Talos Vulnerability Report

TALOS-2021-1238

Webkit WebCore::GraphicsContext use-after-free vulnerability

JUNE 2, 2021

CVE NUMBER

CVE-2021-21779

Summary

A use-after-free vulnerability exists in the way Webkit's GraphicsContext handles certain events in WebKitGTK 2.30.4. A specially crafted web page can lead to a potential information leak and further memory corruption. A victim must be tricked into visiting a malicious web page to trigger this vulnerability.

Tested Versions

Webkit WebKitGTK 2.30.4

Product URLs

https://webkit.org/

CVSSv3 Score

6.8 - CVSS:3.0/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:L/A:L

CWE

CWE-416 - Use After Free

Details

WebKit is an open-source web content engine for browsers and other applications.

The vulnerability lies in how WebKit handles function fillText. From documentation: The CanvasRenderingContext2D method fillText() draws a text string at the specified coordinates, filling the string's characters with the current fillStyle. An optional parameter allows specifying a maximum width for the rendered text The CanvasRenderingContext2D is created from HTMLCanvasElement by calling function getContext('2d').

Canvas element itself is HTMLCanvasElement and posesses attributes called width and height. This vulnerability is due to height attribute.

```
1: RETURN_IF_EXCEPTION(throwScope, encodedJSValue());
2: if (UNLIKELY(impl.callTracingActive()))
3: CallTracer::recordCanvasAction(impl, "fillText"_s, { text, x, y, maxWidth });
4: throwScope.release();
5: impl.fillText(WTFMove(text), WTFMove(x), WTFMove(y), WTFMove(maxWidth));
6: return JSValue::encode(jsUndefined());
```

At line 5 above, Webkit takes text as the 1st argument to fillText function, while 2nd and 3rd arguments are intigers 18428 and 20441 respectively.

 $Then \ code \ execution \ proceeds \ to \ method \ Canvas Rendering Context 2D:: draw Text Internal: the substitution of the proceeds \ to \ method \ Canvas Rendering Context 2D:: draw Text Internal: the substitution of the proceeds \ to \ method \ Canvas Rendering Context 2D:: draw Text Internal: the substitution of the proceeds \ to \ method \ Canvas Rendering Context 2D:: draw Text Internal: the substitution of the proceeds \ to \ method \ Canvas Rendering Context 2D:: draw Text Internal: the substitution of the proceeds \ to \ method \ Canvas Rendering Context 2D:: draw Text Internal: the substitution of the proceeds \ to \ method \ Canvas Rendering Context 2D:: draw Text Internal: the substitution of the proceeds \ to \ method \ Canvas Rendering Context 2D:: draw Text Internal: the substitution of the proceeds \ the substitution of the proceeds \ the substitution of the proceeds \ the substitution of the substitution of the proceeds \ the substitution of the proceeds \ the substitution of the substitutio$

```
1: void CanvasRenderingContext2D::drawTextInternal(const String& text, float x, float y, bool fill, Optional<float> maxWidth)
2: {
3: if (RuntimeEnabledFeatures::sharedFeatures().webAPIStatisticsEnabled())
4: ResourceLoadObserver::shared().logCanvasWriteOrMeasure(this->canvas().document(), text);
5:
6: if (!canDrawTextWithParams(x, y, fill, maxWidth))
7: return;
8:
9: String normalizedText = text;
10: normalizeSpaces(normalizedText);
11:
12: const RenderStyle* computedStyle;
13: auto direction = toTextDirection(state().direction, &computedStyle);
14: bool override = computedStyle ? isOverride(computedStyle->unicodeBidi()) : false;
15:
16: TextRun textRun(normalizedText, 0, 0, AllowRightExpansion, direction, override, true);
17: drawTextUnchecked(textRun, x, y, fill, maxWidth);
18: }
```

At line 6, function checks if the passed width and height are within range.

At line 3 an HTMLCanvasElement object is retrieved with WebCore::CanvasBase and m_size that has default values of m_width as 300 and m_height as 150. Then the execution of line 6 proceeds to:

At line 2, a HTMLCanvasElement object is checked for any changes made in the background and the new m_height is set to value 87 according to the execution of event_change_height. At this point, the previous allocation is made with old height value (old_m_height of 150 minus m_height of 87 equals 63). Afterwards, at line 20, a call to fillGradient() tries to read memory from old memory ranges which are now freed due to changes made when function canvas.document().updateStyleIfNeeded(); was executed. This constitutes a use after free condition.

With proper memory layout control and heap grooming, an attacker would be able to take control of the erroneous memory reuse which could lead to information leak and possibly further memory corruption.

```
==76078==ERROR: AddressSanitizer: heap-use-after-free on address 0x6110000c8550 at pc 0x0002aacb31d7 bp 0x7ffeeb476b70 sp 0x7ffeeb476b68 READ of size 8 at 0x6110000c8550 thread T0
==76078==WARNING: invalid path to external symbolizer!
==76078==WARNING: Failed to use and restart external symbolizer!
#0 0x2aacb31d6 in WTF::RefPtr<WebCore::Gradient, WTF::RawPtrTraits<WebCore::Gradient>, WTF::DefaultRefDerefTraits<WebCore::Gradient>
>::get() const+0x26 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3d331d6)
#1 0x2aac9f7ec in WebCore::GraphicsContext::strokeGradient() const+0xc
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3d1f7ec)
#2 0x2aac964a4 in WebCore::CanvasRenderingContext2DBase::CanDrawTextWithParams(float, float, bool, WTF::Optional<float>)+0x134 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3d164a4)
#3 0x2aac9531f in WebCore::CanvasRenderingContext2D::drawTextInternal(WTF::String const&, float, float, bool,
WTF::Optional<float>)+0x17f (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3d1531f)
#4 0x2aac95140 in WebCore::CanvasRenderingContext2D::fillText(WTF::String const6, float, float, WTF::Optional<float>)+0xe0
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3d15140)
#5 0x2a76551bf in WebCore::jsCanvasRenderingContext2DPrototypeFunction_fillTextBody(JSC::JSGlobalObject*, JSC::CallFrame*, WebCore::JSCanvasRenderingContext2D*)+0x50f (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x6d51bf)
(/Users/mt/ruzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x6d510T)
#6 0x2a7654c0b in long long WebCore::IDLOperation
#6 0x2a7654c0b in long long WebCore::IDLOperation
fillTextBody(JSC::JSGlobalObject*, JSC::CallFrame*,
WebCore::JSCanvasRenderingContext2DP)), (WebCore::CastedThisErrorBehavior)0x(JSC::JSGlobalObject*, JSC::CallFrame*, char const*)+0xfb
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x6d4c0b)
#7 0x2a760de38 in WebCore::jsCanvasRenderingContext2DPrototypeFunction_fillText(JSC::JSGlobalObject*, JSC::CallFrame*)+0x8
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x68de38)
            #8 0x407929c011d7 (<unknown module>)
#9 0x2c74efc55 in llint_entry+0x1a6fd
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0xbc3c55)
#10 0x2c74efc55 in llint_entry+0x1a6fd (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0xbc3c55)
#11 0x2c74d5358 in vmEntryToJavaScript+0xd7 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0xba9358)
#12 0x2c8c4b930 in JSC::Interpreter::executeCall(JSC::JSGlobalObject*, JSC::JSObject*, JSC::CallData const6, JSC::JSValue, JSC::ArgList const6)+0x5e0 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x231f930) #13 0x2c92fcf44 in JSC::Call(JSC::JSGlobalObject*, JSC::JSValue, JSC::CallData const6, JSC::JSValue, JSC::ArgList const6)+0x64
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x29d0f44)
#14 0x2c92fd03f in JSC::call(JSC::JSGlobalObject*, JSC::JSValue, JSC::CallData const6, JSC::JSValue, JSC::ArgList const6,
WTF::NakedPtr<JSC::Exception>6)+0xdf
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x29d103f)
#15 0x2c92fd3fb in JSC::profiledCall(JSC::JSGlobalObject*, JSC::ProfilingReason, JSC::JSValue, JSC::CallData const0, JSC::JSValue, JSC::ArgList const0, WTF::NakedPtr<JSC::Exception>0)+0x10b
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x29d13fb)
#16 0x2a9d69f98 in WebCore::JSExecState::profiledCall(JSC::JSGlobalObject*, JSC::ProfilingReason, JSC::JSValue, JSC::CallData const6,
JSC::JSValue, JSC::ArgList const6, WTF::NakedPtr<JSC::Exception>6)+0xe8
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x2de9f98)
#17 0x2a9d94698 in WebCore::JSEventListener::handleEvent(WebCore::ScriptExecutionContext6, WebCc
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x2e14698)
#18 0x2aa5ecaa2 in WebCore::EventTarget::innerInvokeEventListeners(WebCore::Event6, WTF::Vector<WTF::RefPtr<WebCore::RegisteredEventListener, WTF::RawPtrTraits<WebCore::RegisteredEventListener>, WTF::DefaultRefDerefTraits<WebCore::RegisteredEventListener> >, 1ul, WTF::CrashOnOverflow, 16ul, WTF::FastMalloc>,
WebCore::EventTarget::EventTnokePhase)+0x522
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore::EventTarget::EventTnokePhase)+0x1b2
#19 0x2aa5e78f2 in WebCore::EventTarget::fireEventListeners(WebCore::Event&, WebCore::EventTarget::EventInvokePhase)+0x1b2
#19 0X2ad3e7012 In webcore::Eventrarget::InterventElsteners(webcore::Eventra, webcore::Eventrarget:
#26 0X2ab4f60e2 in Webcore::DOMMindow::dispatchEvent(WebCore::Event6, WebCore::EventTarget*)+0X2b2

(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x45760e2)
#21 0x2ab507885 in WebCore::DOMWindow::dispatchLoadEvent()+0x225 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4587885)
            #22 0x2aa4b0005 in WebCore::Document::dispatchWindowLoadEvent()+0x55
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3530005) #23 0x2aa4afac2 in WebCore::Document::implicitClose()+0x2e2 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x352fac2)
#24 0x2ab31e178 in WebCore::FrameLoader::checkCallImplicitClose()+0xd8 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x439e178)
(/Users/mt/Fuzzer/webnki/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/sulr/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/webnki/web
"/ Ox2datte2d2 in WebCote:Journal Trishedral3mig(70x22)

(/Users/mt/Fuzzer/webKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x354e2a2)

#28 0x2aadb1414 in WebCore::HTMLConstructionSite::finishedParsing()+0x24

(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3e31414)

#29 0x2aae12c9d in WebCore::HTMLTreeBuilder::finished()+0x1d
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3e92c9d)
#30 0x2aadb9d37 in WebCore::HTMLDocumentParser::end()+0x17
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3e39d37)
#31 0x2aadb7678 in WebCore::HTMLDocumentParser::attemptToRunDeferredScriptsAndEnd()+0x38 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3e37678)
#32 0x2aadb754a in WebCore::HTMLDocumentParser::prepareToStopParsing()+0x10a (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3e3754a)
#33 0x2aadb9d7f in WebCore::HTMLDocumentParser::attemptToEnd()+0x3f (/Users/mt/Fuzzer/WebKitJWebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3e39d7f) #34 0x2aadb9e59 in WebCore::HTMLDocumentParser::finish()+0x29 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore:framework/Versions/A/WebCore:x86_64+0x3e39e59)
#35 0x2ab2eb700 in WebCore::DocumentWriter::end()+0x1a0 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x436b700)
#36 0x2ab29cdec in WebCore::DocumentLoader::finishedLoading()+0x2dc
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x431cdec)
#37 0x2ab29c769 in WebCore::DocumentLoader::notifyFinished(WebCore::CachedResource&, WebCore::NetworkLoadMetrics const&)+0x2c9
(/Users/mt/Euzzer/WehKit/WehKitRuild/Release/WehCore framework/Versions/4/WehCore x86 64+0x431c769)
#38 0x2ab45ab8f in WebCore::CachedResource::checkNotify(WebCore::NetworkLoadMetrics const6)+0x17f
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x44dab8f)
#39 0x2ab4551be in WebCore::CachedResource::finishLoading(WebCore::SharedBuffer*, WebCore::NetworkLoadMetrics const6)+0x4e
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x44d61be)
#40 0x2ab456a58 in WebCore::CachedRawResource::frinishLoading(WebCore::SharedBuffer*, WebCore::NetworkLoadMetrics const0)+0x258
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x44d6a58)
#41 0x2ab3d1d12 in WebCore::SubresourceLoader::didFinishLoading(WebCore::NetworkLoadMetrics const8)+0x732 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4451d12)
(/Users/mt/Fuzzer/webKit/webKitBuild/Release/WebKit.framework/Versions/A/WebLore:x86_64+6x4451612)
#426 0x299f93086 in WebKit::WebResourceLoader::didfinishResourceLoad(WebCore::NetworkLoadMetrics const6)+6x286
(//Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+6x1f930b6)
#43 0x29a6521b1 in void IPC::callMemberFunctionImpl<WebKit::WebResourceLoader, void (WebKit::WebResourceLoader, void (WebKit::WebResourceLoader, void (WebKit::WebResourceLoader*, void (WebKit::WebResourceLoader*), void (WebKit::WebResourceLoader*, void (WebKit::WebResourceLoader*), void (WebKit::WebResourceLoader*), void (WebKit::WebResourceLoader*)
(Vusers/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0x26521b1)
(/Users/mi/ruzzer/webnit/webnitbuliu/Release/webnit/ramework/versions/A/webnit/sob_04+0x2052101)
#44 0x29a652108 in void IPC::callMemberfunction:webkit::WebResourceLoader, void (Webkit::WebResourceLoader::*)
(WebCore::NetworkLoadMetrics const6), std::_1::tuple<WebCore::NetworkLoadMetrics>, std::_1::tuple<WebCore::NetworkLoadMetrics> of the sourceLoader, void (WebKit::WebResourceLoader::*)(WebCore::NetworkLoadMetrics> of the sourceLoader, void (WebKit::WebResourceLoader::*)(WebCore::NetworkLoadMetrics> of the sourceLoader, void (WebKit::WebResourceLoader::*)(WebCore::NetworkLoadMetrics> of the sourceLoader)
const6))-0x28 (/Users/mt/Fuzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0x2652108)
#45 0x29a64f816 in void IPC::handleMessage<Messages::WebResourceLoader::DidFinishResourceLoad, WebKit::WebResourceLoader, void
(WebKit::WebResourceLoader::*)(WebCore::NetworkLoadMetrics const6)>(IPC::Decoder6, WebKit::WebResourceLoader*, void
(WebKit::WebResourceLoader::*)(WebCore::NetworkLoadMetrics const6))+0x146
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0x264f816)
#46 0x29a64ee23 in WebKit::WebResourceLoader::didReceiveWebResourceLoaderMessage(IPC::Connection6, IPC::Decoder6)+0x1a3 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0x264ee23)
```

```
#47 0x299f7f9aa in WebKit::NetworkProcessConnection::didReceiveMessage(IPC::Connection6, IPC::Decoder6)+0xfa (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0x1f7f9aa) #48 0x2980969e3 in IPC::Connection::dispatchMessage(IPC::Decoder6)+0x293
 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0x969e3)
#49 0x298098327 in IPC::Connection::dispatchMessage(std::_1::unique_ptr<IPC::Decoder, std::_1::default_delete<IPC::Decoder> >)+0x167
  (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86 64+0x98327)
  #50 0x298098e56 in IPC::Connection::dispatchOneIncomingMessage()+0x196 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0x98e56)
 #51 0x2980b7345 in IPC::Connection::enqueueIncomingMessage(std::__1::unique_ptrcIPC::Decoder, std::__1::default_delete<IPC
>)::$_8::operator()()+0x35 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0xb7345)
#52 0x2980b72ac in WTF::Detail::CallableWrapper<IPC::Connection::enqueueIncomingMessage(std::__1::unique_ptr<IPC::Decoder,
                                                                                                                                                                                                                                                                                                                   1::default delete<IPC::Decoder>
  std:: 1::default_delete<IPC::Decoder> >)::$ 8, void>::call()+0xc
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0xb72ac)
#53 0x2c696354e in WTF::Function<void ()>::operator()() const+0x3e
 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x3754e) #54 0x2c69f8868 in WTF::RunLoop::performWork()+0x228 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0xcc868)
 (/Users/mt/Fuzzer/webxt/tbuln/ketease/JavaStriptCore.framework/versions/A/JavaStriptCore.xoo_o+oxtcoso)
#55 0x2c69fbc35 in WTF::RunLoop::performWork(void+)+0xb5
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0xcfc35)
#56 0x7fff2041d9fb in __CFRUNLOOP_IS_CALLING_OUT_TO_A_SOURCE0_PERFORM_FUNCTION__+0x10
(/System/Library/Frameworks/CoreFoundation.framework/Versions/A/CoreFoundation:x86_64h+0x819fb)
#57 0x7fff2041d963 in __CFRunLoopDoSource0+0xb3
(/System/Library/Frameworks/CoreFoundation.framework/Versions/A/CoreFoundation:x86_64h+0x81963)
 (/System/Library/Frameworks/Corefoundation.framework/Versions/A/Corefoundation:x86_04H+0x81903)
#58 0x7fff(2041ddde in __CFRunLoopDoSources0+0xf7
(/System/Library/Frameworks/Corefoundation.framework/Versions/A/Corefoundation:x86_64h+0x816de)
#59 0x7fff(2041c110 in __CFRunLoopRun+0x379
(/System/Library/Frameworks/Corefoundation.framework/Versions/A/Corefoundation:x86_64h+0x80110)
#60 0x7fff(2041b6bd in CFRunLoopRunSpecific+0x232)
 #60 0X/TTT20410000 In CFRUNLOOPKUNSPECIFIC+0X232
(/System/Library/Frameworks/CoreFoundation:r86_64h+0x7f6bd)
#61 0x7fff211a5fa0 in -[MSRunLoop(NSRunLoop) runMode:beforeDate:]+0xd3
(/System/Library/Frameworks/Foundation.framework/Versions/C/Foundation:x86_64+0x5ffa0)
 (/System/Library/Frameworks/Foundation.framework/Versions/c/Foundation:x86_64+0xe140)
#62 0x7fff21204383 in -[NSRunLoop(NSRunLoop) run]+0x4b
(/System/Library/Frameworks/Foundation.framework/Versions/C/Foundation:x86_64+0xee383)
#63 0x7fff200753dc in _xpc_objc_main+0x338 (/usr/lib/system/libxpc.dylib:x86_64+0x153dc)
#64 0x7fff20076464 in xpc_main+0x1b4 (/usr/lib/system/libxpc.dylib:x86_64+0x14e64)
#65 0x298e40a7f in WebKit:XPCServiceMain(int, char const**)+0x47f
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0xe40a7f)
  #66 0x29a6f1f48 in WKXPCServiceMain+0x8
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebKit.framework/Versions/A/WebKit:x86_64+0x26f1f48)
             #67 0x104787e18 in main+0x8
  (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/com.apple.WebKit.WebContent.xpc/Contents/MacOS/com.apple.WebKit.WebContent.Development:x86_64+0
             #68 0x7fff20340630 in start+0x0 (/usr/lib/system/libdyld.dylib:x86_64+0x15630)
  0x6110000c8550 is located 16 bytes inside of 240-byte region [0x6110000c8540,0x6110000c8630)
 freed by thread T0 here:
    #0 0x2a52a9dd6 in __sanitizer_mz_free+0x86
(/Applications/Xcode.app/Contents/Developer/Toolchains/XcodeDefault.xctoolchain/usr/lib/clang/12.0.0/lib/darwin/libclang_rt.asan_osx_dynamic
 //yJklbix86_64h+0x49dd6)
    #1 0x2c6afe9d4 in bmalloc::DebugHeap::free(void*)+0x24
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x1d29d4)
 #20 %2C6afc548 in bmalloc::Cache::deallocateSlowCaseNullCache(bmalloc::HeapKind, void*)+0868
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x1d0548)
#3 0x2c69811dd in bmalloc::Cache::deallocate(bmalloc::HeapKind, void*)+0x7d
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x551dd)
#4 0x2c6980650 in bmalloc::api::free(void*, bmalloc::HeapKind)+0x10
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x54650)
  #5 0x2c698063a in WTF::fastFree(void*)+0xa
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x5463a)
             #6 0x2a8f35188 in WebCore::GraphicsContext::operator delete(void*)+0x8
 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x1fb5188)
#7 0x2a8f38cda in std::_1::default_delete<WebCore::GraphicsContext>::operator()(WebCore::GraphicsContext*) const+0x1a
#7 0x2a6f38cda in std::__1::default_delete<WebCore::GraphicsContext>:operator()(WebCore::GraphicsContext+) const+0x1a
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore::GraphicsContext, std::__1::default_delete<WebCore::GraphicsContext>
#8 0x2a6f38ca in std::__1::unique_ptr<WebCore::GraphicsContext, std::__1::default_delete<WebCore::GraphicsContext>
*:reset(WebCore::GraphicsContext+)+0x3c (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore:.GraphicsContext>
*:reset(WebCore::GraphicsContext+)+0x3c (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore::GraphicsContext)

#9 0x2a6f38ca in std::__1::unique_ptr<WebCore::GraphicsContext, std::__1::default_delete<WebCore::GraphicsContext>

*:~unique_ptr()+0xa
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore::GraphicsContext, std::__1::default_delete<WebCore::GraphicsContext>

*:~unique_ptr()+0xa (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore::GraphicsContext)

#10 0x2a6f2e633 in WebCore::IOSurface::~IOSurface()+0x23
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Releases/WebCore.framework/Versions/A/WebCore:x86_64+0x1fae633)

#11 0x2a6f2e633 in WebCore::IOSurface::~IOSurface()+0x23

#12 0x2a6f2e633 in WebCore::IOSurface::~IOSurface()+0x23
 #12 0x2a8f2e628 in WebCore::IOSurface::~IOSurface()+0x8 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x1fae628)
 #13 0x2abb62082 in std::_1::default_delete<WebCore::IOSurface>::operator()(WebCore::IOSurface*) const+0x12 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4be2082) #14 0x2abb6204c in std::_1::unique_ptr<WebCore::IOSurface, std::_1::default_delete<WebCore::IOSurface> >::reset(WebCore::IOSurface*)+0x3c (/Users/mt/Fuzzer/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4be204c)
 #15 0x2abb62008 in std::_1::unique_ptr<WebCore::IOSurface, std::_1::default_delete<WebCore::IOSurface> >::~unique_ptr()+0x8 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4be2008)
(/Users/mt/Fuzzer/Webkit/WebkitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4be2008)
#16 0x2abb513f8 in sdt:__1:unique_ptrCWebCore::IOSurface, sdt:__1:default_deletecWebCore::IOSurface>>::~unique_ptr()+0x8
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4bd13f8)
#17 0x2abb5aa74 in WebCore::ImageBufferIOSurfaceBackend::-ImageBufferIOSurfaceBackend()+0x34
(/Users/mt/Fuzzer/Webkit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4bd3aa74)
#18 0x2abb58c08 in WebCore::ImageBufferIOSurfaceBackend::-ImageBufferIOSurfaceBackend()+0x8
(/Users/mt/Fuzzer/WebKitWebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4bd8c08)
#19 0x2abb58c1d in WebCore::ImageBufferIOSurfaceBackend:-ImageBufferIOSurfaceBackend()+0xd
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4bd8c1d)
#20 0x2abb19749 in sdt:__1::default_deletecWebCore::ImageBufferIOSurfaceBackend:>:perator()(WebCore::ImageBufferIOSurfaceBackend*)
const-0x39 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4a99749)
#21 0x2aba1976c in sdt:__1::unique_ptr
 std::_1::default_delete<WebCore::ImageBufferIOSurfaceBackend> >::-unique_ptr()+0x8
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4a96758)
#24 0x2aba19224 in WebCore::ConcreteImageBuffer()+0x34
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4a99224)
 #25 0x2aba18cf8 in WebCore::ConcreteImageBuffer<WebCore::ImageBufferIOSurfaceBackend>::~ConcreteImageBuffer()+0x8 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4a98cf8)
 #26 0x2aba18d0d in WebCore::ConcreteImageBuffer<WebCore::ImageBufferIOSurfaceBackend>::~ConcreteImageBuffer()+0xd (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4a98d0d)
 #27 0x2a7f26a89 in std::_1::default_delete<WebCore::ImageBuffer>::operator()(WebCore::ImageBuffer*) const+0x39 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0xfa6a89)
 #28 0x2a7f26a3d in WTF::RefCountedWebCore::ImageBuffer, std::_1::default_deleteWebCore::ImageBuffer> >::deref() const+0x1d
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0xfa6a3d)
             #29 0x2aaa2460d in WebCore::HTMLCanvasElement::setSurfaceSize(WebCore::IntSize const8)+0x12d
  (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3aa460d)
  previously allocated by thread TO here:
             #0 0x2a52a99dd in __sanitizer_mz_malloc+0x9d
  (/Applications/Xcode.app/Contents/Developer/Toolchains/XcodeDefault.xctoolchain/usr/lib/clang/12.0.0/lib/darwin/libclang_rt.asan_osx_dynamic
 (/Applications/xcode.app/contents/beveroper/rootchains/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xcodeberater/xc
```

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#3 0x2c6afc290 in bmalloc::Cache::allocateSlowCaseNullCache(bmalloc::HeapKind, unsigned long)+0x70 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x1d0290) #4 0x2c6980d0d in bmalloc::Cache::allocate(bmalloc::HeapKind, unsigned long)+0x7d (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x54d0d) #5 0x2c6980440 in bmalloc::api::malloc(unsigned long, bmalloc::HeapKind)+0x10
  (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x54440)
 #6 0x2c69801ca in WTF::fastMalloc(unsigned long)+0xa
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/JavaScriptCore.framework/Versions/A/JavaScriptCore:x86_64+0x541ca)
 #7 0x2a8f35178 in WebCore::GraphicsContext::operator new(unsigned long)+0x8

(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x1fb5178)

#8 0x2a8f350e9 in std::__1::__unique_if<WebCore::GraphicsContext):__unique_single_std::__1::make_unique<WebCore::GraphicsContext,

CGContext*>(CGContext*&6)+0x19 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x1fb50e9)

#9 0x2a8f2ef0a in WebCore::IOSurface::ensureGraphicsContext()+0x10a

(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x1faef0a)
 #10 0x2abb57cf7 in WebCore::ImageBufferIOSurfaceBackend::context() const+0x27
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4bd7cf7)
#11 0x2abb52f42 in WebCore::ImageBufferCGBackend::setupContext() const+0xe2
 #11 0x2au052142 In webcore::ImageBufferIoSurfaceBackend::Setupcontext() Const-0xe2
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore:framework/Versions/A/WebCore:x86_64+0x4bd2f42)
#12 0x2abb57c83 in WebCore::ImageBufferIoSurfaceBackend::ImageBufferIoSurfaceBackend(WebCore::ImageBufferBackend::Parameters const6,
std::__1::unique_ptrcWebCore::IOSurface, std::__1::default_delete<WebCore::ToSurface>>66)+0x4bd7c83)
#13 0x2abb57c8 in WebCore::ImageBufferIoSurfaceBackend::ImageBufferIoSurfaceBackend(WebCore::ImageBufferBackend::Parameters const6,
std::__1::unique_ptrcWebCore::IOSurface, std::__1::default_delete<WebCore::IOSurface>>66)+0x8
 Std::_1::unique_ptr
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore:framework/Versions/A/WebCore:x86_64+0x4bd7cc8)
#14 0x2abb5a7a1 in std::_1::_unique_if<WebCore::ImageBufferIOSurfaceBackend>::_unique_single
std::_1::make_unique<WebCore::ImageBufferIOSurfaceBackend, WebCore::ImageBufferBackend::Parameters const6,
std::_1::unique_ptr<WebCore::IOSurface, std::_1::default_delete<WebCore::IOSurface> > (WebCore::ImageBufferBackend::Parameters const6,
std::_1::unique_ptr<WebCore::IOSurface, std::_1::default_delete<WebCore::IOSurface> > 56)+0x41
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4bda7a1)
 #15 0x2abb578d7 in WebCore::ImageBufferIOSurfaceBackend::create(WebCore::ImageBufferBackend::Parameters const6, CGColorSpace*, WebCore::HostWindow const*)+0x327 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore:framework/Versions/A/WebCore:x86_64+0x4bd78d7)
WebCore::HostWindow const*)*e0x327 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4bd78d7)
#16 0x2abb57bca in WebCore::ImageBufferIOSurfaceBackend::Create(WebCore::ImageBufferFackend::Parameters const6, WebCore::HostWindow const*)*e0x4a (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64*0x4bd7bca)
#17 0x2aba9b0b4 in WTF::RawFptr<WebCore::ConcreteImageBuffer<WebCore::ImageBufferIOSurfaceBackend>,
WTF::RawFptrTraits<WebCore::ConcreteImageBuffer<WebCore::ImageBufferIOSurfaceBackend>>,
WTF::DefaultRefDerefTraits<WebCore::ConcreteImageBufferIOSurfaceBackend>>>
WebCore::ConcreteImageBuffer<WebCore::ImageBufferIOSurfaceBackend>>>
>(WebCore::FloatSize const6, float, WebCore::ColorSpace, WebCore::PloatSize const6, float, WebCore::FloatSize const6, WebCore::RenderingMode, float, WebCore::ColorSpace,
            #18 0x2aba0ae40 in WebCore::ImageBuffer::create(WebCore::FloatSize const6, WebCore::RenderingMode, float, WebCore::ColorSpace,
  WebCore::PixelFormat, WebCore::HostWindow const+)+0x110
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4a8ae40)
  #19 0x2aba0a992 in WebCore::ImageBuffer::create(WebCore::FloatSize const8, WebCore::RenderingMode, WebCore::ShouldUseDisplayList, WebCore::RenderingPurpose, float, WebCore::ColorSpace, WebCore::PixelFormat, WebCore::HostWindow const*)+0x292 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x4a8a992)
 #20 0x2aaa2741d in WebCore::HTMLCanvasElement::createImageBuffer() const+0x4bd (/Users/mt/Fuzzer/WebKit;WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3aa741d) #21 0x2aa99b826 in WebCore::CanvasBase::buffer() const+0x66 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3a1b826)
 #22 0x2aa99b70d in WebCore::CanvasBase::drawingContext() Const+0x0d (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3a1b70d)
 #23 0x2aac943ed in WebCore::CanvasRenderingContext2DBase::drawingContext() const+0xfd
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3d143ed)
#24 0x2aac96395 in WebCore::CanvasRenderingContext2DBase::canDrawTextWithParams(float, float, bool, WTF::Optional<float>)+0x25
 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3d16395)
#25 0x2aac9531f in WebCore::CanvasRenderingContext2D::drawTextInternal(WTF::String const6, float, float, bool,
WTF::Optional<float>)+0x17f (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3d1531f)
  #26 0x2aac95140 in WebCore::CanvasRenderingContext2D::fillText(WTF::String const6, float, Toat, Wtf::Optional<float>)+0xe0 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x3d15140) #27 0x2a76551bf in WebCore::jsCanvasRenderingContext2DPrototypeFunction_fillTextBody(JSC::JSGlobalObject*, JSC::CallFrame*,
  WebCore::JSCanvasRenderingContext2D*)+0x50f
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x6d51bf)
 #28 0x2a7654c0b in long long WebCore::IDLOperation<WebCore::JSCanvasRenderingContext2D>::call<6
(WebCore::jsCanvasRenderingContext2DPrototypeFunction_fillTextBody(JSC::JSGlobalObject*, JSC::CallFrame*,
WebCore::JSCanvasRenderingContext2D*)), (WebCore::CastedThisErrorBehavior)0>/JSC::JSGlobalObject6, JSC::CallFrame6, char const*)+0xfb
(/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x604c0b)
  #29 0x2a760de38 in WebCore::jsCanvasRenderingContext2DPrototypeFunction_fillText(JSC::JSGlobalObject*, JSC::CallFrame*)+0x8 (/Users/mt/Fuzzer/WebKit/WebKitBuild/Release/WebCore.framework/Versions/A/WebCore:x86_64+0x68de38)
  SUMMARY: AddressSanitizer: heap-use-after-free
(/Users/mt/Fuzzer/WebKit/WebKit/Build/Release/WebCore.framework/Versions/A/WebCore:x86 64+0x3d331d6) in WTF::RefPtr<WebCore::Gradient.
       Addressable:
                                                                   00
       Partially addressable: 01 02 03 04 05 06 07
Heap left redzone: fa
       Freed heap region:
Stack left redzone:
       Stack mid redzone:
                                                                          f2
       Stack right redzone:
Stack after return:
                                                                          f3
f5
       Stack use after scope:
                                                                          f8
       Global redzone:
Global init order:
       Poisoned by user:
Container overflow:
Array cookie:
Intra object redzone:
                                                                          f7
                                                                          bb
        ASan internal:
        Left alloca redzone:
                                                                          ca
       Right alloca redzone:
                                                                          ch
  Shadow gap:
==76078==ABORTING
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Discovered by Marcin Towalski of Cisco Talos.

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TALOS-2021-1246 TALOS-2021-1258