



Main Process↓

Explicit Allocations

```

718.41 MB (100.0%) -- explicit
└── 553.19 MB (77.00%) — heap-unclassified
    └── 91.29 MB (12.71%) -- window-objects
        ├── 57.71 MB (08.03%) -- top(http://localhost/#navigate/index&index=1, id=8)
        │   ├── 37.63 MB (05.24%) -- active
        │   │   ├── 37.36 MB (05.20%) -- window(http://localhost/#navigate/index&index=1)
        │   │   │   ├── 18.38 MB (02.56%) -- dom
        │   │   │   │   ├── 17.04 MB (02.37%) — event-targets [2]
        │   │   │   │   └── 1.33 MB (00.19%) ++ (5 tiny)
        │   │   │   ├── 17.51 MB (02.44%) -- js-compartment(http://localhost/)
        │   │   │   │   ├── 13.68 MB (01.90%) -- objects
        │   │   │   │   │   ├── 10.35 MB (01.44%) ++ gc-heap
        │   │   │   │   │   └── 3.34 MB (00.46%) ++ (2 tiny)
        │   │   │   │   └── 3.82 MB (00.53%) ++ (7 tiny)
        │   │   │   └── 1.48 MB (00.21%) ++ (3 tiny)
        │   │   └── 0.27 MB (00.04%) ++ window(about:blank)
        │   ├── 20.08 MB (02.80%) -- js-zone(0xe636000)
        │   │   ├── 18.49 MB (02.57%) -- strings
        │   │   │   ├── 12.93 MB (01.80%) ++ notable
        │   │   │   └── 5.56 MB (00.77%) ++ (2 tiny)
        │   │   └── 1.60 MB (00.22%) ++ (7 tiny)
        ├── 27.88 MB (03.88%) -- top(about:memory, id=30)
        │   ├── 15.26 MB (02.12%) -- js-zone(0xf2ee800)
        │   │   ├── 15.14 MB (02.11%) -- strings
        │   │   │   ├── 11.53 MB (01.60%) -- notable
        │   │   │   │   ├── 8.58 MB (01.19%) -- about-memory
        │   │   │   │   │   ├── 8.57 MB (01.19%) — malloc-heap
        │   │   │   │   │   └── 0.01 MB (00.00%) — gc-heap
        │   │   │   │   └── 2.95 MB (00.41%) ++ (75 tiny)
        │   │   └── 3.61 MB (00.50%) ++ (2 tiny)
        │   └── 0.12 MB (00.02%) ++ (6 tiny)
        ├── 11.75 MB (01.64%) ++ active/window(about:memory)
        └── 0.87 MB (00.12%) ++ cached/window(about:support)
    └── 5.70 MB (00.79%) ++ (4 tiny)
└── 31.75 MB (04.42%) -- js-non-window
    ├── 19.07 MB (02.65%) -- zones
    │   ├── 13.62 MB (01.90%) ++ zone(0x7849800)
    │   └── 5.45 MB (00.76%) ++ (5 tiny)
    ├── 11.94 MB (01.66%) ++ runtime
    └── 0.75 MB (00.10%) ++ gc-heap
└── 25.12 MB (03.50%) ++ (20 tiny)
└── 17.06 MB (02.38%) -- heap-overhead
    ├── 14.52 MB (02.02%) — waste
    └── 2.54 MB (00.35%) ++ (2 tiny)

```

Other Measurements

```

12.43 MB (100.0%) -- decommitted
└── 8.02 MB (64.57%) — js-non-window/gc-heap/decommitted-arenas
└── 4.40 MB (35.43%) -- workers/workers()
    ├── 1.47 MB (11.82%) — worker(resource:///modules/sessionstore/SessionWorker.js)
    ├── 1.47 MB (11.82%) — worker(resource://gre/modules/osfile/osfile_async_worke...
    └── 1.46 MB (11.79%) — worker(resource://gre/modules/PageThumbsWorker.js, 0xf6...

```

```
1,925 (100.0%) -- event-counts
└─ 1,925 (100.0%) -- window-objects
    ├─ 1,324 (68.78%) -- top(chrome://browser/content/browser.xul, id=3)/active/window
        ├─ 1,323 (68.73%) — event-listeners
        └─ 1 (00.05%) — event-targets
    ├─ 463 (24.05%) -- top(http://localhost/#navigate/index&index=1, id=8)/active
        ├─ 461 (23.95%) -- window(http://localhost/#navigate/index&index=1)/dom
            ├─ 448 (23.27%) — event-listeners
            └─ 13 (00.68%) — event-targets
        └─ 2 (00.10%) — window(about:blank)/dom/event-listeners
    ├─ 98 (05.09%) — top(about:newtab, id=27)/active/window(about:newtab)/dom/etc...
    ├─ 21 (01.09%) ++ top(resource://gre-resources/hiddenWindow.html, id=1)/active
    └─ 19 (00.99%) ++ top(about:memory, id=30)

93.27 MB (100.0%) -- js-main-runtime
└─ 42.03 MB (45.07%) -- zones
    ├─ 39.18 MB (42.01%) -- strings
        ├─ 25.76 MB (27.62%) -- notable
            ├─ 16.02 MB (17.18%) ++ (342 tiny)
            └─ 9.74 MB (10.44%) -- about-memory
                ├─ 9.72 MB (10.42%) — malloc-heap
                └─ 0.01 MB (00.01%) — gc-heap
        ├─ 12.22 MB (13.10%) -- normal
            ├─ 9.57 MB (10.27%) — malloc-heap
            └─ 2.65 MB (02.84%) — gc-heap
        └─ 1.20 MB (01.29%) — short-gc-heap
    ├─ 1.76 MB (01.89%) — unused-gc-things
    └─ 1.09 MB (01.16%) ++ (6 tiny)
└─ 38.55 MB (41.33%) -- compartments
    ├─ 24.69 MB (26.47%) -- objects
        ├─ 18.93 MB (20.29%) -- gc-heap
            ├─ 10.53 MB (11.29%) — ordinary
            ├─ 4.59 MB (04.92%) — dense-array
            ├─ 3.61 MB (03.87%) — function
            ├─ 0.19 MB (00.21%) — cross-compartment-wrapper
            └─ 5.76 MB (06.18%) -- malloc-heap
        ├─ 3.84 MB (04.12%) — slots
        └─ 1.79 MB (01.92%) — elements/non-asn.js
            └─ 0.13 MB (00.14%) ++ (3 tiny)
        └─ 0.00 MB (00.00%) — non-heap/code/asn.js
    ├─ 8.50 MB (09.12%) -- shapes
        ├─ 4.76 MB (05.10%) -- gc-heap
            ├─ 2.69 MB (02.88%) -- tree
                ├─ 2.43 MB (02.60%) — global-parented
                └─ 0.26 MB (00.27%) — non-global-parented
            ├─ 1.53 MB (01.64%) — base
            └─ 0.54 MB (00.58%) — dict
        └─ 3.74 MB (04.01%) -- malloc-heap
            ├─ 2.32 MB (02.49%) — compartment-tables
            └─ 1.42 MB (01.53%) ++ (3 tiny)
    ├─ 3.20 MB (03.43%) -- scripts
        ├─ 2.71 MB (02.91%) — gc-heap
        └─ 0.49 MB (00.52%) — malloc-heap/data
    └─ 1.26 MB (01.35%) -- baseline
        ├─ 0.95 MB (01.02%) ++ stubs
        └─ 0.31 MB (00.33%) — data
    └─ 0.90 MB (00.96%) ++ (7 tiny)
└─ 11.94 MB (12.80%) — runtime
└─ 0.75 MB (00.80%) ++ gc-heap

267 (100.0%) -- js-main-runtime-compartments
└─ 258 (96.63%) -- system
    ├─ 252 (94.38%) ++ (250 tiny)
    ├─ 3 (01.12%) — [System Principal], about:newtab [3]
    └─ 3 (01.12%) — [System Principal], inProcessTabChildGlobal?ownedBy=chrome:/...
└─ 9 (03.37%) -- user
    ├─ 6 (02.25%) ++ (6 tiny)
    └─ 3 (01.12%) — [Expanded Principal] [3]

39.98 MB (100.0%) -- js-main-runtime-gc-heap-committed
└─ 38.21 MB (95.59%) -- used
    ├─ 37.23 MB (93.13%) — gc-things
    └─ 0.75 MB (01.88%) — chunk-admin
```

```
    └── 0.23 MB (00.58%) — arena-admin
        1.76 MB (04.41%) -- unused
            1.76 MB (04.41%) — gc-things
            0.00 MB (00.00%) ++ (2 tiny)

    0 (100.0%) -- low-memory-events
    0 (100.0%) — physical
    0 (100.0%) — virtual

67 (100.0%) -- message-manager
└── 67 (100.0%) -- referent
    42 (62.69%) -- parent-process-manager
        42 (62.69%) — strong
        0 (00.00%) ++ weak
    21 (31.34%) -- global-manager
        21 (31.34%) — strong
        0 (00.00%) ++ weak
    4 (05.97%) -- child-process-manager
        4 (05.97%) — strong
        0 (00.00%) ++ weak

631 (100.0%) -- observer-service
└── 631 (100.0%) -- referent
    467 (74.01%) — strong
    164 (25.99%) -- weak
        161 (25.52%) — alive
        3 (00.48%) — dead

120 (100.0%) -- observer-service-suspect
└── 120 (100.0%) — referent(topic=xpcom-shutdown)

420 (100.0%) -- preference-service
└── 420 (100.0%) -- referent
    353 (84.05%) — strong
    67 (15.95%) -- weak
        67 (15.95%) — alive
        0 (00.00%) — dead

0 (100.0%) -- queued-ipc-messages
└── 0 (100.0%) — content-parent(???, pid=5616, open channel, 0x15406000, refcnt=14)

30.19 MB (100.0%) -- window-objects
    26.03 MB (86.22%) -- dom
        17.04 MB (56.45%) — event-targets
        7.41 MB (24.53%) — orphan-nodes
        1.11 MB (03.68%) — element-nodes
        0.31 MB (01.03%) — other
        0.16 MB (00.53%) ++ (3 tiny)
    3.24 MB (10.75%) -- layout
        1.22 MB (04.03%) — style-sets
        0.92 MB (03.05%) — pres-shell
        0.59 MB (01.96%) — frames
        0.51 MB (01.70%) ++ (5 tiny)
    0.91 MB (03.03%) — style-sheets
    0.00 MB (00.01%) — property-tables

    0.00 MB — canvas-2d-pixels
    0.00 MB — gfx-d2d-surface-cache
    4.00 MB — gfx-d2d-surface-vram
    15.24 MB — gfx-d2d-vram-draw-target
    1.49 MB — gfx-d2d-vram-source-surface
    3.54 MB — gfx-surface-image
    0.00 MB — gfx-textures
        0 — ghost-windows
    22.96 MB — gpu-committed
    39.80 MB — gpu-dedicated
    12.98 MB — gpu-shared
    655.59 MB — heap-allocated
    671.36 MB — heap-committed
        2.41% — heap-overhead-ratio
        0 — host-object-urls
    0.00 MB — imagelib-surface-cache
    5.00 MB — js-main-runtime-temporary-peak
```

```

0 — low-commit-space-events
795.24 MB — private
780.61 MB — resident
1,140.24 MB — vsize
1,805.94 MB — vsize-max-contiguous

```

End of Main Process↑

Content (5616)↓

Explicit Allocations

```

13.43 MB (100.0%) -- explicit
└── 5.72 MB (42.59%) -- heap-overhead
    ├── 3.53 MB (26.30%) — waste
    ├── 2.18 MB (16.26%) — page-cache
    └── 0.00 MB (00.03%) — bookkeeping
    └── 3.52 MB (26.18%) -- js-non-window
        ├── 2.37 MB (17.64%) -- zones
        │   ├── 1.67 MB (12.40%) -- zone(0x3b3a000)
        │   │   ├── 1.51 MB (11.26%) ++ (45 tiny)
        │   │   └── 0.15 MB (01.15%) — unused-gc-things
        │   ├── 0.53 MB (03.91%) -- zone(0x2147400)
        │   │   ├── 0.42 MB (03.16%) -- strings
        │   │   │   ├── 0.34 MB (02.56%) -- normal
        │   │   │   │   ├── 0.21 MB (01.55%) — malloc-heap
        │   │   │   │   └── 0.14 MB (01.01%) — gc-heap
        │   │   │   └── 0.08 MB (00.60%) — short-gc-heap
        │   │   ├── 0.10 MB (00.75%) ++ (3 tiny)
        │   │   ├── 0.17 MB (01.26%) ++ zone(0x3b39c00)
        │   │   ├── 0.01 MB (00.07%) ++ zone(0x4a42c00)/compartment([Expanded Principal])
        │   │   └── 1.08 MB (08.07%) -- runtime
        │   │       ├── 0.32 MB (02.39%) ++ (9 tiny)
        │   │       ├── 0.30 MB (02.22%) — script-data
        │   │       ├── 0.25 MB (01.86%) — atoms-table
        │   │       └── 0.21 MB (01.60%) — temporary
        │   └── 0.06 MB (00.47%) ++ gc-heap
        └── 1.80 MB (13.40%) — heap-unclassified
        └── 0.87 MB (06.46%) — xpti-working-set
        └── 0.31 MB (02.32%) -- window-objects/top(about:blank, id=1)
            ├── 0.24 MB (01.80%) ++ active/window(about:blank)
            └── 0.07 MB (00.52%) ++ js-zone(0x4a42c00)
        └── 0.30 MB (02.21%) ++ (10 tiny)
        └── 0.26 MB (01.90%) -- xpcom
            ├── 0.17 MB (01.23%) — component-manager
            └── 0.09 MB (00.67%) ++ (2 tiny)
        └── 0.23 MB (01.72%) -- layout
            ├── 0.23 MB (01.69%) — style-sheet-cache
            └── 0.00 MB (00.02%) — style-sheet-service
        └── 0.23 MB (01.69%) — atom-tables
        └── 0.21 MB (01.55%) — preferences

```

Other Measurements

```

2.26 MB (100.0%) -- decommitted
└── 2.26 MB (100.0%) — js-non-window/gc-heap/decommitted-arenas

2 (100.0%) -- event-counts
└── 2 (100.0%) — window-objects/top(about:blank, id=1)/active/window(about:blank) / ...

3.69 MB (100.0%) -- js-main-runtime
└── 1.70 MB (46.12%) -- compartments
    ├── 0.82 MB (22.27%) -- shapes
    │   ├── 0.49 MB (13.21%) -- gc-heap
    │   │   ├── 0.27 MB (07.35%) -- tree
    │   │   └── 0.24 MB (06.54%) — global-parented

```



```
  └─ 4 (08.89%) -- user
    ├─ 1 (02.22%) — [Expanded Principal]
    ├─ 1 (02.22%) — about:blank
    ├─ 1 (02.22%) — moz-nullprincipal:{aba52807-adca-4cd0-80f7-41b9624fe673}
    └─ 1 (02.22%) — null-principal

1.74 MB (100.0%) -- js-main-runtime-gc-heap-committed
└─ 1.40 MB (80.64%) -- used
  ├─ 1.33 MB (76.54%) — gc-things
  ├─ 0.06 MB (03.59%) — chunk-admin
  └─ 0.01 MB (00.51%) — arena-admin
0.34 MB (19.36%) -- unused
  ├─ 0.34 MB (19.36%) — gc-things
  └─ 0.00 MB (00.00%) ++ (2 tiny)

0 (100.0%) -- low-memory-events
└─ 0 (100.0%) — physical
└─ 0 (100.0%) — virtual

2 (100.0%) -- message-manager
└─ 2 (100.0%) -- referent/child-process-manager
  ├─ 2 (100.0%) — strong
  └─ 0 (00.00%) ++ weak

178 (100.0%) -- observer-service
└─ 178 (100.0%) -- referent
  ├─ 106 (59.55%) — strong
  └─ 72 (40.45%) -- weak
    ├─ 70 (39.33%) — alive
    └─ 2 (01.12%) — dead

251 (100.0%) -- preference-service
└─ 251 (100.0%) -- referent
  ├─ 222 (88.45%) — strong
  └─ 29 (11.55%) -- weak
    ├─ 29 (11.55%) — alive
    └─ 0 (00.00%) — dead

0.14 MB (100.0%) -- window-objects
└─ 0.13 MB (96.28%) -- layout
  ├─ 0.10 MB (76.48%) — style-sets
  ├─ 0.02 MB (14.02%) — pres-shell
  ├─ 0.00 MB (01.81%) — rule-nodes
  ├─ 0.00 MB (01.52%) — frames
  ├─ 0.00 MB (01.47%) — style-contexts
  └─ 0.00 MB (00.99%) ++ (3 tiny)
0.00 MB (03.46%) -- dom
└─ 0.00 MB (03.07%) — other
  └─ 0.00 MB (00.39%) ++ (5 tiny)
0.00 MB (00.26%) ++ (2 tiny)

0.00 MB — canvas-2d-pixels
0.00 MB — gfx-d2d-surface-cache
4.00 MB — gfx-d2d-surface-vram
0.00 MB — gfx-d2d-vram-draw-target
0.00 MB — gfx-d2d-vram-source-surface
0.00 MB — gfx-surface-image
0.00 MB — gfx-textures
  0 — ghost-windows
7.40 MB — gpu-committed
0.20 MB — gpu-dedicated
1.73 MB — gpu-shared
5.84 MB — heap-allocated
11.56 MB — heap-committed
  97.81% — heap-overhead-ratio
  0 — host-object-urls
0.00 MB — imagelib-surface-cache
0.79 MB — js-main-runtime-temporary-peak
  0 — low-commit-space-events
48.81 MB — private
56.27 MB — resident
223.68 MB — vsize
1,805.94 MB — vsize-max-contiguous
```

End of Content (5616)↑

Troubleshooting information

Click on a non-leaf node in a tree to expand ('+') or collapse ('-') its children.
Hover the pointer over the name of a memory report to see a description of what it measures.