Ngoprek Mozilla Firefox

Siklus kontribusi kode di Mozilla Firefox
dari ujung ke ujung

MozSpace Jakarta, Januari 2020

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Kontribusi ke Proyek Upstream Skala Besar

🤬

Mozilla Firefox

Harus bisa apa?

C, C++, Java, JavaScript, HTML/CSS, Swift, Python dan lainnya

Perlu apa lagi?

- <3
- Unix/Linux, Windows, macOS, Solaris, dll
- Akses internet yang baik, perlu mengunduh berkas kode sekitar 7GB
- Minimal RAM 4GB (Rekomendasi 8GB)
- Ruang diska lega 8GB

Tarik

https://hg.mozilla.org/mozilla-central/raw-file/default/python/mozboot/bin/bootstrap.py

```
$ python bootstrap.py
```

Yang mana?

```
$ python bootstrap.py
Note on Artifact Mode:
Artifact builds download prebuilt C++ components rather than building
them locally. Artifact builds are faster!
Artifact builds are recommended for people working on Firefox or
Firefox for Android frontends, or the GeckoView Java API. They are unsuitable
for those working on C++ code. For more information see
https://developer.mozilla.org/en-US/docs/Artifact_builds.

Please choose the version of Firefox you want to build:
  1. Firefox for Desktop Artifact Mode
  2. Firefox for Desktop
  3. GeckoView/Firefox for Android Artifact Mode
  4. GeckoView/Firefox for Android
Your choice:
```

```
$ du -hs firefox-source
7.5G  firefox-source

$ cd firefox-source
$ ls | grep mach
mach
```
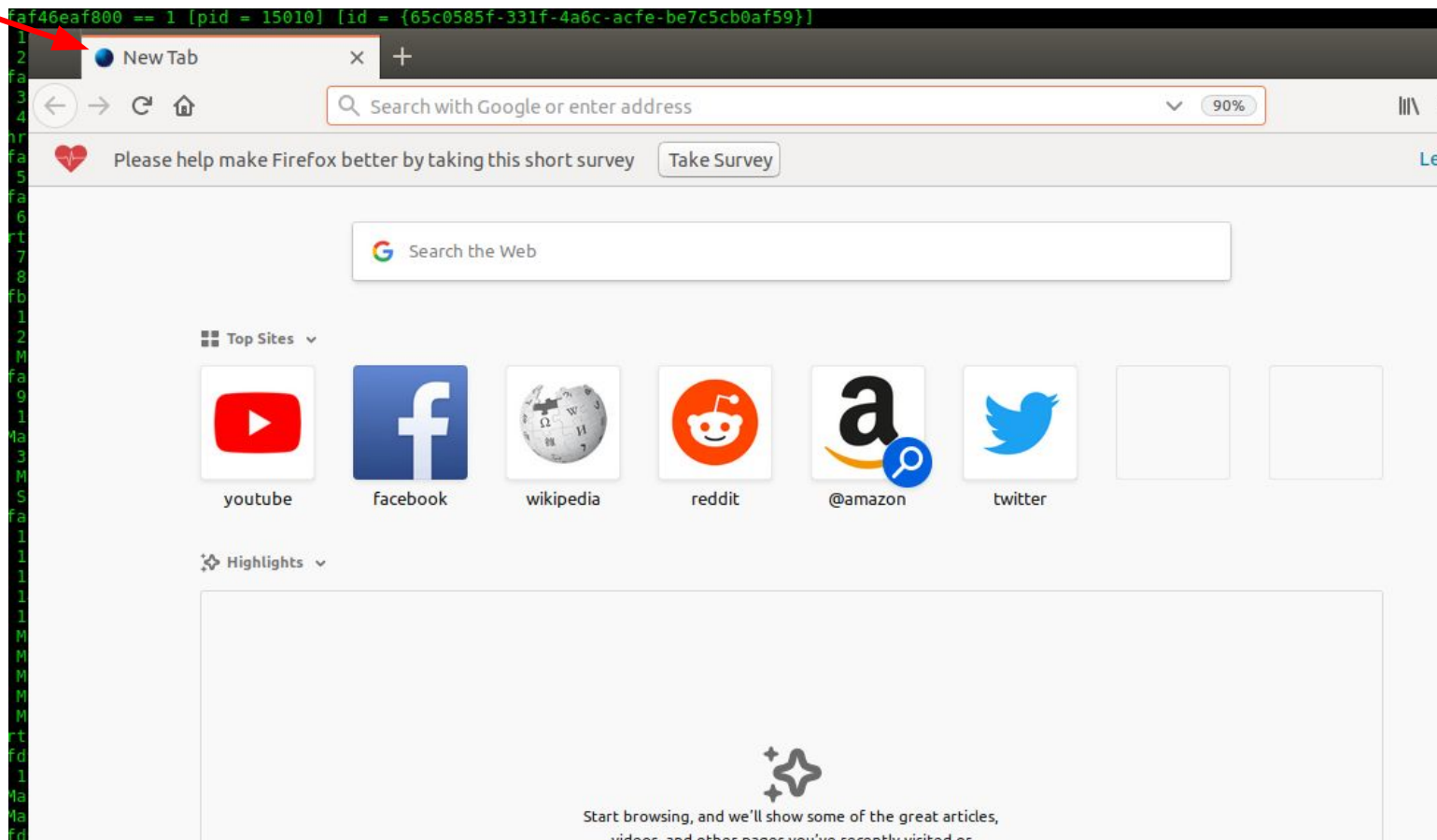
~~make~~ mach

Bangun

```
$ ./mach build
```

Jalankan

```
$ ./mach run
```

Nightly! 🤮

af46eaf800 == 1 [pid = 15010] [id = {65c0585f-331f-4a6c-acfe-be7c5cb0af59}]

New Tab

Q Search with Google or enter address

90%

Please help make Firefox better by taking this short survey   Take Survey

G Search the Web

■■ Top Sites ∨

youtube   facebook   wikipedia   reddit   @amazon   twitter

✦ Highlights ∨

Start browsing, and we'll show some of the great articles,

Berburu Kutu

https://bugzilla.mozilla.org/describecomponents.cgi

Which product and component would you like to have described?

Find product and component:

Search by product and component

or choose from the following selections

Core

Shared components used by Firefox and other Mozilla software, including handling of Web content; Gecko, HTML, CSS, layout, DOM, scripts, images, networking, etc. Issues with web page layout probably go here, while Firefox user interface issues belong in the Firefox product. (More info)

Firefox

For bugs in Firefox Desktop, the Mozilla Foundation's web browser. For Firefox user interface issues in menus, bookmarks, location bar, and preferences. Many Firefox bugs will either be filed here or in the Core product. Bugs for developer tools (F12) should be filed in the DevTools product. (more info)

Firefox for Android

Firefox for Android is a mobile version of Firefox for Android devices. (more info)

Firefox for iOS

Firefox for iOS is the Firefox mobile experience developed for the iOS platform.

DevTools

For bugs in Firefox DevTools, the developer tools within the Firefox web browser. This includes issues about the user interface of the toolbox, special pages such as about:debugging and about:devtools, and developer-related APIs.

WebExtensions

File feature requests and bugs related to the WebExtension add-on API.

Toolkit

The Mozilla Toolkit is a set of APIs, built on top of Gecko, which provide advanced services to XUL applications. These services include Profile Management, Chrome Registration, Browsing History, Extension and Theme Management, Application Update Service, and Safe Mode. (More info)

GeckoView

The GeckoView components for Android

Mozilla Localizations

Data Platform and Tools

Firefox

For bugs in Firefox Desktop, the Mozilla Foundation's web browser. For Firefox user interface issues in menus, bookmarks, location bar, and preferences. Many Firefox bugs will either be filed here or in the Core product. Bugs for developer tools (F12) should be filed in the DevTools product. (more info)

Select a component to see open bugs in that component:

Activity Streams: Application Servers
Bugs for the development of our application servers for activity streams including our metrics collection front-ends (onyx), our content management system (splice) and our data processing rules (infernyx)

Activity Streams: General
General Activity Streams bugs

Activity Streams: Newtab
Bugs for the newtab page activity streams implementation

Activity Streams: Server Operations
Bugs for server infrastructure supporting our application servers for activity streams

Activity Streams: Timeline
Bugs for the Timeline page activity streams implementation

Address Bar
For bugs in the Firefox "Smart Location Bar" (aka Awesome Bar) UI element, including the bookmark and history autocomplete matching behavior.

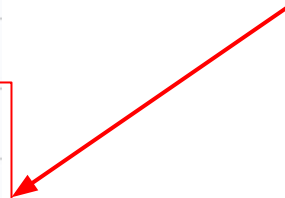m Bugzilla | Search Bugs | Browse | Advanced Search | >> | New Account | Log In | Forgot Password

Component: Disability Access   **Product:** Firefox   **Resolution:** ---

130 bugs found.

ID	Type	Summary	Product	Comp	Assignee▲	Status ▲	Resolution	Updated
724477	⚙	The sub-menu of 'Character encoding' can't be read by orca speech	Firefox	Disability Access	nobody	UNCO	---	2012-02-07
1436026	⚙	No way to focus the Firefox alerts via keyboard	Firefox	Disability Access	nobody	UNCO	---	2018-04-16
1206443	⚙	We immediately warn about reload prevention even for reloads scheduled for a long time from now (e.g. 20 minutes) with no indication to the user	Firefox	Disability Access	nobody	UNCO	---	2018-01-31
1437434	➕	Add option to narrate text when text is selected like in read mode	Firefox	Disability Access	nobody	UNCO	---	2018-04-16
399646	⚙	Tabs do not resize when using large font, high contrast themes	Firefox	Disability Access	nobody	UNCO	---	2011-05-14
405113	⚙	For all secured sites(a bank, or ebay or verisign or google when there is something per.»« Authsonnal) a window appears saying: «XYZ received a message with an authentification code of incorrect message	Firefox	Disability Access	nobody	UNCO	---	2019-05-23
408171	➕	need PERSISTANT handicapped reading mode: MULTI FUNCTION WITH USER PRESETS OPTIONS PAGE	Firefox	Disability Access	nobody	UNCO	---	2019-05-10
451410	⚙	Mouse doesn't work in popup window if the background is a map. It works fine in firefox2.0.0.16.	Firefox	Disability Access	nobody	UNCO	---	2011-02-22
465361	➕	incremental link search should prioritize visible links	Firefox	Disability Access	nobody	UNCO	---	2013-03-19
470158	⚙	Alert accessible event should not be fired for bookmark page dialog	Firefox	Disability Access	nobody	UNCO	---	2011-05-14
471231	⚙	Need font size-changing for hi-res displays	Firefox	Disability Access	nobody	UNCO	---	2019-02-07
471441	⚙	Accessibility cannot grab F11 key	Firefox	Disability Access	nobody	UNCO	---	2011-11-10
490334	⚙	Cups instances disappear in Print dialog	Firefox	Disability Access	nobody	UNCO	---	2015-09-18
495721	⚙	View>Page Style>No Style shouldn't mess with table borders	Firefox	Disability Access	nobody	UNCO	---	2009-05-31
540155	⚙	make dpi settings more convenient, don't use interpolation to scale icons	Firefox	Disability Access	nobody	UNCO	---	2011-02-12
558282	⚙	Floating un-ordered list boxes do not correctly implement Microsoft Active Accessibility	Firefox	Disability Access	nobody	UNCO	---	2011-02-12
572291	⚙	Double Numbers Displayed on Webpage in Speech Recognition	Firefox	Disability Access	nobody	UNCO	---	2010-09-23
574317	⚙	Handle to the window that is displaying the caret is 0 when moving caret in WYSIWYG editor.	Firefox	Disability Access	nobody	UNCO	---	2011-03-11
580562	➕	access keys: please provide mechanism at least as good as Konqueror	Firefox	Disability Access	nobody	UNCO	---	2016-05-04
585509	⚙	Adjusting font size under Edit->Preferences->Content->Fonts and Colors does not alter font size in textarea.	Firefox	Disability Access	nobody	UNCO	---	2015-08-31
589107	⚙	Old Menu visible when pressing alt, is not readable	Firefox	Disability Access	nobody	UNCO	---	2010-08-20
611402	⚙	XUL:menulist and HTML:select should follow native GtkComboBox keyboard accessibility	Firefox	Disability Access	nobody	UNCO	---	2010-11-11
625327	⚙	"No" button in "Cancel Upgrade of <Plugin>" dialog is cut in High contrast Mode	Firefox	Disability Access	nobody	UNCO	---	2011-03-21
634909	⚙	JAWS 12 does not read dialog content intermittently. (seems wrong role returned by FF)	Firefox	Disability Access	nobody	UNCO	---	2011-03-23
653366	⚙	Background of the newly loaded page is white for a few seconds on black high contrast color scheme	Firefox	Disability Access	nobody	UNCO	---	2011-04-28
666544	⚙	presence of html5 required attribute = alert low and alert high states	Firefox	Disability Access	nobody	UNCO	---	2016-10-27
686301	⚙	Mozilla Firefox 4+ issue with JAWS. FF not reporting tooltip text/alert for dijit.form.ValidationTextBox	Firefox	Disability Access	nobody	UNCO	---	2011-09-12
698710	⚙	In high contrast mode, "border-width" does not work for some elements like "input", "select"	Firefox	Disability Access	nobody	UNCO	---	2017-02-07
705744	⚙	Pop-up window closes on Accessibility API call	Firefox	Disability Access	nobody	UNCO	---	2011-11-28
720080	⚙	Firefox does not respect "Simulated Secondary Click" in Ubuntu	Firefox	Disability Access	nobody	UNCO	---	2016-01-11
737015	⚙	View>Stop and View>Reload menu items are missing on Linux	Firefox	Disability Access	nobody	UNCO	---	2012-11-20
788428	⚙	ARIA alertdialog role does not fire system alert event when its visibility changes from hidden to visible	Firefox	Disability Access	nobody	UNCO	---	2019-04-02

Assignee ▼
amarchesini
amarchesini
ehsan
ewright
ewright
jhofmann
kdubost
nobody
nobody
nobody

Kasian nganggur

Prioritas

Lihat label P3, P2, P1

~~Git~~ Mercurial

Komparasi

```
master

git init

git diff

git checkout branchname

git branch

git tag

git commit -m 'commit message'
```

```
default

hg init

hg diff

hg up branchname

hg branches

hg tags

hg commit -m 'commit message'
```

Happy Hacking!

Pola Pesan *Commit*

```
hg commit -m 'Bug 1548076. Let the devtools gain focus even if the click hits an empty area on UI. r=jdescottes'
```

Nomor tiket yang sedang disikat

Pesan *commit*

Peninjau

Referensi Peninjau Kode

https://wiki.mozilla.org/Modules/All

Name:	DevTools (#)
Description:	Mozilla Developer Tools
Owner:	Patrick Brosset⌗, Joe Walker⌗
Peer(s):	Paul Rouget⌗, Panagiotis Astithas⌗, Mike Ratcliffe⌗, Victor Porof⌗, Nick Fitzgerald⌗, Jim Blandy⌗, Alex Poirot⌗, Brian Grinstead⌗, J. Ryan Stinnett⌗, Jan Keromnes⌗, Tim Nguyen⌗, Jordan Santell⌗, Lin Clark⌗, Jason Laster⌗, Jan 'Honza' Odvarko⌗, Julian Descottes⌗, Greg Tatum⌗, Gabriel Luong⌗, Nicolas Chevobbe⌗, Yulia Startsev⌗, Soledad Penadés⌗, Julien Wajsberg⌗, Razvan Caliman⌗, Micah Tigley⌗
Peer(s) Emeritus:	*Mihai Șucan, Rob Campbell, Heather Arthur, Anton Kovalyov, Brandon Benvie, Eddy Bruel, James Long, Matteo Ferretti, Steve Fink (heapsnapshot code), Jaroslav Šnajdr, Tom Tromey*
Source Dir(s):	devtools
Bugzilla Component(s):	Firefox::Developer Tools
URL(s):	https://wiki.mozilla.org/DevTools ᵐ
Discussion Group:	dev-developer-tools⌗

Dorong

```
$ moz-phab

Submitting 1 commit for review:
479860:7fe3d910ba4c Bug 1548076. Let the devtools gain focus even if the click hits an empty area on
UI. r=jdescottes
Submit to Phabricator (YES/No/Always)?
```

Phabricator

https://phabricator.services.mozilla.com/

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📁 **rMOZILLACENTRAL mozilla-central**
1c648ea20bfa: Bug 1609699 - Rename browser.urlbar.searchTips pref to browser.urlbar.update1.

571,720 Commits

Fri, Jan 17, 4:07 PM
Mercurial

📁 **rNSS nss**
9d1ced9ae01e: Bug 1606992 - Permit sftk_PBELockInit being called multiple times. r=kjacobs

15,476 Commits

Fri, Jan 17, 3:40 PM
Mercurial

📁 **rVCT version-control-tools**
548ae9caadb1: Bug 1609141 - Add emilio to the webidl hook. r=peterv,sheehan

7,438 Commits

Fri, Jan 17, 1:51 PM
Mercurial

📁 **rCICONFIG ci-configuration**
93251d3fddde: Bug 1609900 - Allow bugzilla-dashboard-backend hooks to read a configuration...

584 Commits

Fri, Jan 17, 1:02 PM
Mercurial

Recent Activity

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📅 **Today**

B **bzbarsky** added inline comments to D60219: Bug 1609861 part 1. Stop using NS_ERROR_DOM_TYPE_ERR in MediaSource::SetLiveSeekableRange. r=jya.

⚙ Fri, Jan 17, 4:24 PM

B **bzbarsky** committed

rMOZILLACENTRALc48abb38a7d3: Bug 1609858. Stop using NS_ERROR_DOM_TYPE_ERR in TimingParams. r=smaug.

Bug 1609858. Stop using NS_ERROR_DOM_TYPE_ERR in TimingParams. r=smaug

</> Fri, Jan 17, 4:22 PM

B **bzbarsky** closed D60216: Bug

Peninjauan Kode

(Contoh: https://phabricator.services.mozilla.com/D35686)

HerpikoDwiAguno added a comment.   Jun 24 2019, 5:48 PM

Previous diff, ⚙ https://phabricator.services.mozilla.com/D35620

@jdescottes I've spotted any possible blank spaces in the toolbox, storage and performance tool UIs and gave them `-moz-user-focus: normal` . The dotted border style is hidden so the appearance won't change.

I tried to navigate by keyboard on toolbox tabs, from Console get focused first then move to other tools and it still works.

✓ **jdescottes** accepted this revision.   Jun 25 2019, 3:22 PM

➕ **jdescottes** added a subscriber: **yzen**.

Thanks a lot! This looks good to me, just a couple nits.
I will also ask @yzen to give us feedback for the accessibility.

Dorong lagi

```
$ hg commit --amend
```

```
$ moz-phab submit
```

Landing

(Contoh: https://hg.mozilla.org/integration/autoland/rev/a22e6caaafe1)

jdescottes added a comment. Jun 27 2019, 10:58 AM ▾

> In ~~D35686#1075464~~, **@HerpikoDwiAguno** wrote:
>
> **@jdescottes** *I've updated the revision.*
> *Now I get used to moz-phab. :)*

I can see that :) Thanks for updating, I will queue your patch for landing. It should land in Firefox 69 if all goes well!

⬦ **devtools/client/themes/storage.css**

➤ 18–33   I am only noticing this now, but we probably should have grouped those rules. I will file a follow up bug for that. Maybe we should even have a shared class.

Rilis

Ulangi

Bagaimana bila saya
belum mampu menulis kode program?

Terima kasih

Referensi,

https://wiki.mozilla.org/Contribute

https://aguno.xyz/2019/contributing-to-mozilla-codebase/

🥹