

### Issue 1100748: Security: Possible for extensions to access chrome.cloudPrintPrivate API

Reported by derce...@gmail.com on Tue, Jun 30, 2020, 12:45 AM EDT

Code

### VULNERABILITY DETAILS

The Google Cloud Print site uses the chrome.cloudPrintPrivate API to retrieve a list of local printers and add them to the users account. This API is requested by the Cloud Print component extension and is granted to https://www.google.com/cloudprint/enable\_chrome\_connector.

Therefore, any extension that has access to https://www.google.com can use the API.

# VERSION

Chrome Version: Tested on 83.0.4103.116 (stable) and 86.0.4186.0 (canary)

Operating System: Windows 10, version 1909

### REPRODUCTION CASE

Install the attached extension.

2. Once installed, the extension will open a new tab at the following location:

https://www.google.com/cloudprint/enable\_chrome\_connector

3. As the extension requests hosts permissions for https://www.google.com, it's able to use chrome.tabs.executeScript to execute code within the context of this tab. Therefore, it makes the following call to log a list of printers to the console:

chrome.tabs.executeScript(targetTab.id, {code: "let script = document.createElement("script"); script.src = 'data:text/javacript,chrome.cloudPrintPrivate.getPrinters(function (printers) {console.log("Printers retrieved: \", printers);}\", document.head.appendChild(script);")};

## CREDIT INFORMATION

Reporter credit: David Erceg

background.js

652 bytes View Download

manifest.json

243 bytes View Download

Comment 1 by derce...@gmail.com on Tue, Jun 30, 2020, 12:53 AM EDT

Overall, this issue has some similarity to issue 037497, in that a private API can be accessed from other contexts.

One thing I've noticed is that https://www.google.com/cloudprint/enable\_chrome\_connector is isolated in a separate process. I believe that's due to the fact that the site instance URL is for the associated extension. That means other pages on the https://www.google.com origin can't script or access it in any way.

Additionally, an extension can't attach to the page using chrome.debugger.attach. That's because the request first goes through RenderFrameDevToolsAgentHost::ShouldAllowSession:

session->GetClient()->MayAttachToURL(frame host ->GetSiteInstance()->GetSiteURL(), frame host ->web ui())

In this case, frame\_host\_->GetSiteInstance()->GetSiteURL() returns:

chrome-extension://mfehgcgbbipciphmccgaenjidiccnmng/#https://google.com/

This ultimately causes the request to be denied within PermissionsData::IsRestrictedUrl because the current extension host doesn't match the site URL host:

https://source.chromium.org/chromium/src/+/master.extensions/common/permissions data.cc;l=143;drc=efba8d2927574721d8e9c39c444a0c363694 c312

On the other hand, chrome.tabs.executeScript will execute code on the page. The permission check is performed against the regular URL (https://www.google.com/cloudprint/enable\_chrome\_connector) and will succeed.

As far as I'm aware, the Web Store extension is the only other component extension that grants API functionality to a particular web URL (https://chrome.google.com/webstore). However, it's special-cased within ChromeExtensionsClient::IsScriptableURL:

https://source.chromium.org/chromium/src/+/master:chrome/common/extensions/chrome\_extensions\_client.cc;l=164;drc=d800f2cc8eb15c5a9be051c2abaef15b1 45658a6

That means that attempting to script https://chrome.google.com/webstore via chrome.tabs.executeScript will fail.

Comment 2 by carlosil@chromium.org on Tue, Jun 30, 2020, 3:37 PM EDT Project Member

Status: Assigned (was: Unconfirmed) Owner: rdevl...@chromium.org

Labels: Security\_Impact-Stable Security\_Severity-Medium M-84 OS-Chrome OS-Fuchsia OS-Linux OS-Mac Components: Platform>Extensions

Assigning medium severity to match the other erbug .com/037487 since this would also be mitigated by the extension install prompt listing the correct extensions

Devlin: Can you help further triage and assign this? Thanks.

Comment 3 by rdeyl...@chromium.org on Tue. Jun 30, 2020, 4:02 PM EDT Project Member

Owner: thestig@chromium.org

Cc: rdevl...@chromium.org creis@chromium.org nasko@chromium.org

Ooh, fun. Good find.

Hosted apps (excluding the webstore, which is very special in many ways) are basically web pages with a few more capabilities. They are designed to have relatively little power, and we've largely acknowledged that anything that can run in the context of the hosted app (i.e., in the context of the web page) can do the same things it can. This is normally fine, because hosted app privileges are usually pretty weak, and either extend or align with web permissions.

This is obviously an exception. On the upside, a quick search seems to indicate that this is the \_only\_ exception - I don't see any other restricted APIs that are available to

thestig@, do you know what the plan is for the cloudprint hosted app, since hosted apps are deprecated? Is there a plan in place to migrate it off? If so, what's the timeline like? If not, do you have other ideas how we could fix this?

My strong suspicion is that we don't want to make the same carveouts for cloudprint that we did for the webstore, but +nasko and creis FYI.

In the meantime, I'll see if we can also add a restriction against any more privileged APIs being exposed to hosted apps

Comment 4 by thestig@chromium.org on Tue, Jun 30, 2020, 4:30 PM EDT Project Me

We have no plans to migrate. Instead, Cloud Print as a whole is being shut down. The plan is to do that at the end of 2020, but the timeline may get extended a bit.

Comment 5 by thestig@chromium.org on Wed, Jul 1, 2020, 2:54 AM EDT Project Member

Labels: -OS-Chrome

We can check that legitimate requests navigated from chrome://devices. Extensions can't navigate tabs to chrome:// URLs, right?

Comment 6 by thestig@chromium.org on Wed, Jul 1, 2020, 3:03 AM EDT Project Member

e.g. Something like https://chromium-review.googlesource.com/2277106

Comment 7 by sheriffbot on Wed, Jul 1, 2020, 2:47 PM EDT Project Member

Labels: Pri-1

Setting Pri-1 to match security severity Medium. If this is incorrect, please reset the priority. Sheriffbot won't make this change again.

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

Comment 8 by thestig@chromium.org on Mon, Jul 6, 2020, 7:14 PM EDT Project Member

Cc: dcheng@chromium.org

Still looking for some feedback on comment 5 / comment 6. Adding dcheng@ for more eyeballs since all the folks CCed are busy.

Comment 9 by creis@chromium.org on Tue, Jul 7, 2020, 4:43 PM EDT Project Member

Components: Internals>Sandbox>SiteIsolation

Comment 5: Extensions with the chrome.tabs permission can navigate to chrome:// URLs, right Devlin? The checks inhttps://chromiumreview.googlesource.com/c/chromium/src/+/2277106/1/chrome/browser/extensions/api/cloud\_print\_private/cloud\_print\_private\_api.cc also seem a bit fragile, since the assumptions it makes about session history aren't always true. (e.g., You can't always assume that you can peek back one entry to see where the user came from-- that entry may have been cleared from browsing data, or because we hit the max number of entries, or overwritten with location.replace, etc.) Even if that worked, though, the extension would still have access to the API if the user went through the normal flow.

Devlin's right that content scripts are generally allowed to run within hosted apps, since those aren't supposed to be privileged. This API seems problematic since we aren't isolating the URL in any way. Indeed, we can't even isolate the origin as a special print endpoint since it's served from www.google.com. It's unfortunate that Cloud Print depends on granting this API, and I'm glad it at least has a path to removal.

In the meantime, I do think we need to find a way to mitigate this. Is there any way to move the API to a different origin that we can isolate? Maybe even chrome.google.com to take advantage of the isolation added in isolation

Alternatively, can the content script logic make an exception for this Cloud Print hosted app's URL(s) and prevent script injection there, until Cloud Print is removed?

Comment 10 by thestig@chromium.org on Tue, Jul 7, 2020, 4:57 PM EDT Project Me

Cc: zachbutler@google.com

My CL is indeed fragile, but the only legit use, AFAIK, is from chrome://devices, where users navigate in the manner that my CL checks for.

+zachbutler to discuss server side options w.r.t. comment 9.

> Extensions with the chrome tabs permission can navigate to chrome:// URLs, right Devlin?

In fact, even without the tabs permission. Any extension can create a tab to navigate to chrome://<anything>.

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Note: I know nothing about how cloudprint works : )

> In the meantime, I do think we need to find a way to mitigate this. Is there any way to move the API to a different origin that we can isolate? Maybe even chrome.google.com to take advantage of the isolation added in isosue 020408?

I think that'd be best - we'd get isolation + I think all of chrome.google.com is protected from script injection. I don't know how feasible this is, though, so interested to know from zachbutler@.

> Alternatively, can the content script logic make an exception for this Cloud Print hosted app's URL(s) and prevent script injection there, until Cloud Print is removed?

Theoretically - but this is ugly, and I'd really prefer another solution. For one, it wouldn't have all the same protections as the webstore, and I'd wonder if extensions would still find a way to access it - we have a reasonably centralized check in PermissionsData::isRestrictedUrl(), but I can't guarantee that's perfect. I'm also not really keen on protecting a part of google.com based on the path (rather than the domain). It'd theoretically mean that any google.com site could "opt out" of extensions by using history.pushState(), either intentionally or through some other script.

Comment 12 by thestig@chromium.org on Wed, Jul 8, 2020, 1:38 PM EDT Project Member

Well, if extensions are free to navigate a tab to chrome:// URLs, then my idea probably won't work.

I didn't design chrome.cloudPrintPrivate and it took me a long time to find it's used in the registration flow on chrome://devices. AFAIK, the intended use case is for chrome://devices to navigate the user to https://www.google.com/cloudprint/enable\_chrome\_connector/enable.html, and that page use chrome.cloudPrintPrivate to madically get the local printer list and register them.

Comment 13 by rdevl...@chromium.org on Wed, Jul 8, 2020, 1:48 PM EDT Project Member

Note: Filed issue 1103302 to track disallowing (more) private APIs for hosted apps.

Comment 14 by rdevl...@chromium.org on Fri, Jul 10, 2020, 6:38 PM EDT Project Member

Cc: karandeepb@chromium.org

Comment 15 by zachbutler@google.com on Mon, Jul 13, 2020, 6:46 PM EDT Project Member

It seems the least risky option is to just have an exception for this Cloud Print URL? I know that's not ideal, but given Cloud Print's upcoming deprecation, would it be sufficient for the next -6 months?

My concern with moving the API origin is that it could have unintended side effects we don't know about. But I'm also not familiar with what exactly that would entail, so perhaps I'm overestimating the risk.

Comment 16 by sheriffbot on Thu, Jul 23, 2020, 1:38 PM EDT Project Member

thestig: Uh oh! This issue still open and hasn't been updated in the last 15 days. This is a serious vulnerability, and we want to ensure that there's progress. Could you please leave an update with the current status and any potential blockers?

If you're not the right owner for this issue, could you please remove yourself as soon as possible or help us find the right one?

If the issue is fixed or you can't reproduce it, please close the bug. If you've started working on a fix, please set the status to Started.

Thanks for your time! To disable nags, add the Disable-Nags label

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

Comment 17 by thestig@chromium.org on Thu, Jul 30, 2020, 8:42 PM EDT Project Member
Security folks, is this something we can live with for ~6 more months until Cloud Print deprecation?

Security loiks, is this something we can live with lor to more months until Cloud Finit deprece

Comment 18 by creis@chromium.org on Fri, Jul 31, 2020, 7:13 PM EDT

Project Membe
Cc: adetaylor@chromium.org

I'm not thrilled with leaving this unfixed until Cloud Print is gone, but maybe we can discuss the implications and make a call on that. Deprecations do have a habit of being delayed, and 6 months is already a long time to let this sit, so I'd prefer a fix if we can find a reasonable one in the meantime. Adding adetaylor@ to get a second opinion.

In terms of implications and severity, this isn't the worst API to expose, but it is a bit of a privacy leak. IIUC, it leaks the names of the locally connected printers the user has, to an attacker who has control over their entire Google account already. Those local printers may overlap with the ones already accessible to the attacker via <a href="https://www.google.com/cloudprint/#printers">https://www.google.com/cloudprint/#printers</a>, but only if the user has already gone through the flow from comment 12. I don't think the bug allows an attacker to connect to those printers directly (e.g., no IP addresses are revealed), but leaking the names may reveal something about the user (e.g., where they work, network topology, private names). I'm curious if adetaylor@ thinks that merits Medium or should be Low severity, and whether we need to prioritize a fix.

For fix options, I can understand that changing the origin used by CloudPrint isn't a good idea this late in the game

I also see Devlin's point that URL based restrictions aren't ideal, since the victim URL can appear inside or outside the affected hosted app, and it's true that other Google URLs could pretend to be it to disable executeScript. Devlin, could content script logic instead disable executeScript inside the hosted app itself regardless of URL (e.g., based on a Sitelnstance check)? That would limit the effect to cases where we legitimately loaded the URL of a Cloud Print hosted app in the normal way, and where the page wouldn't be able to be scripted by same-origin pages outside the hosted app anyway.

That restriction would admittedly affect other URLs loaded within the Cloud Print hosted app, such as the https://clients5.google.com/pagead/drt/dn/ iframe on https://www.google.com/cloudprint/enable\_chrome\_connector/enable.html, but that might be ok for something hopefully going away within a year. The whole restriction could then go away at that time.

Thoughts?

Comment 19 by adetaylor@chromium.org on Sat, Aug 1, 2020, 8:49 PM EDT Project Member

> IIUC, it leaks the names of the locally connected printers the user has, to an attacker who has control over their entire Google account already.

If that's an accurate description of the situation, I'd class this as Low, and I would be OK waiting for the inevitable 12 months until cloud print is \_actually\_deprecated:) It seems to me that in most realistic cases, control of the Google account can yield lots of interesting information and exploitation possibilities. Getting the local printer names seems a minimal amount of extra information.

Comment 20 by creis@chromium.org on Mon, Aug 3, 2020, 2:20 PM EDT Project Member

Labels: -Security\_Severity-Medium Security\_Severity-Low

adetaylor@: Thanks. I'm dropping to Low severity accordingly. And thanks Devlin for preventing further instances of this type of bug with hosted apps in issue 1103303

 $the stig@: Is there \ an issue \ filed \ for \ deprecating \ / \ turning \ off \ Cloud \ Print \ that \ this \ can \ be \ marked \ blocked \ on?$ 

Also, anyone should feel free to chime in if we've misunderstood the severity. It's obviously less than ideal to expose APIs like this to content scripts, but I'm glad we have a path to removing this last case.

Labels: -Pri-1 Pri-2

Setting Pri-2 to match security severity Low. If this is incorrect, please reset the priority, Sheriffbot won't make this change again

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

Comment 22 by thestig@chromium.org on Mon, Aug 3, 2020, 8:36 PM EDT Project Member

Blockedon: 1112576

Comment 23 by thestig@chromium.org on Mon, Aug 3, 2020, 8:37 PM EDT Project Member

Note that this is not blocked on complete Cloud Print deprecation. It's just chrome://devices that needs to be removed.

Comment 24 by creis@chromium.org on Tue, Aug 4, 2020, 6:54 PM EDT Project Member

Thanks! Hopefully that's something that can be done early in the deprecation process.

Comment 25 by rdevl...@chromium.org on Thu, Aug 6, 2020, 1:02 PM EDT Project Member

I'm good with waiting for Cloud Print deprecation, and, as Charlie and Ade mentioned, I think if an attacker has access to google.com, the printers aren't high on the list of concerns in practice.

> Devlin, could content script logic instead disable executeScript inside the hosted app itself regardless of URL (e.g., based on a SiteInstance check)?

Technically, yes, and I agree this would be a better check. The downside is that it'd be a fair amount of work to update all the necessary call sites to use the hosted app URL, and I'd wonder if there'd be anything else that breaks along the way. If we're okay waiting for deprecation, that's my preference

Comment 26 by sheriffbot on Wed, Aug 26, 2020, 1:38 PM EDT Project Member

Labels: -M-84 Target-85 M-85

Comment 27 by sheriffbot on Wed, Oct 7, 2020, 1:37 PM EDT Project Members

Labels: -M-85 M-86 Target-86

Comment 28 by sheriffbot on Fri, Oct 30, 2020, 6:46 PM EDT Project Member

Labels: reward-potential

Comment 29 by sheriffbot on Wed, Nov 18, 2020, 12:22 PM EST Project Member

Labels: -M-86 M-87 Target-87

Comment 30 by creis@chromium.org on Thu, Dec 3, 2020, 7:26 PM EST Project Member

Cc: rbpotter@chromium.org

I see rbpotter@ has removed chrome://devices in issue 1112576. Thanks! thestig@, does that resolve the issue here?

Comment 31 by creis@chromium.org on Mon, Dec 7, 2020, 8:24 PM EST Project Member

Owner: rbpotter@chromium.org Cc: thestig@chromium.org Components: Services>CloudPrint

Looks like thestig@ is on leave. rbpotter@: I noticed that the cloudPrintPrivate API still seems to be around (e.g.,

chrome/browser/extensions/api/cloud\_print\_private/cloud\_print\_private\_api.h). Comment 12 implies that chrome://devices was the only use of that API, and this bug is about a security issue due to that API. Now that chrome://devices is gone, would it be possible to remove that API as well to close this security bug? Thanks!

Comment 32 by rbpotter@chromium.org on Thu, Dec 10, 2020, 9:59 PM EST Project Member

Happy to go ahead and start a CL to remove it, if we're confident that was the only usage (I can try to find/dig around the google.com/cloudprint code if needed but I'm not really familiar with it or with this API). As noted in comment 30, chrome://devices was removed in M88

Comment 33 by bugdroid on Thu, Jan 7, 2021, 2:09 PM EST Project Member

The following revision refers to this bug:

https://chromium.googlesource.com/chromium/src/+/c5f9e0438b670cc1c5077a39518ca056d46c642a

commit c5f9e0438b670cc1c5077a39518ca056d46c642a

Author: rbpotter <rbpotter@chromium.org> Date: Thu Jan 07 19:09:05 2021

Remove cloudPrintPrivate extension API

The only valid use case involved the chrome://devices page, which has

Change-Id: le1d62eecd00cec5e35fb76e7398c0ab40ea95b5f

Reviewed-on: https://chromium-review.googlesource.com/c/chromium/src/+/2585562

Reviewed-by: Achuith Bhandarkar <achuith@chromium.org> Reviewed-by: Devlin <rdevlin.cronin@chromium.org> Commit-Queue: Rebekah Potter <rbotter@chromium.org> Cr-Commit-Position: refs/heads/master@{#841133}

[delete] https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/browser/resources/cloud\_print\_app/DIR\_METADATA

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/chrome/common/extensions/api/ api features.ison

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/chrome/browser/extensions/component\_loader.cc

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/chrome/browser/browser\_resources.grd

[delete] https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/common/extensions/api/cloud\_print\_private.ison [modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/chrome/common/extensions/permissions/permission\_set\_unittest.cc

[delete] https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/browser/resources/cloud\_print\_app/OWNERS

[delete] https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/browser/extensions/api/cloud\_print\_private/cloud\_print\_private\_apitest.cc

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/chrome/test/ext\_auto/auto\_provider/manifest.json

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/chrome/common/extensions/pe issions/chrome api permissions.cc

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/chrome/browser/extensions/BUILD.gn [modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/chrome/common/extensions/api/api sources.gni

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/extensions/browser/extension\_function\_histogram\_value.h

[delete] https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/browser/resources/cloud\_print\_app/manifest.json

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/chrome/common/extensions/api/ permission\_features.json

[delete] https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/browser/extensions/api/cloud\_print\_private/cloud\_print\_private\_api.cc

[modify] https://crrev.com/c5/9e0438b670cc1c5077a39518ca056d46c642a/chrome/test/BUILD.gn [modify] https://crrev.com/c5/9e0438b670cc1c5077a39518ca056d46c642a/chrome/browser/extensions/component\_extensions\_allowlist/allowlist.cc

[delete] https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/browser/extensions/api/cloud\_print\_private/cloud\_print\_private\_api.h

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/tools/metrics/histograms/enums.xml

[delete]

https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/test/data/extensions/api\_test/cloud\_print\_private/enable\_chrome\_connector/cloud\_print\_success

[delete]

https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/test/data/extensions/api\_test/cloud\_print\_private/enable\_chrome\_connector/cloud\_print\_success

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https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/test/data/extensions/api\_test/cloud\_print\_private/enable\_chrome\_connector/cloud\_print\_incognit

o failure tests.js

[modify] https://crrev.com/c5f9e0438b670cc1c5077a39518ca056d46c642a/extensions/common/permissions/api\_permission.h

[delete]

 $https://crrev.com/b7441ba363991c9f5b7087bed3bed845021f52a1/chrome/test/data/extensions/api_test/cloud\_print\_private/enable\_chrome\_connector/cloud\_print\_incognitog_failure\_tests.html$ 

Comment 34 by creis@chromium.org on Thu, Jan 7, 2021, 7:08 PM EST Project Member

Status: Fixed (was: Assigned)

Thanks rbpotter@! I think that should resolve this enough to be considered fixed.

Devlin, is there any followup we can do from your comment 3?

> This is obviously an exception. On the upside, a quick search seems to indicate that this is the \_only\_ exception - I don't see any other restricted APIs that are available to hosted apps (other than the webstore).

I'm wondering if there's a way to prevent restricted APIs from being granted to hosted apps at this point, with the CWS as the lone exception.

Comment 35 by sheriffbot on Fri, Jan 8, 2021, 12:43 PM EST Project Member

Labels: reward-topanel

Comment 36 by sheriffbot on Fri, Jan 8, 2021, 1:59 PM EST Project Member

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

Comment 37 by rdevl...@chromium.org on Fri, Jan 8, 2021, 5:38 PM EST Project Member

@34: Check out issue 1103302: ) (mentioned this briefly in #c13, but definitely easy to get lost in this shuffle)

Thank you for checking!

Comment 38 by creis@chromium.org on Fri, Jan 8, 2021, 6:08 PM EST Project Member

Fantastic! I thought I'd seen something like that. I've sent https://chromium-review.googlesource.com/c/chromium/src/+/2617873 to remove the CloudPrint extension ID from that allowlist, in case that's safe to do now.

Comment 39 by bugdroid on Fri, Jan 8, 2021, 7:20 PM EST Project Member

The following revision refers to this bug:

https://chromium.googlesource.com/chromium/src/+/19bd4f137aca5b68dc8e144e2a98a8c964e98a48

commit 19bd4f137aca5b68dc8e144e2a98a8c964e98a48

Author: Charlie Reis <creis@chromium.org>

Date: Sat Jan 09 00:19:17 2021

Remove CloudPrint hosted app exception now that CloudPrint is gone

We don't need to allow the CloudPrint hosted app to use restricted

APIs after r841133.

Bug: 1103302, 1100748

Change-Id: If8965b276a53cd00fa6822f870b7db78d77dfef4

Reviewed-on: https://chromium-review.googlesource.com/c/chromium/src/+/2617873

Commit-Queue: Charlie Reis <creis@chromium.org>
Commit-Queue: Devlin <rdevlin.cronin@chromium.org>
Reviewed-by: Devlin <rdevlin.cronin@chromium.org>

Cr-Commit-Position: refs/heads/master@{#841728}

[modify] https://crrev.com/19bd4f137aca5b68dc8e144e2a98a8c964e98a48/tools/json\_schema\_compiler/feature\_compiler.py

Comment 40 by sheriffbot on Thu, Jan 14, 2021, 4:22 PM EST Project Member

Labels: external\_security\_report

Comment 41 by adetaylor@google.com on Wed, Jan 20, 2021, 7:01 PM EST Project Member

Labels: -reward-potential

Comment 42 by adetaylor@google.com on Fri, Feb 26, 2021, 1:08 PM EST Project Member

Labels: Release-0-M89

Comment 43 by adetaylor@google.com on Mon, Mar 1, 2021, 7:29 PM EST Project Member

Labels: CVE-2021-21185 CVE\_description-missing

Comment 44 by amyressler@google.com on Tue, Mar 9, 2021, 12:59 PM EST Project Member

Labels: -CVE description-missing CVE description-submitted

Comment 45 by sheriffbot on Wed, Mar 10, 2021, 8:05 PM EST Project Member

Labels: reward-potential

Comment 46 by zhangtiff@google.com on Wed, Mar 17, 2021, 7:12 PM EDT Project Member

Labels: -reward-potential external\_security\_bug

Comment 47 by amyressler@google.com on Wed, Mar 17, 2021, 8:06 PM EDT Project Member

Labels: -reward-topanel reward-unpaid reward-1000

\*\*\* Boilerplate reminders! \*\*

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 48 by amyressler@google.com on Wed, Mar 17, 2021, 8:30 PM EDT

Project Member

Congratulations, David! The VRP Panel has decided to award you \$1,000 for this report. Thank you for your excellent report of this issue.

Comment 49 by amyressler@google.com on Thu, Mar 18, 2021, 1:29 PM EDT Project Member

Labels: -reward-unpaid reward-inprocess

Comment 50 by sheriffbot on Thu, Jun 24, 2021, 1:54 PM EDT 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

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