cppgc::HeapHandle is incremental marking _in_progress_: - is_young_generation enabled + HeapHandle() + operator=() - HeapHandle() is_incremental_marking in_progress() is_young_generation enabled() cppgc::internal::HeapBase # heap_thread id # raw heap # platform # oom_handler_ # page_backend_ # heap_registry_subscription_ # stats collector # stack # prefinalizer_handler_ # marker and 17 more... + HeapBase() + ~HeapBase() + HeapBase() + operator=() + raw_heap() + raw_heap() + platform() + platform() + oom_handler() + oom handler() and 53 more... + From() + From() # FinalizeIncrementalGarbage CollectionIfNeeded() # IsGCAllowed() # in_no_gc_scope() # IsMarking() # ExecutePreFinalizers() # page_allocator() # InitializePageBackend() v8::internal::CppHeap isolate_ - heap - marking done collection_type_ cppgc::internal::Heap - current_gc_flags - minor gc heap growing cross_heap_remembered_set sweeping_on_mutator thread observer generational_gc_enabled_ - buffered allocated bytes override_stack_state in detached testing mode and 9 more... + CppHeap() + ~CppHeap() + CppHeap() + StartIncrementalGarbageCollection() + operator=() + FinalizeIncrementalGarbage + AsBase() + AsBase() + AttachIsolate() + overridden_stack_state() + StartDetachingIsolate() + DetachIsolate() + Terminate() + clear_overridden_stack and 41 more... + InitializeOncePerProcess() + EnableGenerationalGC() + From() + DisableHeapGrowingForTesting() + From() - UpdateGCCapabilitiesFrom Flags() StartGarbageCollection() FinalizeIncrementalGarbage FinalizeGarbageCollection() CollectionIfNeeded() - FinalizeGarbageCollection ReportBufferedAllocation SizeIfPossible() - FinalizeIncrementalGarbage - StartIncrementalGarbageCollection ForTesting() - StartIncrementalGarbageCollection FinalizeIncrementalGarbage CollectionForTesting() FinalizeIncrementalGarbage - SelectMarkingType() - SelectSweepingType() - TracingInitialized() - IsGCForbidden() - IsGCAllowed() - IsDetachedGCAllowed() heap()

config

epoch

+ Heap()

+ ~Heap() + AsBase()

+ AsBase()

+ epoch()

state()

state()

+ From()

+ From()

Impl()

ForTesting()

+ CollectGarbage()

CollectionIfRunning()

+ set override stack

CollectionIfNeeded()

CollectionForTesting()

- growing

gc_invoker_