Oilpan: C++ Garbage Collection

Oilpan is an open-source garbage collection library for C++ that can be used stand-alone or in collaboration with V8's JavaScript garbage collector.

Key properties

- Trace-based garbage collection;
- Precise on-heap memory layout;
- Conservative on-stack memory layout;
- Allows for collection with and without considering stack;
- Incremental and concurrent marking;
- Incremental and concurrent sweeping;
- Non-incremental and non-concurrent compaction for selected spaces;

See the Hello World example on how to get started using Oilpan to manage C++ code.

Oilpan follows V8's project organization, see e.g. on how we accept contributions and provide a stable API.