

#17 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0

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#18 0x55980359e837 in Builtins InterpreterEntryTrampoline ??:0:0
   #19 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
    #20 0x55980359e837 in Builtins InterpreterEntryTrampoline ??:0:0
    #21 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
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   #23 0x55980359e837 in Builtins InterpreterEntryTrampoline ??:0:0
    #24 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
    #25 0x55980359c35a in Builtins_JSEntryTrampoline ??:0:0
   #26 0x55980359c137 in Builtins JSEntry ??:0:0
   #27 0x55980178ce60 in v8::internal::GeneratedCode<unsigned long, unsigned long, u
long, unsigned long, unsigned long, unsigned long, long, unsigned long**) ./../../v8/src/execution/simulator.h:142:12
   #28 0x55980178ce60 in v8::internal::(anonymous namespace)::Invoke(v8::internal::(solate*, v8::internal::(anonymous namespace)::InvokeParams const&)
./../../v8/src/execution/execution.cc:368:33
    #29 0x55980178bde0 in v8::internal::Execution::Call(v8::internal::Isolate*, v8::internal::Handle<v8::internal::Object>, v8::internal::Handle<v8::internal::Object>
v8::internal::Handle<v8::internal::Object>*) ./../../v8/src/execution/execution.cc:462:10
   #30 0x5598013d1b52 in v8::Function::Call(v8::Local<v8::Context>, v8::Local<v8::Value>, int, v8::Local<v8::Value>*) ./.././v8/src/api/api.cc:5007:7
    #31 0x55980fe92424 in blink::V8ScriptRunner::CallFunction(v8::Local<v8::Function>, blink::ExecutionContext*, v8::Local<v8::Value>, int, v8::Local<v8::Value>
v8::Isolate*) ./.././third party/blink/renderer/bindings/core/v8/v8 script runner.cc:629:17
   #32 0x5598115b0ef7 in blink::V8Function::Invoke(blink::bindings::V8ValueOrScriptWrappableAdapter, blink::HeapVector<br/>blink::ScriptValue, 0u> const&)
 /gen/third_party/blink/renderer/bindings/core/v8/v8_function.cc:107:8
   \#33\ 0x5598115b194c\ in\ blink::V8Function::InvokeAndReportException(blink::bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::V8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::D8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::Bindings::D8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::HeapVector<br/>blink::Bindings::D8ValueOrScriptWrappableAdapter,\ blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>blink::HeapVector<br/>
const&) ./gen/third party/blink/renderer/bindings/core/v8/v8 function.cc:251:7
   \#34.0x5598115af5ae \ in \ blink:: Scheduled Action:: Execute (blink:: Execution Context*). /.. /. / third_party/blink/renderer/bindings/core/v8/scheduled_action.cc: 130:16 / third_party/blink/renderer/bind_action.cc: 130:16 / third_party/blink/renderer/bind_action.cc:
    #35 0x5598115ad783 in blink::DOMTimer::Fired() /../../third_party/blink/renderer/core/frame/dom_timer.cc:209:11
    #36 0x55980fda330a in blink::TimerBase::RunInternal() /../../third_party/blink/renderer/platform/timer.cc:152:3
    #37 0x559804993cc5 in base::OnceCallback<void ()>::Run() && ./.././base/callback.h:100:12
   #38 0x559804993cc5 in base::TaskAnnotator::RunTask(char const*, base::PendingTask*) /../../base/task/common/task_annotator.cc:163:33
   #39 0x5598049cbb9f in base::sequence manager::internal::ThreadControllerWithMessagePumpImpI::DoWorkImpI(base::sequence manager::LazyNow*)
/../../base/task/sequence_manager/thread_controller_with_message_pump_impl.cc:332:23
   {\tt \#40~0x5598049cb41f~in~base::sequence\_manager::internal::ThreadControllerWithMessagePumpImpl::DoWork())}
./../.base/task/sequence manager/thread controller with message pump impl.cc:252:36
    #41 0x5598048c2f6d in base::MessagePumpDefault::Run(base::MessagePump::Delegate*) ./../../base/message_loop/message_pump_default.cc:39:55
    #42 0x5598049ccf00 in base::sequence_manager::internal::ThreadControllerWithMessagePumpImpl::Run(bool, base::TimeDelta)
./.././base/task/sequence manager/thread controller with message pump impl.cc:446:12
   #43 0x559804940c9a in base::RunLoop::Run() ./../../base/run_loop.cc:124:14
    #44 0x5598175c551c in content::RendererMain(content::MainFunctionParams const&) ./../content/renderer/renderer_main.cc:256:16
   #45 0x5598046ca22e in content::RunZygote(content::ContentMainDelegate*) J.J.J.content/app/content_main_runner_impl.cc:485:14 #46 0x5598046cd6d8 in content::ContentMainRunnerImpl::Run(bool) J.J.J.content/app/content_main_runner_impl.cc:860:10
    #47 0x5598046c70a1 in content::RunContentProcess(content::ContentMainParams const&, content::ContentMainRunner*) ./../../content/app/content_main.cc:373:36
   #48 0x5598046c76cc in content::ContentMain(content::ContentMainParams const&) ./../../content/app/content_main.cc:399:10
   #49 0x5597fa42d165 in ChromeMain ./../../chrome/app/chrome main.cc:130:12
    #50 0x7f3a858af0b2 in __libc_start_main /build/glibc-ZN95T4/glibc-2.31/csu/./csu/libc-start.c:308:16
0x60200008d016 is located 0 bytes to the right of 6-byte region [0x60200008d010,0x60200008d016]
allocated by thread T0 (chrome) here
    \#0.0x5597 fa 40101 d~in~malloc~/b/s/w/ir/cache/builder/src/third\_party/llvm/compiler-rt/lib/asan/asan\_malloc\_linux.cpp:145:3
    #1 0x559809c89bd8 in base::PartitionRoot<true>::AllocFlags(int, unsigned long, char const*) ./.J./base/allocator/partition allocator/partition allocator/partition allocator/partition allocator/partition allocator/partition
   #2 0x559809c89bd8 in base::PartitionRoot<true>::Alloc(unsigned long, char const*) ./.././base/allocator/partition_allocator/partition_alloc.h:1162:10
   #3 0x559809c89bd8 in WTF::Partitions::BufferMalloc(unsigned long, char const*) /../../third_party/blink/renderer/platform/wtf/allocator/partitions.cc:226:29 #4 0x559800dc3631 in unsigned short* WTF::PartitionAllocator::AllocateVectorBacking<unsigned short> (unsigned long)
./../../third_party/blink/renderer/platform/wtf/allocator/partition_allocator.h:38:9
   #5 0x559800dc3631 in WTF::VectorBufferBase<unsigned short, WTF::PartitionAllocator>::AllocateBufferNoBarrier(unsigned int)
./../third_party/blink/renderer/platform/wtf/vector.h:490:9
   #6 0x559800dc3631 in WTF::VectorBufferBase<unsigned short, WTF::PartitionAllocator>::AllocateTemporaryBuffer(unsigned int)
./../third_party/blink/renderer/platform/wtf/vector.h:550:12
   #7 0x559800dc3631 in WTF::Vector<unsigned short, Ou, WTF::PartitionAllocator>::ReallocateBuffer(unsigned int)
/.././third party/blink/renderer/platform/wtf/vector.h:2207:7
   #8 0x559803948376 in WTF::Vector<unsigned short, 0u, WTF::PartitionAllocator>::ReserveCapacity(unsigned int)
./.././third_party/blink/renderer/platform/wtf/vector.h:1808:3
   #9 0x559803948376 in WTF::Vector<unsigned short. 0u. WTF::PartitionAllocator>::ExpandCapacity(unsigned int)
./../.hthird_party/blink/renderer/platform/wtf/vector.h:1721:3
   #10 0x559803948376 in WTF::Vector<unsigned short, 0u, WTF::PartitionAllocator>::ExpandCapacity(unsigned int, unsigned short*)
./../third party/blink/renderer/platform/wtf/vector.h:1730:5
   #11 0x559803948376 in WTF::Vector<unsigned short, 0u, WTF::PartitionAllocator>::ExpandCapacity(unsigned int, unsigned short const*)
./../third_party/blink/renderer/platform/wtf/vector.h:1441:12
   #12 0x559803948376 in void WTF::Vector<unsigned short, 0u, WTF::PartitionAllocator>::Append<unsigned short>(unsigned short const*, unsigned int)
./../third_party/blink/renderer/platform/wtf/vector.h:1900:12
   #13 0x5598111bb86d in blink::FindBuffer::AddTextToBuffer(blink::Text const&, blink::LayoutBlockFlow&,
blink::EphemeralRangeTemplate<blink::EditingAlgorithm<bli>blink::FlatTreeTraversal> > const&) ./.././third_party/blink/renderer/core/editing/finder/find_buffer.cc:422:13
   #14 0x5598111b631f in blink::FindBuffer::CollectTextUntilBlockBoundary(blink::EphemeralRangeTemplate<br/>blink::EditingAlgorithm<br/>blink::FlatTreeTraversal> > const&)
/../../third_party/blink/renderer/core/editing/finder/find_buffer.cc:321:7
   #15 0x5598111b72c1 in blink::FindBuffer::FindBuffer(blink::EphemeralRangeTemplate<br/>blink::EditingAlgorithm<br/>blink::FlatTreeTraversal> > const&)
./../../third_party/blink/renderer/core/editing/finder/find_buffer.cc:117:3
   #16 0x5598111b72c1 in blink::FindBuffer::FindMatchInRange(blink::EphemeralRangeTemplate<bli>blink::EditingAlgorithm<br/>blink::FlatTreeTraversal> > const&, WTF::String,
unsigned int) ./../../third_party/blink/renderer/core/editing/finder/find_buffer.cc:168:16
   #17 0x5598110d8c04 in blink::FindStringBetweenPositions(WTF::String const&, blink::EphemeralRangeTemplate<br/>blink::EditingAlgorithm<br/>blink::FlatTreeTraversal>>
const&, unsigned int) ./../../third_party/blink/renderer/core/editing/editor.cc:780:9
#18 0x5598110d7fba in blink::Editor::FindRangeOfString(blink::Document&, WTF::String const&, blink::EphemeralRangeTemplate<blink::EditingAlgorithm<blink::FilatTreeTraversal> > const&, unsigned int, bool*) /./../third_party/blink/renderer/core/editing/editor.cc:848:7
   #19 0x5598110d792b in blink::Editor::FindString(blink::LocalFrame&, WTF::String const&, unsigned int) ./../.third_party/blink/renderer/core/editing/editor.cc:751:31
   #20 0x559816b00588 in blink::(anonymous namespace)::FindOperationCallback(v8::FunctionCallbackInfo<v8::Value> const&)
/gen/third_party/blink/renderer/bindings/modules/v8/v8_window.cc:17966:41
    #21 0x5598014f9f6d in v8::internal::FunctionCallbackArguments::Call(v8::internal::CallHandlerInfo) ./../../v8/src/api/api-arguments-inl.h:158:3
    #22 0x5598014f7a35 in v8::internal::MaybeHandle<v8::internal::Object> v8::internal::(anonymous namespace)::HandleApiCallHelper<false>(v8::internal::lsolate*,
v8::internal::Handle<v8::internal::HeapObject>, v8::internal::Handle<v8::internal::Handle<v8::internal::Handle<v8::internal::Handle<v8::internal::Handle<v8::internal::Handle<v8::internal::Handle<v8::internal::Handle<v8::internal::Handle
v8::internal::Handle<v8::internal::Object>, v8::internal::BuiltinArguments) ./../../v8/src/builtins/builtins-api.cc:111:36
   #23 0x5598014f559e in v8::internal::Builtin_Impl_HandleApiCall(v8::internal::BuiltinArguments, v8::internal::Isolate*) /./../v8/src/builtins-api.cc:141:5 #24 0x55980360c237 in Builtins_CEntry_Return1_DontSaveFPRegs_ArgvOnStack_BuiltinExit ??:0:0
   #25 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
    #26 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
   #27 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
   #28 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
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    #31 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
    #32 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
   #33 0x55980359e837 in Builtins_InterpreterEntryTrampoline ??:0:0
    #34 0x55980359c35a in Builtins_JSEntryTrampoline ??:0:0
    #35 0x55980359c137 in Builtins_JSEntry ??:0:0
   #36 0x55980178ce60 in v8::internal::GeneratedCode<unsigned long, unsigned long, u
long, unsigned long, unsigned long, unsigned long, long, unsigned long**) ./.././v8/src/execution/simulator.h:142:12
    #37 0x55980178ce60 in v8::internal::(anonymous namespace)::Invoke(v8::internal::lsolate*, v8::internal::(anonymous namespace)::InvokeParams const&)
```

J../../v8/src/execution/execution.cc:368:33

#38 0x55980178bde0 in v8::internal::Execution::Call(v8::internal::Solate*, v8::internal::Handle<v8::internal::Object>, v8::internal::Handle<v8::internal::Object>, int, v8::internal::Handle<v8::internal::Object>*) ./.././v8/src/execution.execution.cc:462:10 #39 0x5598013d1b52 in v8::Function::Call(v8::Local<v8::Value>, int, v8::Local<v8::Value>*) ./../v8/src/api/api.cc:5007:7

#40 0x55980fe92424 in blink::V8ScriptRunner::CallFunction(v8::Local<v8::Function>, blink::ExecutionContext*, v8::Local<v8::Value>, int, v8::Local<v8::Value>*,

v8::Isolate*) ./../../third_party/blink/renderer/bindings/core/v8/v8_script_runner.cc:629:17

SUMMARY: AddressSanitizer: heap-buffer-overflow (/home/dev/Downloads/chromium_src/src/out/asan/chrome+0x20917d5d)

Shadow bytes around the buggy address:

0x0c04800099b0: fa fa 05 fa fa fa 00 06 fa fa fd fa fa fa fd fa

0x0c04800099c0: fa fa fd fa fa fa fd fa fa fa fd fa fa fa fd fa fa fa fa fa 0x0c04800099d0: fa fa 01 fa fa fa 06 fa fa fa 06 fa fa fa fa fd fa

0x0c04800099e0: fa fa fd fa fa fd fd fa fa fd fd fa fa fd fd fa

0x0c04800099f0: fa fa fd fd fa fa fd fa fa fa 00 00 fa fa fd fd =>0x0c0480009a00: fa fa[06]fa fa fa

Shadow byte legend (one shadow byte represents 8 application bytes):

Addressable: 00

Partially addressable: 01 02 03 04 05 06 07

Heap left redzone: fa Freed heap region: fd Stack left redzone: f1 Stack mid redzone: Stack right redzone: f3 Stack after return: f5 Stack use after scope: f8 Global redzone: Global init order: f6 Poisoned by user: f7 Container overflow: fc Array cookie: ac Intra object redzone: bb ASan internal: Left alloca redzone: ca Right alloca redzone: cb

heap-buffer-overflow.html

279 bytes View Download

Comment 1 by ClusterFuzz on Thu, Oct 15, 2020, 2:09 PM EDT Project Member

ClusterFuzz is analyzing your testcase. Developers can follow the progress at https://clusterfuzz.com/testcase?key=5767959052353536.

nent 2 by palmer@chromium.org on Thu, Oct 15, 2020, 2:10 PM EDT Project Member

Status: Assigned (was: Unconfirmed)

Owner: rakina@chromium.org

Cc: yosin@chromium.org xiaoc...@chromium.org rakina@chromium.org

Labels: Security_Impact-Stable OS-Android OS-Chrome OS-Fuchsia OS-Linux OS-Mac OS-Windows Pri-1

Components: Blink>Editing

rakina, it looks like you last worked on the code at the top of the stack. Could you please take a look? Thank you!

Comment 3 by ClusterFuzz on Fri, Oct 16, 2020. 1:09 AM EDT Project Memi

Labels: FoundIn-83 FoundIn-84 Security_Severity-Medium

Detailed Report: https://clusterfuzz.com/testcase?kev=5767959052353536

Job Type: linux_asan_chrome_mp Platform ld: linux

Crash Type: Heap-buffer-overflow READ 2 Crash Address: 0x60900023fff4 Crash State: blink::TextSearcherICU::ShouldSkipCurrentMatch blink::TextSearcherICU::NextMatchResult

blink::FindBuffer::FindMatchInRange Sanitizer: address (ASAN)

Recommended Security Severity: Medium

Regressed: https://clusterfuzz.com/revisions?job=linux_asan_chrome_mp&range=628682:628683

Reproducer Testcase: https://clusterfuzz.com/download?testcase_id=5767959052353536

The reproduce tool requires a ClusterFuzz source checkout. To prepare one, run:

git clone https://github.com/google/clusterfuzz && cd clusterfuzz && git checkout tags/reproduce-tool-stable

To reproduce this issue, run:

/reproduce.sh -t https://clusterfuzz.com/testcase-detail/5767959052353536 -b /path/to/build

Please use the GN arguments provided in this report when building the binary. If you have any feedback on reproducing test cases, let us know at https://forms.gle/Yh3qCYFveHj6E5jz5 so we can improve.

A recommended severity was added to this bug. Please change the severity if it is inaccurate.

Comment 4 by rakina@chromium.org on Fri, Oct 16, 2020, 1:29 AM EDT Project Member

Owner: vosin@chromium.org

Hmm, there might be some unicode-related subtleties here. We overflowed trying to get the text with U16 GET:

core/editing/iterators/text_searcher_icu.cc;l=109;drc=fd343439bf9582a4f3c2127689 romium.org/chromium/chromium/src/+/master:third_party/blin 3a9c081e29929c. I'm re-assigning to yosin@ who should know more than I do on this.

Comment 5 by yosin@chromium.org on Fri, Oct 16, 2020, 3:06 AM EDT Project Member

Status: Started (was: Assigned)

In review: http://crrev.com/c/2476878

Comment 6 by bugdroid on Fri, Oct 16, 2020, 4:43 AM EDT Project Member

The following revision refers to this bug:

https://chromium.googlesource.com/chromium/src.git/+/93a75877b2db7f00e94f9c8619a26e6777ce3f11

commit 93a75877b2db7f00e94f9c8619a26e6777ce3f11 Author: Yoshifumi Inoue <yosin@chromium.org>

Date: Fri Oct 16 08:41:24 2020

[FindInPage] Make IsWholeWordMatch() to use U16_GET() with valid parameter

This patch chagnes |IsWholeWordMatch()| to use |U16_GET()| with valid parameters to avoid reading out of bounds data.

In case of search "uDB00" (broken surrogate pair) in "u0022\uDB00", we call [U16_GET(text, start, index, length, u32)] with start=1, index=1, length=1, where text = "u0022\uDB800", then |U16_GET()| reads text[2] for surrogate tail.

After this patch, we call |U16_GET()| with length=2==end of match, to make |U16_GET()| not to read text[2].

Buo: 1139977

Change-Id: I3407f795ab181edc7d0f1d1f0a0d380974cd34eb

Reviewed-on: https://chromium-review.googlesource.com/c/chromium/src/+/2476878

Auto-Submit: Yoshifumi Inoue <yosin@chromium.org>
Reviewed-by: Rakina Zata Amni <rakina@chromium.org>
Commit-Queue: Rakina Zata Amni <rakina@chromium.org>
Commit-Queue: Yoshifumi Inoue <yosin@chromium.org>
Cr-Commit-Position: refs/heads/master@#817847}

[modify] https://crrev.com/93a75877b2db7f00e94f9c8619a26e6777ce3f11/third_party/blink/renderer/core/editing/iterators/text_searcher_icu.cc [modify] https://crrev.com/93a75877b2db7f00e94f9c8619a26e6777ce3f11/third_party/blink/renderer/core/editing/iterators/text_searcher_icu_test.cc

Comment 7 by sheriffbot on Fri, Oct 16, 2020, 2:13 PM EDT Project Member

Labels: M-87 Target-87

Setting milestone and target because of Security_Impact=Stable and medium severity.

For more details visit https://www.chromium.org/issue-tracking/autotriage - Your friendly Sheriffbot

Comment 8 by ClusterFuzz on Sun, Oct 18, 2020, 9:22 PM EDT Project Member

Detailed Report: https://clusterfuzz.com/testcase?key=5767959052353536

Fuzzer: None Job Type: linux_asan_chrome_mp

Platform Id: linux

Crash Type: Heap-buffer-overflow READ 2

Crash Address: 0x60900023fff4

Crash State:
blink::TextSearcherICU::ShouldSkipCurrentMatch
blink::TextSearcherICU::NextMatchResult
blink::FindBuffer::FindMatchInRange

Sanitizer: address (ASAN)

Recommended Security Severity: Medium

Regressed: https://clusterfuzz.com/revisions?iob=linux_asan_chrome_mp&range=628682:628683

Reproducer Testcase: https://clusterfuzz.com/download?testcase_id=5767959052353536

The reproduce tool requires a ClusterFuzz source checkout. To prepare one, run:

 $git\ clone\ https://github.com/google/clusterfuzz\ \&\&\ cd\ clusterfuzz\ \&\&\ git\ checkout\ tags/reproduce-tool-stable$

To reproduce this issue, run:

 $/ reproduce.sh-t\ https://clusterfuzz.com/testcase-detail/5767959052353536-b\ /path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/5767959052353536-b/path/to/buildetail/57679590523535-b/path/to/buildetail/57679590523535-b/path/to/buildetail/57679590523535-b/path/to/buildetail/576795905-b/path/to/buildetail/576795905-b/path/to/buildetail/576795905-b/path/to/buildetail/576795905-b/path/to/buildetail/576795905-b/path/to/buildetail/576795905-b/path/to/buildetail/576795905-b/path/to/buildetail/576795905-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/576795-b/path/to/buildetail/57679-b/path/to/b/path/to/buildetail/57679-b/path/to/b/path/to/buildetail/57679-b/$

Please use the GN arguments provided in this report when building the binary. If you have any feedback on reproducing test cases, let us know at https://forms.gle/Yh3qCYFveHj6E5jz5 so we can improve.

Comment 9 by ClusterFuzz on Sun, Oct 18, 2020, 9:47 PM EDT Project Member

Detailed Report: https://clusterfuzz.com/testcase?key=5767959052353536

Fuzzer: None
Job Type: linux_asan_chrome_mp
Platform ld: linux

Crash Type: Heap-buffer-overflow READ 2
Crash Address: 0x60900023fff4
Crash State:
blink::TextSearcherICU::ShouldSkipCurrentMatch
blink::TextSearcherICU::NextMatchResult
blink::FindBuffer::FindMatchInRange

Sanitizer: address (ASAN)

Recommended Security Severity: Medium

Regressed: https://clusterfuzz.com/revisions?job=linux_asan_chrome_mp&range=628682:628683

Reproducer Testcase: https://clusterfuzz.com/download?testcase_id=5767959052353536

The reproduce tool requires a ClusterFuzz source checkout. To prepare one, run:

git clone https://github.com/google/clusterfuzz && cd clusterfuzz && git checkout tags/reproduce-tool-stable

To reproduce this issue, run:

/reproduce.sh -t https://clusterfuzz.com/testcase-detail/5767959052353536 -b /path/to/build

Please use the GN arguments provided in this report when building the binary. If you have any feedback on reproducing test cases, let us know at https://forms.gle/Yh3qCYFveHj6E5jz5 so we can improve.

Comment 10 by ClusterFuzz on Mon, Oct 19, 2020, 3:42 AM EDT Project Member

Detailed Report: https://clusterfuzz.com/testcase?key=5767959052353536

Fuzzer: None

Job Type: linux_asan_chrome_mp

Platform Id: linux

Crash Type: Heap-buffer-overflow READ 2 Crash Address: 0x60900023fff4

Crash State:

blink::TextSearcherICU::ShouldSkipCurrentMatch

blink:: Text Searcher ICU:: Next Match Resultblink::FindBuffer::FindMatchInRange

Sanitizer: address (ASAN)

Recommended Security Severity: Medium

Regressed: https://clusterfuzz.com/revisions?job=linux_asan_chrome_mp&range=628682:628683

Reproducer Testcase: https://clusterfuzz.com/download?testcase_id=5767959052353536

The reproduce tool requires a ClusterFuzz source checkout. To prepare one, run:

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./reproduce.sh -t https://clusterfuzz.com/testcase-detail/5767959052353536 -b /path/to/build

Please use the GN arguments provided in this report when building the binary. If you have any feedback on reproducing test cases, let us know at https://forms.gle/Yh3qCYFveHj6E5jz5 so we can improve.

Comment 11 by ClusterFuzz on Mon, Oct 19, 2020, 8:58 PM EDT Project Member

Detailed Report: https://clusterfuzz.com/testcase?key=5767959052353536

Fuzzer: None

Job Type: linux_asan_chrome_mp

Platform Id: linux

Crash Type: Heap-buffer-overflow READ 2

Crash Address: 0x60900023fff4

Crash State:

blink::TextSearcherICU::ShouldSkipCurrentMatch

blink::TextSearcherICU::NextMatchResult blink::FindBuffer::FindMatchInRange

Sanitizer: address (ASAN)

Recommended Security Severity: Medium

Regressed: https://clusterfuzz.com/revisions?job=linux_asan_chrome_mp&range=628682:628683

Reproducer Testcase: https://clusterfuzz.com/download?testcase_id=5767959052353536

The reproduce tool requires a ClusterFuzz source checkout. To prepare one, run:

git clone https://github.com/google/clusterfuzz && cd clusterfuzz && git checkout tags/reproduce-tool-stable

To reproduce this issue, run:

/reproduce.sh -t https://clusterfuzz.com/testcase-detail/5767959052353536 -b /path/to/build

Please use the GN arguments provided in this report when building the binary. If you have any feedback on reproducing test cases, let us know at https://forms.gle/Yh3qCYFveHj6E5jz5 so we can improve.

Comment 12 by yosin@chromium.org on Mon, Oct 19, 2020, 9:06 PM EDT Project Member

Status: Fixed (was: Started)

Comment 13 by ClusterFuzz on Mon, Oct 19, 2020, 9:08 PM EDT Project Member

Detailed Report: https://clusterfuzz.com/testcase?key=5767959052353536

Fuzzer: None

Job Type: linux_asan_chrome_mp

Platform Id: linux

Crash Type: Heap-buffer-overflow READ 2 Crash Address: 0x60900023fff4 Crash State:

blink::TextSearcherICU::ShouldSkipCurrentMatch blink::TextSearcherICU::NextMatchResult

blink::FindBuffer::FindMatchInRange

Sanitizer: address (ASAN)

Recommended Security Severity: Medium

Regressed: https://clusterfuzz.com/revisions?job=linux_asan_chrome_mp&range=628682:628683

Reproducer Testcase: https://clusterfuzz.com/download?testcase_id=5767959052353536

The reproduce tool requires a ClusterFuzz source checkout. To prepare one, run:

 $git\ clone\ https://github.com/google/clusterfuzz\ \&\&\ cd\ clusterfuzz\ \&\&\ git\ checkout\ tags/reproduce-tool-stable$

To reproduce this issue, run

/reproduce.sh -t https://clusterfuzz.com/testcase-detail/5767959052353536 -b /path/to/build

Please use the GN arguments provided in this report when building the binary. If you have any feedback on reproducing test cases, let us know at https://forms.gle/Yh3qCYFveHj6E5jz5 so we can improve

Comment 14 by sheriffbot on Tue, Oct 20, 2020, 1:55 PM EDT Project Member

Labels: -Restrict-View-SecurityTeam Restrict-View-SecurityNotify

Comment 15 by ClusterFuzz on Tue, Oct 20, 2020, 10:17 PM EDT Project Member

Detailed Report: https://clusterfuzz.com/testcase?key=5767959052353536

Job Type: linux_asan_chrome_mp

Platform Id: linux

Crash Type: Heap-buffer-overflow READ 2 Crash Address: 0x60900023fff4 Crash State:

blink::TextSearcherICU::ShouldSkipCurrentMatch blink::TextSearcherICU::NextMatchResult blink::FindBuffer::FindMatchInRange

Sanitizer: address (ASAN)

Recommended Security Severity: Medium

Regressed: https://clusterfuzz.com/revisions?job=linux_asan_chrome_mp&range=628682:628683

Reproducer Testcase: https://clusterfuzz.com/download?testcase_id=5767959052353536

The reproduce tool requires a ClusterFuzz source checkout. To prepare one, run:

git clone https://github.com/google/clusterfuzz && cd clusterfuzz && git checkout tags/reproduce-tool-stable

To reproduce this issue, run:

/reproduce.sh -t https://clusterfuzz.com/testcase-detail/5767959052353536 -b /path/to/build

Please use the GN arguments provided in this report when building the binary. If you have any feedback on reproducing test cases, let us know at https://forms.gle/Yh3qCYFveHj6E5jz5 so we can improve

Comment 16 by ClusterFuzz on Wed, Oct 21, 2020, 3:47 PM EDT Project Member

Status: Verified (was: Fixed)

Labels: ClusterFuzz-Verified

ClusterFuzz testcase 5767959052353536 is verified as fixed in https://clusterfuzz.com/revisions?job=linux_asan_chrome_mp&range=817421:819253

If this is incorrect, please add the ClusterFuzz-Wrong label and re-open the issue.

Comment 17 by ClusterFuzz on Wed, Oct 21, 2020, 9:06 PM EDT Project Member

Detailed Report: https://clusterfuzz.com/testcase?key=5767959052353536

Fuzzer: None

Job Type: linux_asan_chrome_mp

Platform Id: linux

Crash Type: Heap-buffer-overflow READ 2 Crash Address: 0x60900023fff4 Crash State: blink::TextSearcherICU::ShouldSkipCurrentMatch blink::TextSearcherICU::NextMatchResult blink::FindBuffer::FindMatchInRange

Sanitizer: address (ASAN)

Recommended Security Severity: Medium

Regressed: https://clusterfuzz.com/revisions?iob=linux_asan_chrome_mp&range=628682:628683

Reproducer Testcase: https://clusterfuzz.com/download?testcase_id=5767959052353536

The reproduce tool requires a ClusterFuzz source checkout. To prepare one, run:

git clone https://github.com/google/clusterfuzz && cd clusterfuzz && git checkout tags/reproduce-tool-stable

To reproduce this issue, run:

/reproduce.sh -t https://clusterfuzz.com/testcase-detail/5767959052353536 -b /path/to/build

Please use the GN arguments provided in this report when building the binary. If you have any feedback on reproducing test cases, let us know at https://forms.gle/Yh3qCYFveHj6E5jz5 so we can improve.

Comment 18 by adetaylor@google.com on Mon, Oct 26, 2020, 12:04 PM EDT Project Member

Labels: reward-topanel

Comment 19 by adetaylor@google.com on Mon, Oct 26, 2020, 12:21 PM EDT Project Member

Cc: mbarb...@chromium.org

mbarbella@ is there any way to request a finer grained fix range after the recent ASAN outage (see the huge range in #c16)? There are several bugs which are going to be time-consuming to discuss at the VRP as we don't know which CL fixed them, so I can't check for duplicates

Comment 20 by sheriffbot on Mon, Oct 26, 2020, 2:21 PM EDT Project N

Labels: Merge-Request-87

Requesting merge to beta M87 because latest trunk commit (817847) appears to be after beta branch point (812852).

For more details visit https://www.chromium.org/issue-tracking/autotriage - Your friendly Sheriffbot

Comment 21 by sheriffbot on Mon, Oct 26, 2020, 2:24 PM EDT Project Member

Labels: -Merge-Request-87 Merge-Review-87 Hotlist-Merge-Review

This bug requires manual review: M87's targeted beta branch promotion date has already passed, so this requires manual review Before a merge request will be considered, the following information is required to be added to this bug:

1. Does your merge fit within the Merge Decision Guidelines?

- $\textbf{Chrome}: \ https://chromium.googlesource.com/chromium/src.git/+/master/docs/process/merge_request.md\#when-to-request-a-mergered and the state of the state$
- Chrome OS: https://goto.google.com/cros-release-branch-merge-guidelines
- 2. Links to the CLs you are requesting to merge.
- Has the change landed and been verified on ToT?
- 4. Does this change need to be merged into other active release branches (M-1, M+1)?
- 5. Why are these changes required in this milestone after branch?
- 6. Is this a new feature?
- 7. If it is a new feature, is it behind a flag using finch?

Chrome OS Only:

8. Was the change reviewed and approved by the Eng Prod Representative? See Eng Prod ownership by component: http://go/cros-engprodcomponents

Please contact the milestone owner if you have questions.

Owners: benmason@(Android), bindusuvarna @(iOS), cindyb@(ChromeOS), lakpamarthy@(Desktop)

For more details visit https://www.chromium.org/issue-tracking/autotriage - Your friendly Sheriffbot

Comment 22 by mbarb...@chromium.org on Mon, Oct 26, 2020, 3:51 PM EDT Project Member

Re #c19: I can't think of anything simple that would work well. On the off chance that any of the bugs can be reproduced on jobs that didn't break, re-uploading to those is the only thing I can think of that would help, but I don't expect that to be likely.

Comment 23 by adetaylor@google.com on Tue, Oct 27, 2020, 6:13 PM EDT Project Member

Labels: -Merge-Review-87 Merge-Rejected-87

Thanks mbarbella@. yosin@, can you help identify how this was fixed?

Rejecting merge to M87 because it's not clear what we should merge.

nent 24 by adetaylor@google.com on Wed, Oct 28, 2020, 6:55 PM EDT Project Member

Labels: -reward-topanel reward-unpaid reward-2000

Please do NOT publicly disclose details until a fix has been released to all our users. Early public disclosure may cancel the provisional reward. Also, please be considerate about disclosure when the bug affects a core library that may be used by other products. Please do NOT share this information with third parties who are not directly involved in fixing the bug. Doing so may cancel the provisional reward. Please be honest if you have already disclosed anything publicly or to third parties. Lastly, we understand that some of you are not interested in money. We offer the option to donate your reward to an eligible charity. If you prefer this option, let us know and we will also match your donation - subject to our discretion. Any rewards that are unclaimed after 12 months will be donated to a charity of our choosing.

Please contact security-vrp@chromium.org with any questions

Comment 25 by adetaylor@google.com on Wed, Oct 28, 2020, 7:12 PM EDT Project Member

Congratulations! The VRP panel has awarded \$2000 for this bug.

Comment 26 by adetaylor@google.com on Thu, Oct 29, 2020, 10:27 AM EDT Project Member

Lahels: -reward-unnaid reward-inprocess

Comment 27 by adetaylor@google.com on Wed, Jan 13, 2021, 5:48 PM EST Project Member

Labels: Release-0-M88

Comment 28 by amyressler@google.com on Tue, Jan 19, 2021, 1:56 PM EST Project Member

Labels: CVE-2021-21128 CVE description-missing

Comment 29 by janag...@google.com on Wed, Jan 20, 2021, 7:31 AM EST Project Member

Cc: ianag...@google.com

Labels: LTS-Security-86 Merge-Request-86-LTS

Comment 30 by gianluca@google.com on Wed, Jan 20, 2021, 12:01 PM EST Project Member

Labels: Merge-Approved-86-LTS

Comment 31 by sheriffbot on Wed, Jan 20, 2021, 12:22 PM EST

Project Member

Labels: -M-87 Target-88 M-88

Comment 32 by bugdroid on Fri, Jan 22, 2021, 5:09 AM EST Project Member

Labels: merge-merged-4240 merge-merged-86

The following revision refers to this bug:

um/src/+/e75cf1792dba812a4e43a928e275f6d83df8b961 mium.aooalesou

commit e75cf1792dba812a4e43a928e275f6d83df8b961

Author: Yoshifumi Inoue <yosin@chromium.org>

Date: Fri Jan 22 10:09:22 2021

[FindInPage] Make IsWholeWordMatch() to use U16_GET() with valid parameter

This patch chagnes |IsWholeWordMatch()| to use |U16_GET()| with valid parameters to avoid reading out of bounds data

In case of search "\uDB00" (broken surrogate pair) in "\u0022\uDB00", we call $|U16_GET(text, start, index, length, u32)|$ with start=1, index=1, length=1, where text = "\u0022\DB800", then |U16_GET()| reads text[2] for surrogate tail.

After this patch, we call |U16_GET()| with length=2==end of match, to make |U16_GET()| not to read text[2].

(cherry picked from commit 93a75877b2db7f00e94f9c8619a26e6777ce3f11)

Change-Id: I3407f795ab181edc7d0f1d1f0a0d380974cd34eb

Reviewed-on: https://chromium-review.googlesource.com/c/chromium/src/+/2476878 Auto-Submit: Yoshifumi Inoue <vosin@chromium.org>

Reviewed-by: Rakina Zata Amni <rakina@chromium.org>

Commit-Queue: Rakina Zata Amni <a kina@chromium.org>Commit-Queue: Yoshifumi Inoue <yosin@chromium.org>Cr-Original-Commit-Position: refs/heads/master@{#817847}

Reviewed-on: https://chromium-review.googlesource.com/c/chromium/src/+/2640057

Reviewed-by: Victor-Gabriel Savu <vsavu@google.com> Reviewed-by: Yoshifumi Inoue <vosin@chromium.org> Commit-Queue. Jana Grill (sjanagrill@chromium.org> Cr-Commit-Position: refs/branch-heads/4240@{#1527}

 $Cr-Branched-From: f297677702651916bbf65e59c0d4bbd4ce57d1ee-refs/heads/master @ \{\#800218\} from the control of the control of$

Comment 33 by janag...@google.com on Fri, Jan 22, 2021, 5:20 AM EST Project Member

Labels: -Merge-Request-86-LTS -Merge-Approved-86-LTS LTC-Merged-86

Comment 34 by sheriffbot on Tue, Jan 26, 2021, 1:53 PM EST Project Member

Labels: -Restrict-View-SecurityNotify allpublic

This bug has been closed for more than 14 weeks. Removing security view restrictions.

For more details visit https://www.chromium.org/issue-tracking/autotriage - Your friendly Sheriffbot

Comment 35 by amyressler@google.com on Tue, Feb 9, 2021, 9:27 AM EST Project Member

Labels: -CVE_description-missing CVE_description-submitted

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