

Homebrew's Evolution



Mike McQuaid

Background











Mike McQuaid

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Install from API





`git fetch`



`curl .json`

JSON API Documentation

Metadata

List metadata for all Homebrew/core formulae or Homebrew/cask casks

List the `brew info --json --all` output for all current Homebrew/homebrew-core formulae or Homebrew/homebrew-cask casks.

```
GET https://formulae.brew.sh/api/formula.json
GET https://formulae.brew.sh/api/cask.json
```

Response

```
[
  ...
  {
    "name": "wget",
    "full_name": "wget",
    "tap": "homebrew/core",
```

formulae.brew.sh/docs/api/

```
$ unset HOMEBREW_NO_AUTO_UPDATE
```

```
$ unset HOMEBREW_NO_INSTALL_FROM_API
```

```
$ unset HOMEBREW_AUTO_UPDATE_SECS
```

```
$ brew untap homebrew/core
```

```
$ brew untap homebrew/cask
```


InfluxDB Analytics





Google Analytics



**Self-Hosted EU
Analytics**

Formula Install Events (30 days)

/api/analytics/install/30d.json (JSON API)

Start Date: 2023-12-24

Total Events: 17527799

	Formula	Events	%
#1	openssl@3	333,578	1.90%
#2	ca-certificates	282,785	1.61%
#3	python@3.11	266,655	1.52%
#4	gettext	198,789	1.13%
#5	xz	197,044	1.12%
#6	node	186,735	1.07%
#7	readline	184,250	1.05%
#8	glib	180,651	1.03%
#9	sqlite	180,067	1.03%
#10	jpeg-xl	164,167	0.94%
#11	aom	161,097	0.92%
#12	little-cms2	160,104	0.91%

formulae.brew.sh/analytics/install/30d/

Better Performance





brew update



brew upgrade
























brew fetch

Name	Last commit message	Last commit date
..		
a	awscli: update 2.15.13 bottle.	7 hours ago
b	bkcrack: update 1.6.1 bottle.	11 hours ago
c	cdk8s: update 2.198.35 bottle.	20 minutes ago
d	dvc: update 3.41.0 bottle.	7 hours ago
e	Merge pull request #160689 from timsutton/fb-bump-2024.01.22.00	3 hours ago
f	Merge pull request #160689 from timsutton/fb-bump-2024.01.22.00	3 hours ago
g	Merge pull request #160653 from Porkepix/bump-gf-2.6.2	15 minutes ago
h	htm: update 0.35.2 bottle.	11 hours ago
i	ipfs: update 0.26.0 bottle.	15 hours ago
j	jaq: update 1.3.0 bottle.	20 hours ago
k	Merge pull request #160596 from sunny0826/bump-kubecm-0.28.0	yesterday
l	leaf-proxy: update 0.10.9 bottle.	14 hours ago
lib	libzdb: update 3.2.3_3 bottle.	7 hours ago
m	Merge pull request #160689 from timsutton/fb-bump-2024.01.22.00	3 hours ago
n	Merge pull request #160641 from dnhn/bump-node-21.6.1	10 hours ago
o	okteto: update 2.24.1 bottle.	19 minutes ago
p	pnpm: update 8.14.3 bottle.	19 minutes ago
q	questdb: update 7.3.9_1 bottle.	4 days ago

github.com/Homebrew/homebrew-core

BrewTestBot Merge pull request #165055 from BrewTestBot/bump-skype-8.111.0.607 aed176d · 19 minutes ago History

Name	Last commit message	Last commit date
..		
0	Move all remaining casks to sharded subdirectories.	5 months ago
1	115browser 26.0.2.5	2 weeks ago
3	360safe: use deprecate! instead of discontinued	last month
4	4k-video-downloader 4.29.0	yesterday
5	Move all remaining casks to sharded subdirectories.	5 months ago
7	7777 1.1.14	4 months ago
8	8x8-work 8.9.3-1	5 days ago
a	Merge pull request #165044 from akuity/akuity-0.10.0	11 hours ago
b	busycal 2024.1.1	5 hours ago
c	cursor 0.23.6	8 hours ago
d	Merge pull request #165030 from setaskin/bump-devtunnel-1.0.1160+d54a...	11 hours ago
e	Merge pull request #165039 from chenrui333/bump-eobcanka-3.4.1	11 hours ago
f	Merge pull request #165033 from chenrui333/bump-freeplane-1.11.10	11 hours ago
g	gpxsee 13.15	13 hours ago
h	Merge pull request #164914 from issyl0/rubocop-cask-array-alphabetiza...	yesterday
i	ipfs 0.33.0	13 hours ago
j	jupyterlab 4.0.11-1	14 hours ago
k	Merge pull request #164914 from issyl0/rubocop-cask-array-alphabetiza...	yesterday

Name	Last commit message	Last commit date
 ..		
 a-better-finder-attributes.rb	a-better-finder-attributes 7.29	last month
 a-better-finder-rename.rb	Update a-better-finder-rename.rb	last month
 a-slower-speed-of-light.rb	a-slower-speed-of-light: use deprecate! instead of discontinued	last month
 abbyy-finereader-pdf.rb	abbyy-finereader-pdf: livecheck adjustments	yesterday
 ableton-live-intro.rb	ableton-live-intro 11.3.20	2 weeks ago
 ableton-live-lite.rb	ableton-live-lite 11.3.20	2 weeks ago
 ableton-live-standard.rb	ableton-live-standard 11.3.20	2 weeks ago
 ableton-live-suite.rb	ableton-live-suite: Fix RuboCop Cask/ArrayAlphabetization offenses	3 days ago
 abscissa.rb	Move all remaining casks to sharded subdirectories.	5 months ago
 abstract.rb	abstract 98.3.1	last month
 abysssoft-teleport.rb	Move all remaining casks to sharded subdirectories.	5 months ago
 accessmenubarapps.rb	Move all remaining casks to sharded subdirectories.	5 months ago
 accord.rb	Move all remaining casks to sharded subdirectories.	5 months ago
 accordance.rb	accordance 14.0.8	3 months ago
 accurics.rb	accurics 1.0.51	last week
 ace-link.rb	ace-link 2.0.6	3 months ago
 acorn.rb	acorn 7.4.3	4 months ago
 acronis-true-image.rb	Move all remaining casks to sharded subdirectories.	5 months ago
 active-trader-pro.rb	Update active-trader-pro.rb	3 months ago
 activedock.rb	activedock 2.5	3 months ago

github.com/Homebrew/homebrew-cask/tree/master/Casks/a

Ruby 3.1



```
$ brew config | grep Ruby
```

```
Homebrew Ruby: 3.1.4 =>
```

```
/opt/homebrew/Library/Homebrew/vendor/portable-ruby/3.1.4/bin/ruby
```


Homebrew.pkg





Welcome to the Homebrew Installer

- **Introduction**
- Licence
- Destination Select
- Installation Type
- Installation
- Summary

This package will install to:

- `/opt/homebrew` on Apple Silicon
- `/usr/local/bin/brew` and `/usr/local/Homebrew` on Intel



Go Back

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Workbrew.pkg





Welcome to the Workbrew Installer

- **Introduction**

- Licence

- Destination Select

- Installation Type

- Installation

- Summary

This package will install the Workbrew Agent to:

- /opt/workbrew/bin/brew
- /opt/workbrew/paths.d/workbrew
- /opt/workbrew/sudoers.d/workbrew
- /opt/workbrew/newsyslog.d/workbrew.conf

It will install the Workbrew uninstaller to:

- /opt/workbrew/sbin/uninstall

It will create a workbrew user with the home directory:

- /opt/workbrew/home

It will install Homebrew, owned by the workbrew user, to:

- /opt/homebrew on Apple Silicon
- /usr/local/bin/brew and /usr/local/Homebrew on Intel

If you have not already, please write your Workbrew Console Workspace's API key to:

```
"/opt/workbrew/home/Library/Application Support/  
com.workbrew.workbrew-agent/api_key"
```



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Workbrew

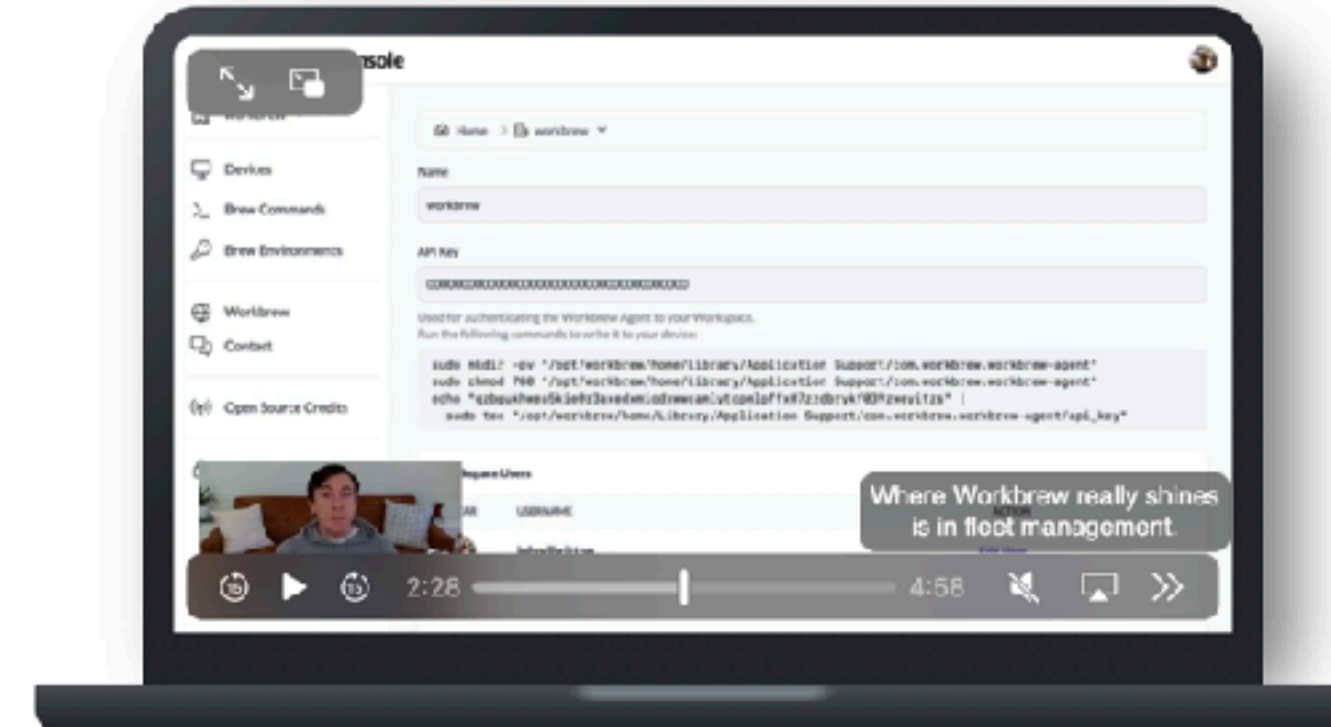
The missing features and support for companies using [Homebrew](#)

Get in touch →

New Demo

Workbrew Private Beta

-  **Workbrew Console**
Monitor macOS devices, run Homebrew commands and set Homebrew configuration for your entire fleet.
-  **Workbrew Agent**
Run Homebrew as a dedicated user for improved security and periodically report device status to the Workbrew Console.
-  **Workbrew Installer**
Installs Homebrew, the Workbrew Installer and Workbrew Agent through a standard macOS .pkg installer before any users are created on the machine.



Deploy, Secure and Manage your Homebrew Fleet

Engineers love Homebrew because they can quickly install what they need in their macOS, Linux or Windows Subsystem for Linux (WSL) terminal. Over 35 million users are installing over 15,000 available packages with a world-class developer experience.

Your company will love Workbrew because your fleet of all machines using Homebrew will have faster onboarding, quickly mitigated security vulnerabilities and consistency in Homebrew usage across your teams and projects.



workbrew.com

2024?

 **Better conflicts handling?**

 **Better JSON API (v3)?**

 **Better ABI handling?**

2024?



Your pull request?



Your bug report?



Your feature request?

Questions?



mike@brew.sh