator_marking_state_
#incremental_marking
handle
#marking_worklists_
#MaximumIncrementalStep
Duration
#platform_
#isolate_for_next_gc
_for_testing_
_is_canceled_
_is_enabled_
#config_
#heap_
#raw_heap_
-main_heap_
#sweeper_
-heap_
-heap_
#heap_registry_subscription_
#object_allocator_
-raw_heap_
-heap_
#compactor_