

☆ Starred by 4 users

Owner:

neis@chromium.org


CC:

adetaylor@chromium.org

nicohartmann@chromium.org

neis@chromium.org

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 ecmziegler@google.com

Status:

Fixed (Closed)

Components:

Blink>JavaScript>Compiler

Modified:

2 days ago

Backlog-Rank:

Editors:

EstimatedDays:

NextAction:

OS:

Linux, Android, Windows, Chrome, Mac, Fuchsia, Lacros

Pri:

1

Type:

Bug-Security

Hotlist-Merge-Review

Security_Impact-Stable

Security_Severity-High

allpublic

CVE_description-submitted

M-90

Target-90

merge-merged-8.6

LTS-Security-86

LTS-Merge-Approved-86

merge-merged-9.0

merge-merged-9.1

Release-3-M90

CVE-2021-30513

Issue 1200490: 0 and -0 confusion in SpeculativeNumberMultiply

Reported by m...@semmlie.com on Mon, Apr 19, 2021, 3:38 PM EDT

 Code

VULNERABILITY DETAILS

In SpeculativeNumberMultiply, a [Signed32] type restriction is placed on the feedback type of the node if both inputs are of type [Signed32] and the type hint is [kSignedSmall] [1]. While this is guarded by the [LowerToCheckedInt32Mul] function, the function will not deopt if the truncation is set to [kIdentifyZero] [2]. In this case, the feedback type of the node will be set to [Signed32] and will not deopt even if it becomes -0.

In [VisitSpeculativeIntegerAdditiveOp], the right hand side input is set to [kIdentifyZero] unconditionally [3], while the its feedback_type is used to check whether the left hand side truncation can be set to [kIdentifyZero].[4]

Combining this with the incorrect feedback type for the output of SpeculativeNumberMultiply, this can be used to trick JIT to set the truncation type of the left hand side input of SpeculativeSafeIntegerAdd to [kIdentifyZero], which would cause SpeculativeSafeIntegerAdd to fail to deopt even when its output should be -0 and causes JIT code to generate a 0 output when it should have generated a -0 output.

VERSION

Tested on d8 master branch commit 090431b
Operating System: Ubuntu 20.04

REPRODUCTION CASE

Running the attached spec_mul.js on d8 (commit 090431b) with the --allow-natives-syntax flag:

d8 --allow-natives-syntax spec_mul.js

should produce the output

true

false

Showing that the JIT code is generating the incorrect version of 0.

Thank you very much for your help and please let me know if there is anything that I can help.

CREDIT INFORMATION

Reporter credit: Man Yue Mo of GitHub Security Lab

1. <https://source.chromium.org/chromium/chromium/src/+7290c3f69d21ad92234dff0808708431e257b794:v8/src/compiler/simplified-lowering.cc;l=2263>

2. <https://source.chromium.org/chromium/chromium/src/+7290c3f69d21ad92234dff0808708431e257b794:v8/src/compiler/simplified-lowering.cc;l=1432;drc=1aa1254f5b527b89b190837892d5928c8d0f7bfc>

3. <https://source.chromium.org/chromium/chromium/src/+7290c3f69d21ad92234dff0808708431e257b794:v8/src/compiler/simplified-lowering.cc;l=1521;drc=1aa1254f5b527b89b190837892d5928c8d0f7bfc>

4. <https://source.chromium.org/chromium/chromium/src/+7290c3f69d21ad92234dff0808708431e257b794:v8/src/compiler/simplified-lowering.cc;l=1512;drc=1aa1254f5b527b89b190837892d5928c8d0f7bfc>

spec_mul.js

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

Comment 1 by [est...@chromium.org](#) on Mon, Apr 19, 2021, 5:04 PM EDT Project Member

Status: Assigned (was: Unconfirmed)
Owner: [mvsta...@chromium.org](#)
Cc: [neis@chromium.org](#)
Labels: OS-Android OS-Chrome OS-Linux OS-Mac OS-Windows
Components: Blink>JavaScript>Compiler

Comment 2 by [neis@chromium.org](#) on Tue, Apr 20, 2021, 2:54 AM EDT Project Member

Owner: [neis@chromium.org](#)
Labels: Pri-1

Comment 3 by [neis@chromium.org](#) on Tue, Apr 20, 2021, 4:08 AM EDT Project Member

Status: Started (was: Assigned)

Comment 4 by [m...@semmlle.com](#) on Tue, Apr 20, 2021, 6:26 AM EDT

SpeculativeNumberModulus also suffer the same problem. In this case, when both inputs are Unsigned32 or -0, the feedback type gets narrowed to Unsigned32 and also ChangeToUint32OverflowOp is used (which will not deopt with -0 output):

https://source.chromium.org/chromium/chromium/src/+/-/7290c3f69d21ad92234dff0808708431e257b794:v8/src/compiler/simplified-lowering.cc;_i=1625;drc=a536084f94f9d0d7190a9d467d7f5337942f2ccb;bpv=0;bpt=1

The attached test case shows the problem with SpeculativeNumberModulus.

spec_mod.js
318 bytes [View](#) [Download](#)

Comment 5 by [neis@chromium.org](#) on Tue, Apr 20, 2021, 9:04 AM EDT Project Member

Labels: Security_Severity-High Security_Impact-Stable

Thanks. I expect there are a few more, I'm looking into it. My bad for not spotting them when doing the other fix earlier.

Comment 6 by [Git Watcher](#) on Wed, Apr 21, 2021, 8:12 AM EDT Project Member

The following revision refers to this bug:
<https://chromium.googlesource.com/v8/v8/+/-/47077d94492cb604e3a7f02cd7c3c495ff6b713>

commit 47077d94492cb604e3a7f02cd7c3c495ff6b713

Author: Georg Neis <[neis@chromium.org](#)>

Date: Tue Apr 20 16:19:42 2021

[compiler] Fix more truncation bugs in SimplifiedLowering

[Bug-chromium:1200400](#)

Change-Id: I3555b6d99bdb4b4e7c302a43a82c17e8bff84ebe

Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+/-/2840452>

Reviewed-by: Nico Hartmann <[nicohartmann@chromium.org](#)>

Commit-Queue: Georg Neis <[neis@chromium.org](#)>

Cr-Commit-Position: refs/heads/master@{#74097}

[modify] <https://crrev.com/47077d94492cb604e3a7f02cd7c3c495ff6b713/src/compiler/simplified-lowering.cc>

Comment 7 by [Git Watcher](#) on Wed, Apr 21, 2021, 8:37 AM EDT Project Member

The following revision refers to this bug:
<https://chromium.googlesource.com/v8/v8/+/-/32281d6247faaf940de2c49091403e29c9fc8a66>

commit 32281d6247faaf940de2c49091403e29c9fc8a66

Author: Georg Neis <[neis@chromium.org](#)>

Date: Wed Apr 21 12:29:50 2021

Revert "[compiler] Fix more truncation bugs in SimplifiedLowering"

This reverts commit 47077d94492cb604e3a7f02cd7c3c495ff6b713.

Reason for revert: realized a problem

Original change's description:

> [compiler] Fix more truncation bugs in SimplifiedLowering

>

> [Bug-chromium:1200400](#)

> Change-Id: I3555b6d99bdb4b4e7c302a43a82c17e8bff84ebe

> Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+/-/2840452>

> Reviewed-by: Nico Hartmann <[nicohartmann@chromium.org](#)>

> Commit-Queue: Georg Neis <[neis@chromium.org](#)>

> Cr-Commit-Position: refs/heads/master@{#74097}

[Bug-chromium:1200400](#)

Change-Id: I07b4a34269184e801bef657c1c2c9334c58f348c

No-Presubmit: true

No-Tree-Checks: true

No-Try: true

Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+/-/2843810>

Bot-Commit: Rubber Stamper <[rubber-stamper@appspot.gserviceaccount.com](#)>

Commit-Queue: Georg Neis <[neis@chromium.org](#)>

Cr-Commit-Position: refs/heads/master@{#74099}

[modify] <https://crrev.com/32281d6247faaf940de2c49091403e29c9fc8a66/src/compiler/simplified-lowering.cc>

Comment 8 by [Git Watcher](#) on Wed, Apr 21, 2021, 11:28 AM EDT Project Member

The following revision refers to this bug:
<https://chromium.googlesource.com/v8/v8/+/-/e4a580c9104e42968e8e13b8c7d933f0b2eda2a3>

commit e4a580c9104e42968e8e13b8c7d933f0b2eda2a3

Author: Georg Neis <[neis@chromium.org](#)>

Date: Tue Apr 20 16:19:42 2021

Reland "[compiler] Fix more truncation bugs in SimplifiedLowering"

This is a reland of 47077d94492cb604e3a7f02cd7c3c495ff6b713 without changes. The revert was false alarm.

Original change's description:

> [compiler] Fix more truncation bugs in SimplifiedLowering
>
> [Bug-chromium-1200409](#)
> Change-Id: I3555b6d99bdb4b4e7c302a43a82c17e8bff84ebe
> Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2840452>
> Reviewed-by: Nico Hartmann <nicohartmann@chromium.org>
> Commit-Queue: Georg Neis <neis@chromium.org>
> Cr-Commit-Position: refs/heads/master@{#74097}

[Bug-chromium-1200409](#)

Change-Id: I75cac59050bc393d157a1ee5bed776c8986a7bbe
Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2843817>
Reviewed-by: Georg Neis <neis@chromium.org>
Reviewed-by: Nico Hartmann <nicohartmann@chromium.org>
Commit-Queue: Georg Neis <neis@chromium.org>
Cr-Commit-Position: refs/heads/master@{#74105}

[modify] <https://crrev.com/e4a580c9104e42968e8e13b8c7d933f0b2eda2a3/src/compiler/simplified-lowering.cc>

Comment 9 by [sheriffbot](#) on Wed, Apr 21, 2021, 12:47 PM EDT Project Member

Labels: M-90 Target-90

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

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

Comment 10 by neis@chromium.org on Thu, Apr 22, 2021, 5:05 AM EDT Project Member

Status: Fixed (was: Started)

Comment 11 by neis@chromium.org on Thu, Apr 22, 2021, 5:06 AM EDT Project Member

Labels: Merge-Request-90 Merge-Request-91 OS-Fuchsia OS-Lacros

Comment 12 by [sheriffbot](#) on Thu, Apr 22, 2021, 5:11 AM EDT Project Member

Labels: -Merge-Request-91 Hotlist-Merge-Review Merge-Review-91

This bug requires manual review: Reverts referenced in bugdroid comments after merge request.

Before a merge request will be considered, the following information is required to be added to this bug:

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

Chrome OS Only:

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

Please contact the milestone owner if you have questions.

Owners: benmason@(Android), bindusuvama@(iOS), kbleicher@(ChromeOS), pbommana@(Desktop)

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

Comment 13 by [sheriffbot](#) on Thu, Apr 22, 2021, 5:11 AM EDT Project Member

Labels: -Merge-Request-90 Merge-Review-90

This bug requires manual review: Request affecting a post-stable build

Before a merge request will be considered, the following information is required to be added to this bug:

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

Chrome OS Only:

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

Please contact the milestone owner if you have questions.

Owners: govind@(Android), bindusuvama@(iOS), cindyb@(ChromeOS), srinivassista@(Desktop)

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

Comment 14 by srinivassista@google.com on Thu, Apr 22, 2021, 1:12 PM EDT Project Member

Please have your CL cherry-picked to M90 and ready for merge (run through dry-run CQ). Once I will review/approve these requests later today, but all approved merges need to land before Friday April 23, 12pm PT, so need your help to get the CP ready if not already done.

Comment 15 by [sheriffbot](#) on Thu, Apr 22, 2021, 1:55 PM EDT Project Member

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

Comment 16 by srinivassista@google.com on Thu, Apr 22, 2021, 2:18 PM EDT Project Member

Cc: adetaylor@chromium.org

+adetaylor@ to review

Pls answer [comment #13](#) for review

Comment 17 by adetaylor@chromium.org on Thu, Apr 22, 2021, 4:11 PM EDT Project Member

Labels: -Merge-Review-90 -Merge-Review-91 Merge-Approved-90 Merge-Approved-91

Merge approved to M91.

Merge also approved to M90, but please wait for 48 hours of Canary coverage. I imagine that means this will miss the scheduled respin which we plan to cut late this week, for release early next week, but that's OK, we should give this a little bake time.

[Comment 18](#) by [sheriffbot](#) on Mon, Apr 26, 2021, 12:15 PM EDT Project Member

This issue has been approved for a merge. Please merge the fix to any appropriate branches as soon as possible!

If all merges have been completed, please remove any remaining Merge-Approved labels from this issue.

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 19](#) by [Git Watcher](#) on Mon, Apr 26, 2021, 12:30 PM EDT Project Member

Labels: merge-merged-9.1

The following revision refers to this bug:

<https://chromium.googlesource.com/v8/v8/+e612e723a9c00541d580896eed0f8c593ac931f1>

commit [e612e723a9c00541d580896eed0f8c593ac931f1](#)

Author: Georg Neis <neis@chromium.org>

Date: Tue Apr 20 16:19:42 2021

Merged: Reland "[compiler] Fix more truncation bugs in SimplifiedLowering"

This is a reland of [47077d94492cb604e3a7f02cd7c3c495ff6b713](#) without changes. The revert was false alarm.

Original change's description:

> [compiler] Fix more truncation bugs in SimplifiedLowering

>

> [Bug-chromium-1200400](#)

> Change-Id: I3555b6d99bdb4b4e7c302a43a82c17e8bff84ebe

> Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2840452>

> Reviewed-by: Nico Hartmann <nicohartmann@chromium.org>

> Commit-Queue: Georg Neis <neis@chromium.org>

> Cr-Commit-Position: refs/heads/master@{#74097}

(cherry picked from commit [e4a580c9104e42968e8e13b8c7d933f0b2eda2a3](#))

[Bug-chromium-1200400](#)

No-Try: true

No-PreSubmit: true

No-Tree-Checks: true

Tbr: nicohartmann@chromium.org

Change-Id: I61a886ac12011bfdf9eb3ab573de783d38c9e466

Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2850933>

Reviewed-by: Georg Neis <neis@chromium.org>

Commit-Queue: Georg Neis <neis@chromium.org>

Cr-Commit-Position: refs/branch-heads/9.1@{#32}

Cr-Branched-From: [0e4ac64a8cf298b14034a22f9fe7b085d2cb238d](#)-refs/heads/9.1.269@{#1}

Cr-Branched-From: [f565e72d5ba88daae35a59d0f978643e2343e912](#)-refs/heads/master@{#73847}

[modify] <https://crrev.com/e612e723a9c00541d580896eed0f8c593ac931f1/src/compiler/simplified-lowering.cc>

[Comment 20](#) by [Git Watcher](#) on Mon, Apr 26, 2021, 12:33 PM EDT Project Member

Labels: merge-merged-9.0

The following revision refers to this bug:

<https://chromium.googlesource.com/v8/v8/+97ad04543438f7b235b21346fdd198f81028cd5e>

commit [97ad04543438f7b235b21346fdd198f81028cd5e](#)

Author: Georg Neis <neis@chromium.org>

Date: Tue Apr 20 16:19:42 2021

Merged: Reland "[compiler] Fix more truncation bugs in SimplifiedLowering"

This is a reland of [47077d94492cb604e3a7f02cd7c3c495ff6b713](#) without changes. The revert was false alarm.

Original change's description:

> [compiler] Fix more truncation bugs in SimplifiedLowering

>

> [Bug-chromium-1200400](#)

> Change-Id: I3555b6d99bdb4b4e7c302a43a82c17e8bff84ebe

> Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2840452>

> Reviewed-by: Nico Hartmann <nicohartmann@chromium.org>

> Commit-Queue: Georg Neis <neis@chromium.org>

> Cr-Commit-Position: refs/heads/master@{#74097}

(cherry picked from commit [e4a580c9104e42968e8e13b8c7d933f0b2eda2a3](#))

[Bug-chromium-1200400](#)

Tbr: nicohartmann@chromium.org

No-Try: true

No-PreSubmit: true

No-Tree-Checks: true

Change-Id: Iedddcf2d0117fa59dc9d7a3604ef203808ad2903

Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2850159>

Reviewed-by: Georg Neis <neis@chromium.org>

Commit-Queue: Georg Neis <neis@chromium.org>

Cr-Commit-Position: refs/branch-heads/9.0@{#47}

Cr-Branched-From: [bd0108b4c88e0d6f2350cb79b5f363fbd02f3eb7](#)-refs/heads/9.0.257@{#1}

Cr-Branched-From: [349bcc6a075411f1a7ce2d866c3dfeefc2efa39d](#)-refs/heads/master@{#73001}

[modify] <https://crrev.com/97ad04543438f7b235b21346fdd198f81028cd5e/src/compiler/simplified-lowering.cc>

[Comment 21](#) by neis@chromium.org on Mon, Apr 26, 2021, 12:35 PM EDT Project Member

Labels: -Merge-Approved-90 -Merge-Approved-91

[Comment 22](#) by amyressler@chromium.org on Fri, May 7, 2021, 5:20 PM EDT Project Member

Labels: Release-3-M90

Comment 23 by vsavu@google.com on Mon, May 10, 2021, 9:25 AM EDT Project Member

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

Comment 24 by amyressler@google.com on Mon, May 10, 2021, 9:54 AM EDT Project Member

Labels: CVE-2021-30513 CVE_description-missing

Comment 25 by gianluca@google.com on Wed, May 12, 2021, 12:31 PM EDT Project Member

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

Comment 26 by [Git Watcher](#) on Wed, May 12, 2021, 12:38 PM EDT Project Member

Labels: merge-merged-8.6

The following revision refers to this bug:

<https://chromium.googlesource.com/v8/v8/+d2e8de532c3969b01953f1fd4bbb422f877f586a>

commit [d2e8de532c3969b01953f1fd4bbb422f877f586a](#)

Author: Georg Neis <neis@chromium.org>

Date: Tue Apr 20 16:19:42 2021

[M86-LTS]: Reland "[compiler] Fix more truncation bugs in SimplifiedLowering"

This is a reland of [47077d94492cb604e3a7f02c0d7c3c495ff6b713](#) without changes. The revert was false alarm.

[M86]: Resolved simple conflicts.

Original change's description:

> [compiler] Fix more truncation bugs in SimplifiedLowering

>

> [Bug-chromium-1200400](#)

> Change-Id: I3555b6d99bdb4b4e7c302a43a82c17e8bff84ebe

> Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2840452>

> Reviewed-by: Nico Hartmann <nicohartmann@chromium.org>

> Commit-Queue: Georg Neis <neis@chromium.org>

> Cr-Commit-Position: refs/heads/master@{#74097}

(cherry picked from commit [e4a580c9104e42968e8e13b8c7d933f0b2eda2a3](#))

(cherry picked from commit [97ad045434387b235b21346fd198f81028cd5e](#))

[Bug-chromium-1200400](#)

Tbr: nicohartmann@chromium.org

No-Try: true

No-Presubmit: true

No-Tree-Checks: true

Change-Id: Iedddcf2d0117fa59dc9d7a3604ef203808ad2903

Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2850159>

Reviewed-by: Georg Neis <neis@chromium.org>

Commit-Queue: Georg Neis <neis@chromium.org>

Cr-Original-Commit-Position: refs/branch-heads/9.0@{#47}

Cr-Original-Branched-From: [bd0108b4c88e0d6f2350cb79b5f363fbd02f3eb7](#)-refs/heads/9.0.257@{#1}

Cr-Original-Branched-From: [349bcc6a075411f1a7ce2d866c3dfeefc2efa39d](#)-refs/heads/master@{#73001}

Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2883780>

Reviewed-by: Jana Grill <janagrill@google.com>

Commit-Queue: Victor-Gabriel Savu <vsavu@google.com>

Cr-Commit-Position: refs/branch-heads/8.6@{#95}

Cr-Branched-From: [a64aed233abf49e494d2a5ce24bbd14fff19f60](#)-refs/heads/8.6.395@{#1}

Cr-Branched-From: [a62bbc036236c9bf92ac7b87dc40c9e538b087e3](#)-refs/heads/master@{#69472}

[modify] <https://crrev.com/d2e8de532c3969b01953f1fd4bbb422f877f586a/src/compiler/simplified-lowering.cc>

Comment 27 by [Git Watcher](#) on Fri, Jun 4, 2021, 4:38 AM EDT Project Member

The following revision refers to this bug:

<https://chromium.googlesource.com/v8/v8/+928da8091fc9612a22f64015938f692a2bae8bb7>

commit [928da8091fc9612a22f64015938f692a2bae8bb7](#)

Author: Georg Neis <neis@chromium.org>

Date: Fri Jun 04 07:49:34 2021

[compiler] Add a few regression tests

Tbr: nicohartmann@chromium.org

[Bug-chromium-1198705](#), [chromium-1400345](#), [chromium-1200400](#)

Change-Id: I4a486df636e084279423e6cd3b867137bf3fd6f

Reviewed-on: <https://chromium-review.googlesource.com/c/v8/v8/+2939984>

Reviewed-by: Georg Neis <neis@chromium.org>

Commit-Queue: Georg Neis <neis@chromium.org>

Cr-Commit-Position: refs/heads/master@{#74945}

[add] <https://crrev.com/928da8091fc9612a22f64015938f692a2bae8bb7/test/mjsunit/compiler/regress-1198705.js>

[add] <https://crrev.com/928da8091fc9612a22f64015938f692a2bae8bb7/test/mjsunit/compiler/regress-1199345.js>

[add] <https://crrev.com/928da8091fc9612a22f64015938f692a2bae8bb7/test/mjsunit/compiler/regress-1200490.js>

Comment 28 by amyressler@google.com on Fri, Jun 4, 2021, 7:23 PM EDT Project Member

Labels: -CVE_description-missing CVE_description-submitted

Comment 29 by [sheriffbot](#) on Wed, Aug 18, 2021, 1:30 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

Comment 30 by pgrace@google.com on Tue, Dec 13, 2022, 3:35 PM EST (2 days ago) Project Member

Cc: nicohartmann@chromium.org

[Issue-1210101](#) has been merged into this issue.

