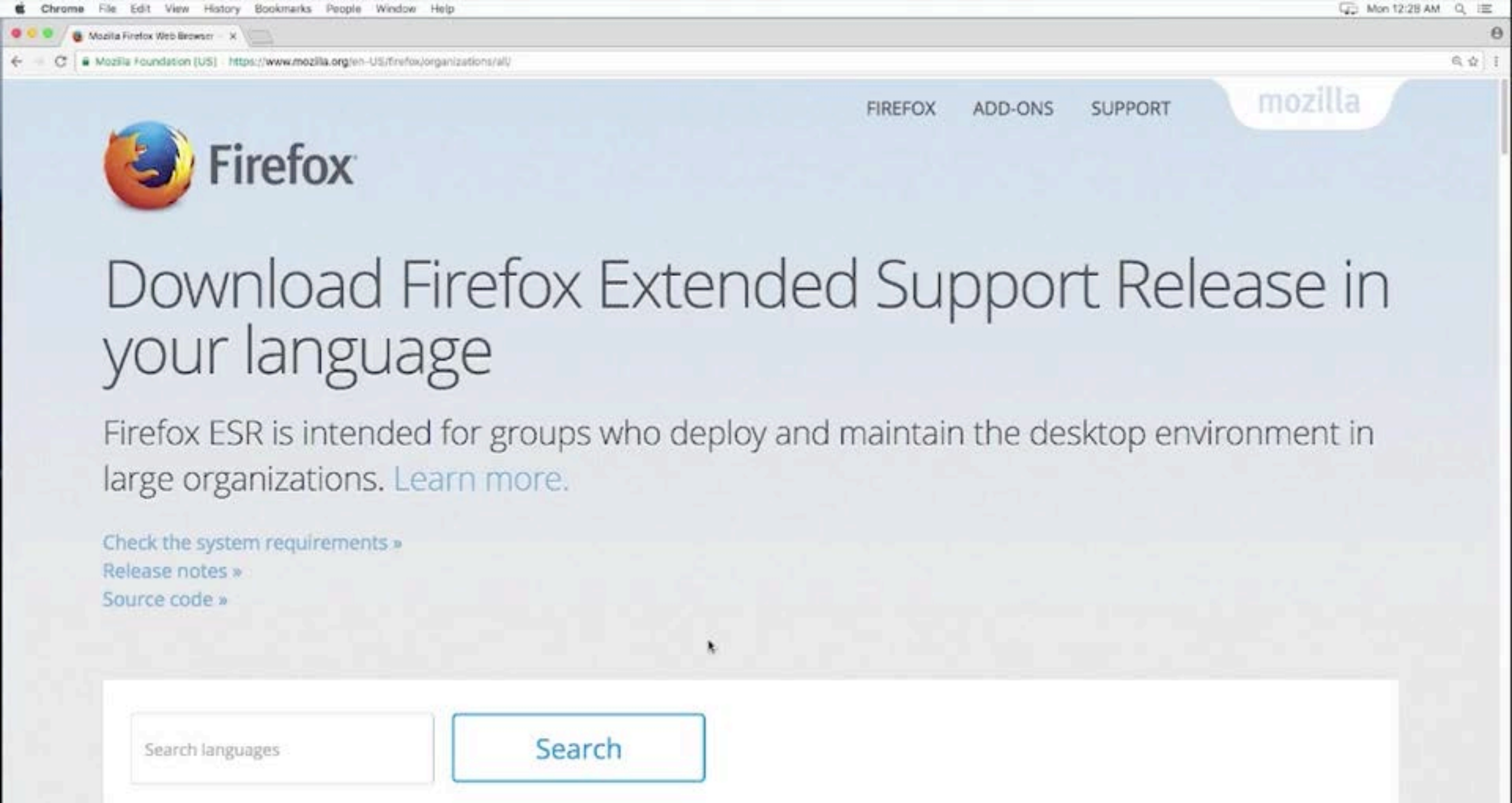
Software Installation:
MacOS
Capstone: Photo Tourist Web Application
JOHNS HOPKINS
WHITING SCHOOL

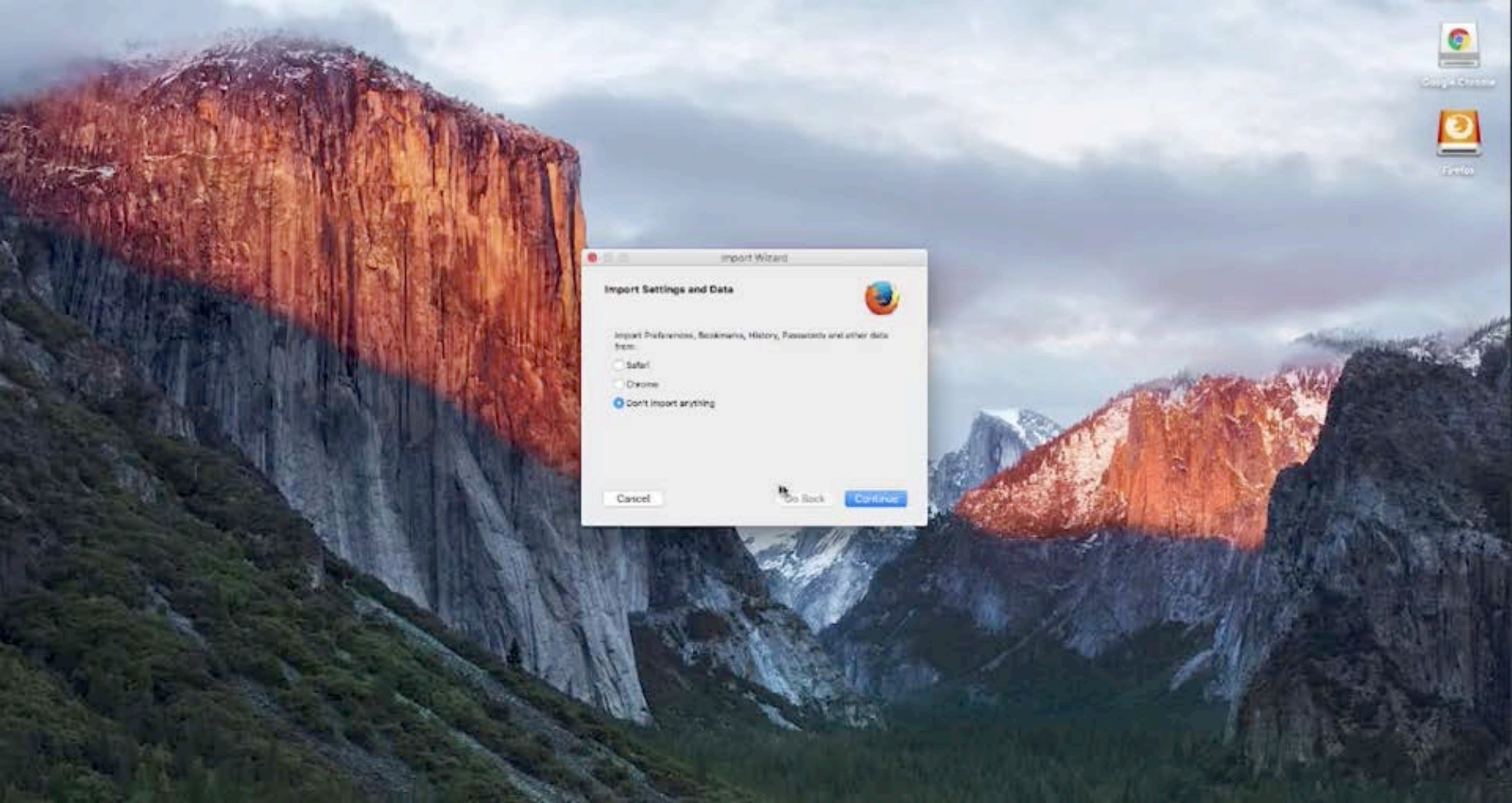
Development Environment Software to Install

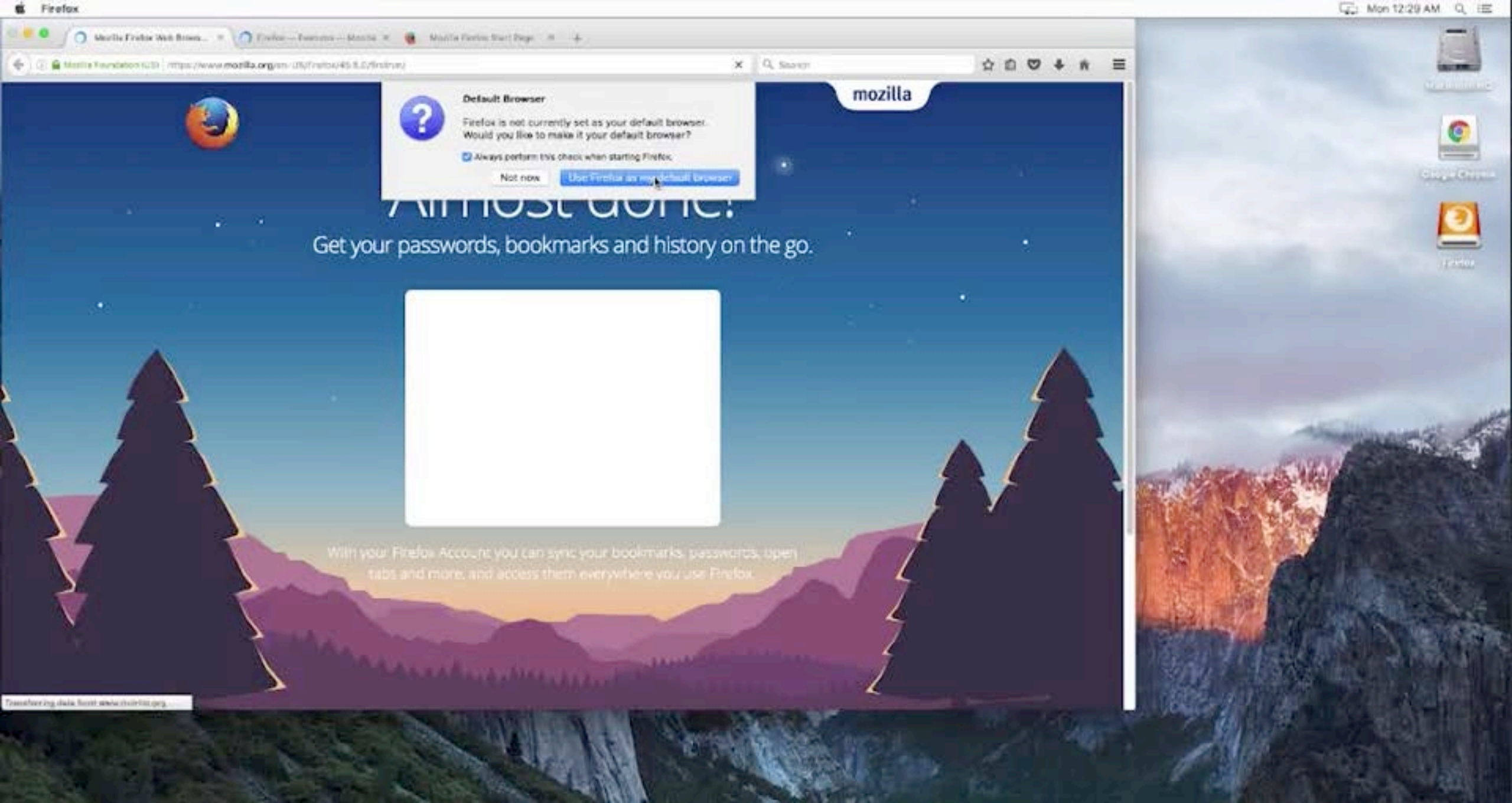
- Chrome (latest) - assumed
- Firefox (v45.x ESR)
- Homebrew
- Git (latest)
- Ruby (>= v2.2)
- PostgreSQL (latest)
- MongoDB (latest)
- Node.js (latest)
- ImageMagick (v6.9.x)
- PhantomJS (v2.1.1)
- Chrome Driver (v2.25)
- Editor (Sublime Text 3)
- Rails (v4.2.6)
- Rails-api
- Bundler

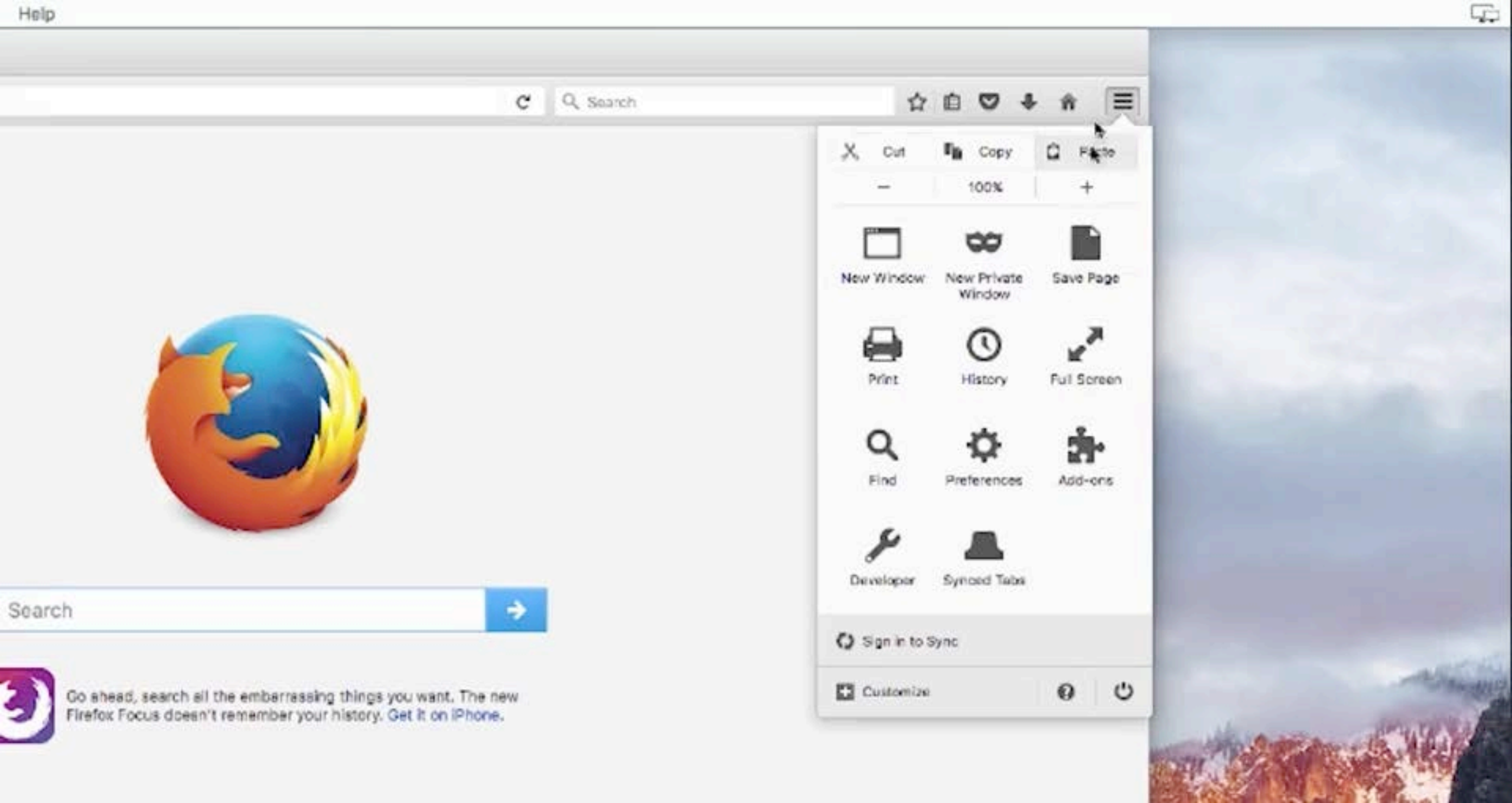

Chrome File Edit View History Bookmarks People Window Help
Mon 12:28 AM
Mozilla Firefox Web Browser
Mozilla Foundation [US] https://www.mozilla.org/en-US/firefox/organizations/all/
FIREFOX ADD-ONS SUPPORT
mozilla
Firefox
Download Firefox Extended Support Release in your language
Firefox ESR is intended for groups who deploy and maintain the desktop environment in large organizations. Learn more.
Check the system requirements »
Release notes »
Source code »
Search languages
Search

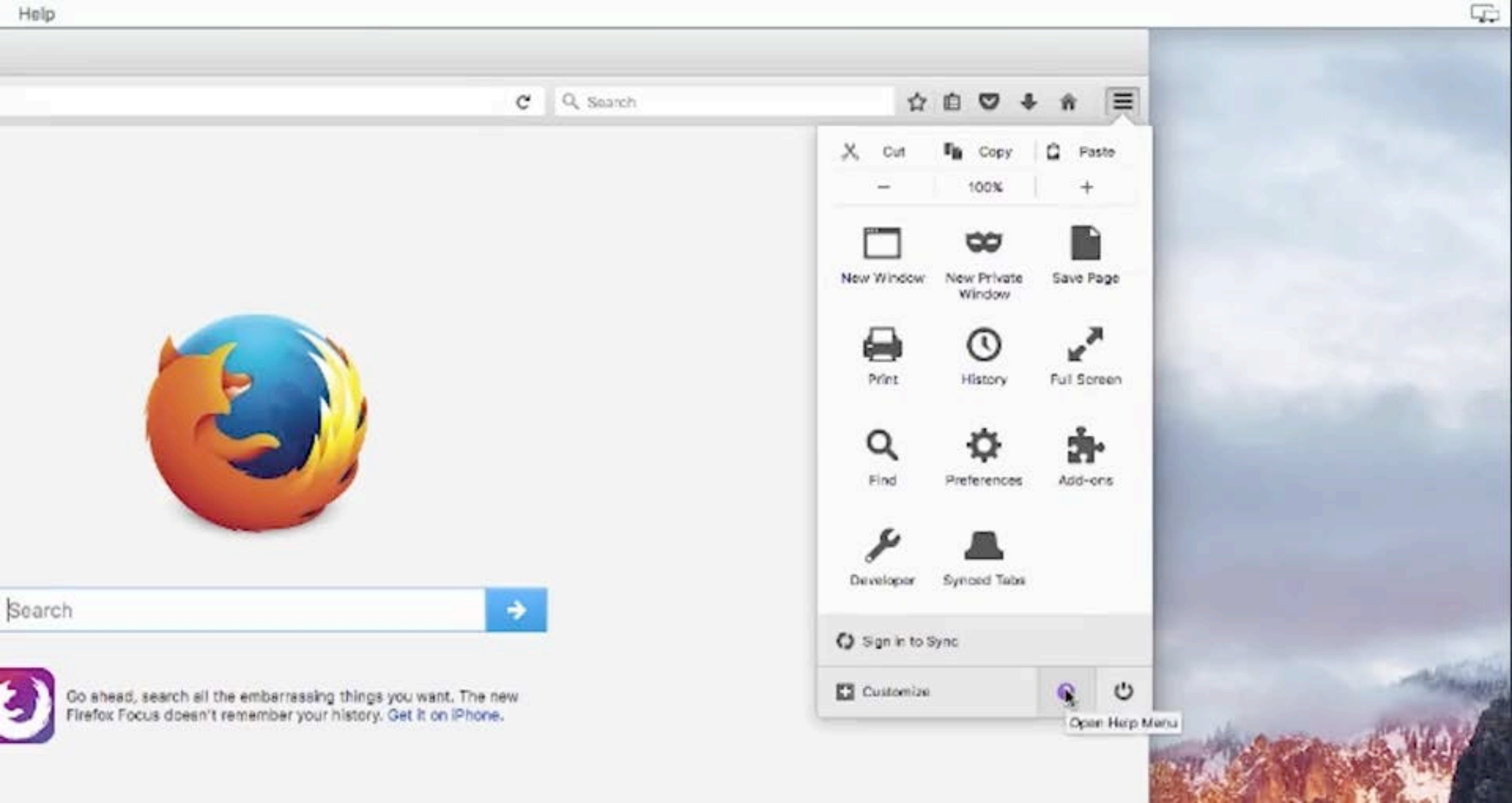
Croat		Download	Download	Download	Download	Download
Czech		Download	Download	Download	Download	Download
Danis		Download	Download	Download	Download	Download
Dutch	Nederlands	Download	Download	Download	Download	Download
English (British)	English (British)	Download	Download	Download	Download	Download
English (South African)	English (South African)	Download	Download	Download	Download	Download
English (US)	English (US)	Download	Download	Download	Download	Download
Esperanto	Esperanto	Download	Download	Download	Download	Download
Estonian	Eesti keel	Download	Download	Download	Download	Download

Safari
Mail
Contacts
Calendar
Reminders
Notes
Maps
Messages
FaceTime
Photo Booth
Photos
Game Center
iTunes
Books
App Store
Preview
Dictionary
Calculator
Other
Mission Control
Dashboard
System Preferences
Google Chrome
Firefox


Import Wizard
Import Settings and Data
Import Preferences, Bookmarks, History, Passwords and other data from:
Safari
Chrome
Don't import anything
Cancel
Go Back
Continue


Firefox
Mon 12:29 AM
Default Browser
Firefox is not currently set as your default browser.
Would you like to make it your default browser?
Always perform this check when starting Firefox
Not now
mozilla
Get your passwords, bookmarks and history on the go.
With your Firefox Account you can sync your bookmarks, passwords, open tabs and more, and access them everywhere you use Firefox.


Help
Search
Cut
Copy
Paste
100%
New Window
New Private Window
Save Page
Print
History
Full Screen
Find
Preferences
Add-ons
Developer
Synced Tabs
Sign in to Sync
Customize
Search
Go ahead, search all the embarrassing things you want. The new Firefox Focus doesn't remember your history. Get it on iPhone.


Help
Search
Cut
Copy
Paste
100%
New Window
New Private Window
Save Page
Print
History
Full Screen
Find
Preferences
Add-ons
Developer
Synced Tabs
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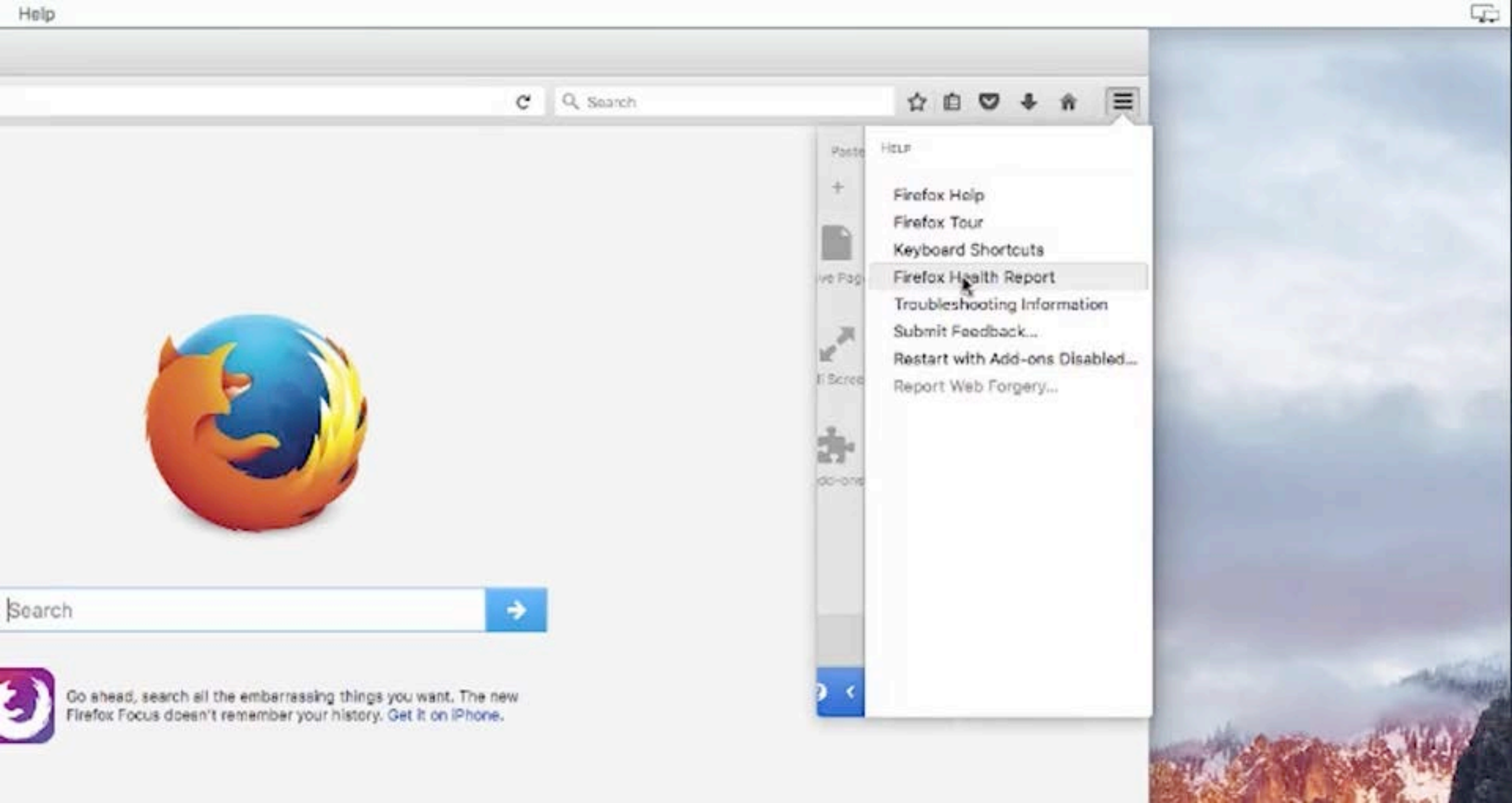
Help
Search
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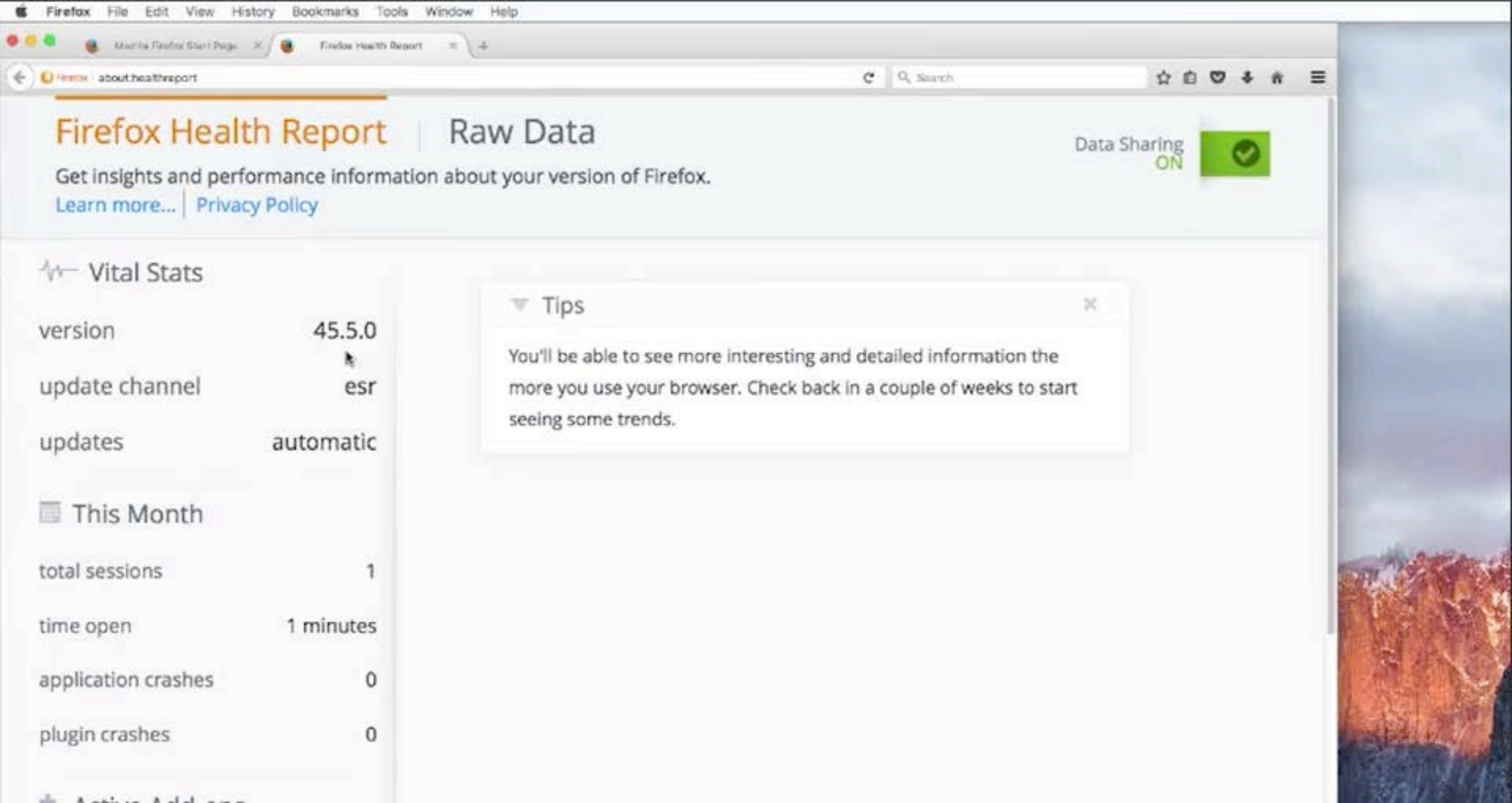
Go ahead, search all the embarrassing things you want. The new Firefox Focus doesn't remember your history. Get it on iPhone.
Help
Firefox Help
Firefox Tour
Keyboard Shortcuts
Firefox Health Report
Troubleshooting Information
Submit Feedback...
Restart with Add-ons Disabled...
Report Web Forgery...


Firefox File Edit View History Bookmarks Tools Window Help
about:healthreport
Search
Firefox Health Report | Raw Data
Data Sharing ON
Get insights and performance information about your version of Firefox.
Learn more... | Privacy Policy
Vital Stats
version 45.5.0
update channel esr
updates automatic
This Month
total sessions 1
time open 1 minutes
application crashes 0
plugin crashes 0
Tips
You'll be able to see more interesting and detailed information the more you use your browser. Check back in a couple of weeks to start seeing some trends.

Overview
Installing Homebrew
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Final Steps
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Ember Features and Where to Find Them

Setup Ruby On Rails on macOS 10.12 Sierra

A guide to setting up a Ruby on Rails development environment

Mac OS X 10.12 Mac OS X 10.11 Mac OS X 10.10 Mac OS X 10.9 Ubuntu Windows

Overview

This will take about 30 minutes.

We will be setting up a Ruby on Rails development environment on macOS 10.12 Sierra.

Older versions of OS X are mostly compatible so follow along as far as you can and then Google search for any problems you run into. There are plenty of people who have documented solutions for them.

Installing Homebrew

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Setup Ruby On Rails on Mac OS X 10.11 El Capitan

A guide to setting up a Ruby on Rails development environment

Mac OS X 10.12 | Mac OS X 10.11 | Mac OS X 10.10 | Mac OS X 10.9 | Ubuntu | Windows

Overview

This will take about 30 minutes.

We will be setting up a Ruby on Rails development environment on Mac OS X 10.11 El Capitan.

Older versions of OS X are mostly compatible so follow along as far as you can and then Google search for any problems you run into. There are plenty of people who have documented solutions

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We will be setting up a Ruby on Rails development environment on Mac OS X 10.11 El Capitan.

Older versions of OS X are mostly compatible so follow along as far as you can and then Google search for any problems you run into. There are plenty of people who have documented solutions for them.

Installing Homebrew

First, we need to install Homebrew. Homebrew allows us to install and compile software packages easily from source.

Homebrew comes with a very simple install script. When it asks you to install XCode CommandLine Tools, say yes.

Open Terminal and run the following command:

```
ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/
```

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```
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```

Installing Ruby

and Where to Find Them

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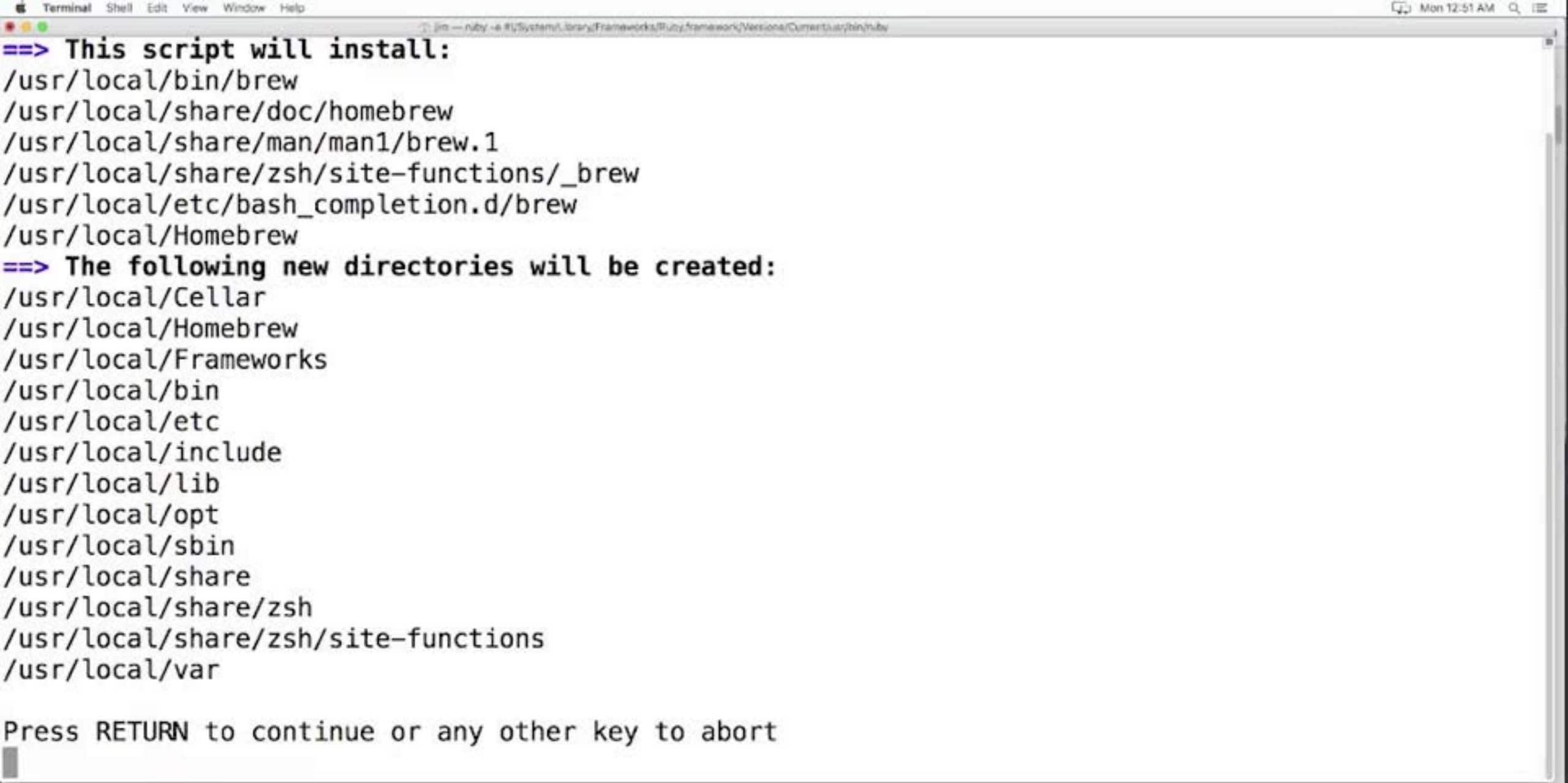

Terminal Shell Edit View Window Help
Mon 12:51 AM
==> This script will install:
/usr/local/bin/brew
/usr/local/share/doc/homebrew
/usr/local/share/man/man1/brew.1
/usr/local/share/zsh/site-functions/_brew
/usr/local/etc/bash_completion.d/brew
/usr/local/Homebrew
==> The following new directories will be created:
/usr/local/Cellar
/usr/local/Homebrew
/usr/local/Frameworks
/usr/local/bin
/usr/local/etc
/usr/local/include
/usr/local/lib
/usr/local/opt
/usr/local/sbin
/usr/local/share
/usr/local/share/zsh
/usr/local/share/zsh/site-functions
/usr/local/var
Press RETURN to continue or any other key to abort
and Where to
$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"

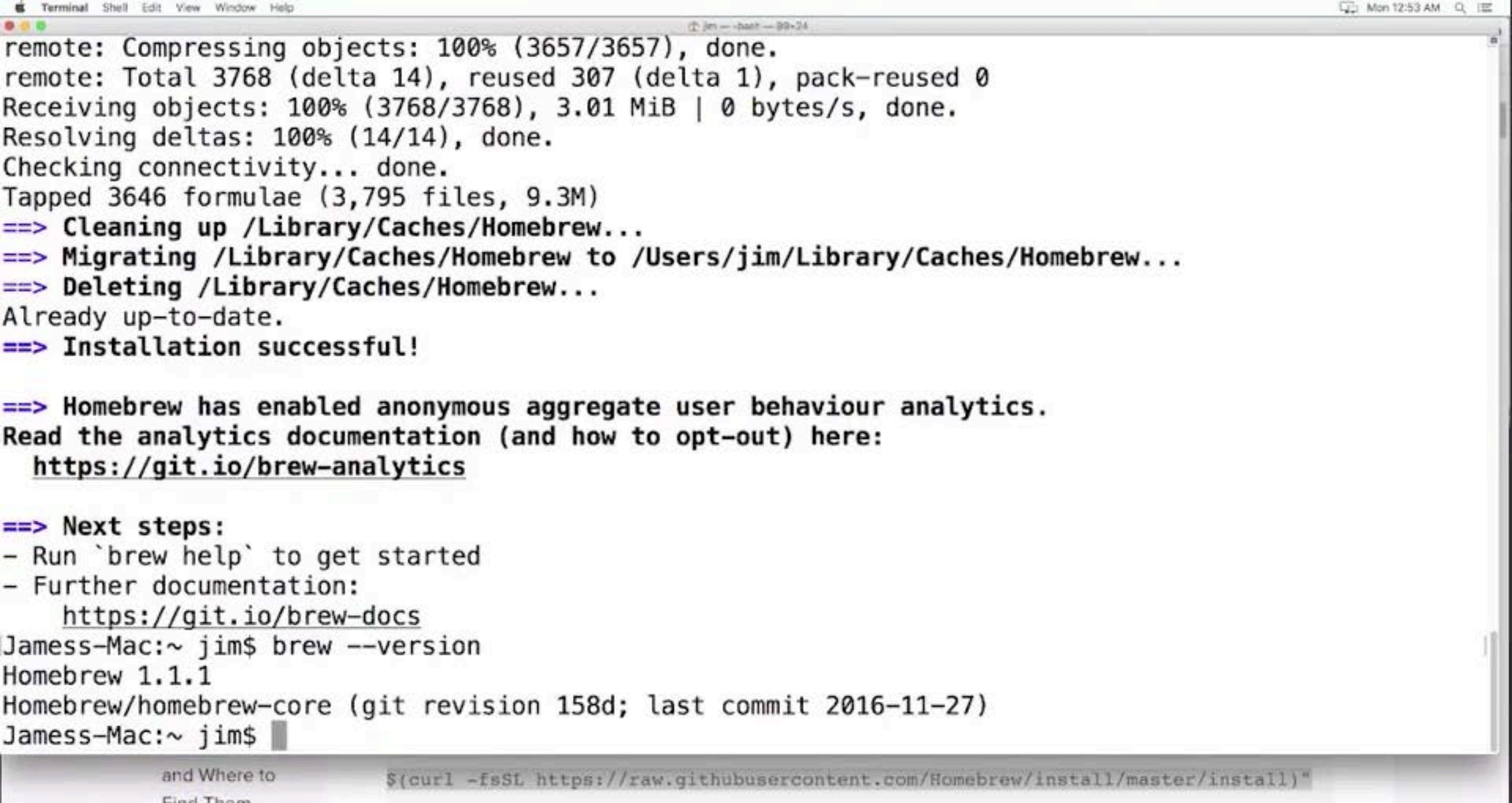
```
==> Tapping homebrew/core
Cloning into '/usr/local/Homebrew/Library/Taps/homebrew/homebrew-core'...
remote: Counting objects: 3768, done.
remote: Compressing objects: 100% (3657/3657), done.
remote: Total 3768 (delta 14), reused 307 (delta 1), pack-reused 0
Receiving objects: 100% (3768/3768), 3.01 MiB | 0 bytes/s, done.
Resolving deltas: 100% (14/14), done.
Checking connectivity... done.
Tapped 3646 formulae (3,795 files, 9.3M)
==> Cleaning up /Library/Caches/Homebrew...
==> Migrating /Library/Caches/Homebrew to /Users/jim/Library/Caches/Homebrew...
==> Deleting /Library/Caches/Homebrew...
Already up-to-date.
==> Installation successful!

==> Homebrew has enabled anonymous aggregate user behaviour analytics.
Read the analytics documentation (and how to opt-out) here:
  https://git.io/brew-analytics

==> Next steps:
- Run `brew help` to get started
- Further documentation:
    https://git.io/brew-docs
Jamess-Mac:~ jim$ b
```

and Where to Find Them

$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"


remote: Compressing objects: 100% (3657/3657), done.
remote: Total 3768 (delta 14), reused 307 (delta 1), pack-reused 0
Receiving objects: 100% (3768/3768), 3.01 MiB | 0 bytes/s, done.
Resolving deltas: 100% (14/14), done.
Checking connectivity... done.
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==> Cleaning up /Library/Caches/Homebrew...
==> Migrating /Library/Caches/Homebrew to /Users/jim/Library/Caches/Homebrew...
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==> Next steps:
- Run `brew help` to get started
- Further documentation:
https://git.io/brew-docs
Jamess-Mac:~ jim$ brew --version
Homebrew 1.1.1
Homebrew/homebrew-core (git revision 158d; last commit 2016-11-27)
Jamess-Mac:~ jim$
and Where to
$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"

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Now that we have Homebrew installed, we can use it to install Ruby.

We're going to use rbenv to install and manage our Ruby versions.

To do this, run the following commands in your Terminal:

```
brew install rbenv ruby-build

# Add rbenv to bash so that it loads every time you open a terminal
echo 'if which rbenv > /dev/null; then eval "$(rbenv init -)"; fi' >> ~/.bash_pr
source ~/.bash_profile

# Install Ruby
rbenv install 2.3.1
rbenv global 2.3.1
ruby -v
```

Configuring Git

We'll be using Git for our version control system so we're going to set it up to match our Github account. If you don't already have a Github account, make sure to register. It will come in handy for the future.

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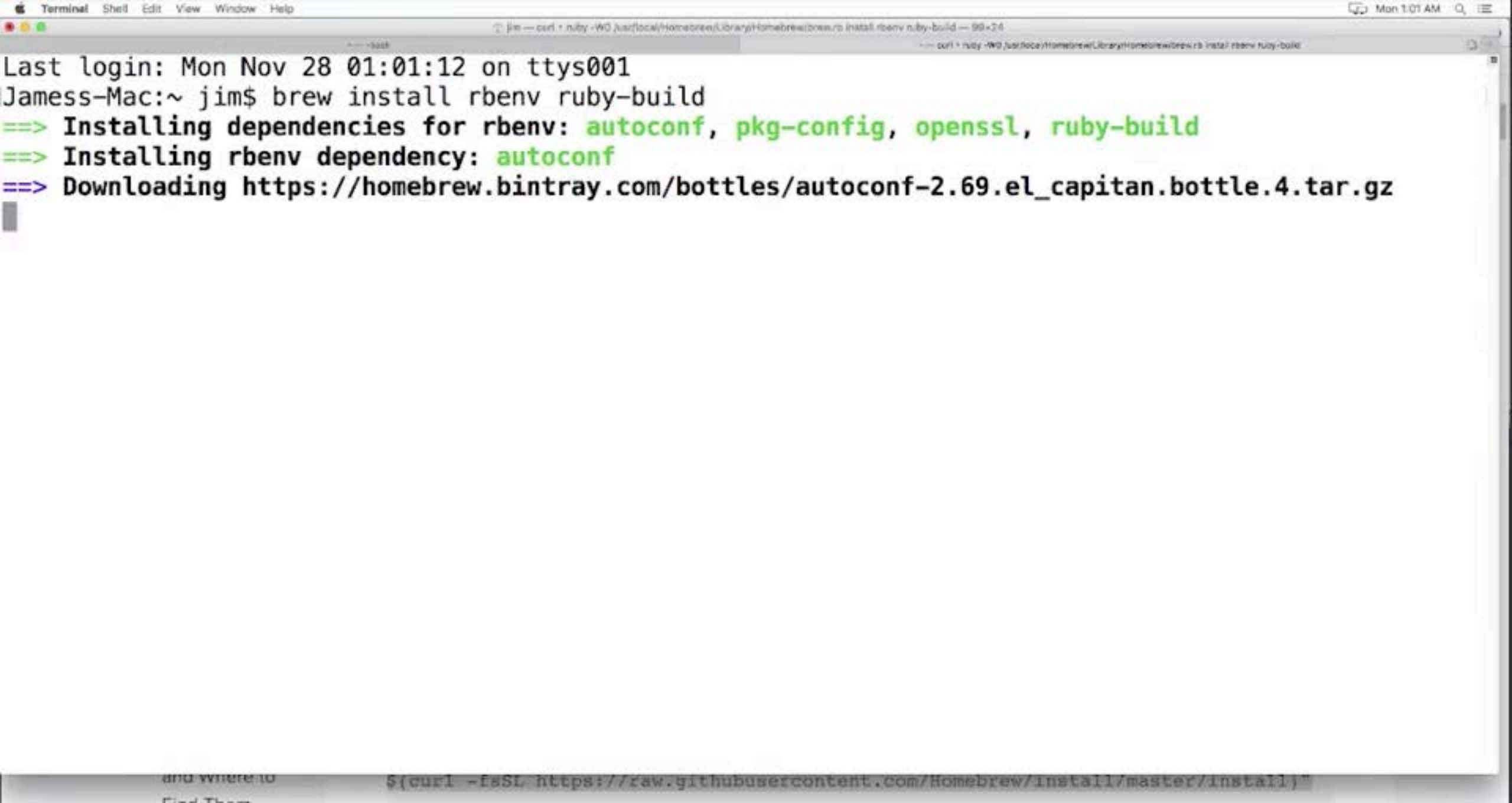
Ember Features and Where to


Terminal Shell Edit View Window Help
Mon 1:01 AM
Last login: Mon Nov 28 01:01:12 on ttys001
Jamess-Mac:~ jim$ brew install rbenv ruby-build
==> Installing dependencies for rbenv: autoconf, pkg-config, openssl, ruby-build
==> Installing rbenv dependency: autoconf
==> Downloading https://homebrew.bintray.com/bottles/autoconf-2.69.el_capitan.bottle.4.tar.gz

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rbenv global 2.3.1
ruby -v
```

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Ember Features and Where to

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source ~/.bash_profile

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rbenv global 2.3.1
ruby -v
```

Configuring Git

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Ember Features and Where to

```
==> Installing rbenv dependency: ruby-build
==> Downloading https://github.com/rbenv/ruby-build/archive/v20161121.tar.gz
==> Downloading from https://codeload.github.com/rbenv/ruby-build/tar.gz/v20161121
######################################################################## 100.0%
==> ./install.sh
  /usr/local/Cellar/ruby-build/20161121: 321 files, 172K, built in 1 second
==> Installing rbenv
==> Downloading https://homebrew.bintray.com/bottles/rbenv-1.1.0.el_capitan.bottle.tar.gz
######################################################################## 100.0%
==> Pouring rbenv-1.1.0.el_capitan.bottle.tar.gz
==> Caveats
Rbenv stores data under ~/.rbenv by default. If you absolutely need to
store everything under Homebrew's prefix, include this in your profile:
  export RBENV_ROOT=/usr/local/var/rbenv

To enable shims and autocompletion, run this and follow the instructions:
  rbenv init
==> Summary
  /usr/local/Cellar/rbenv/1.1.0: 36 files, 63.3K
Jamess-Mac:~ jim$ echo 'if which rbenv > /dev/null; then eval "$(rbenv init -)"; fi' >> ~/.bash_pro
file
Jamess-Mac:~ jim$ cat ~/.bash_profile
if which rbenv > /dev/null; then eval "$(rbenv init -)"; fi
Jamess-Mac:~ jim$ source ~/.bash_profile
Jamess-Mac:~ jim$
```

```
######################################################################## 100.0%
==> ./install.sh
🍺  /usr/local/Cellar/ruby-build/20161121: 321 files, 172K, built in 1 second
==> Installing rbenv
==> Downloading https://homebrew.bintray.com/bottles/rbenv-1.1.0.el_capitan.bottle.tar.gz
######################################################################## 100.0%
==> Pouring rbenv-1.1.0.el_capitan.bottle.tar.gz
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if which rbenv > /dev/null; then eval "$(rbenv init -)"; fi
Jamess-Mac:~ jim$ source ~/.bash_profile
Jamess-Mac:~ jim$ rbenv install 2.3.1
Downloading ruby-2.3.1.tar.bz2...
-> https://cache.ruby-lang.org/pub/ruby/2.3/ruby-2.3.1.tar.bz2
```

Terminal Shell Edit View Window Help Mon 1:23 AM

```
==> Installing rbenv
==> Downloading https://homebrew.bintray.com/bottles/rbenv-1.1.0.el_capitan.bottle.tar.gz
######################################################################## 100.0%
==> Pouring rbenv-1.1.0.el_capitan.bottle.tar.gz
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Jamess-Mac:~ jim$ source ~/.bash_profile
Jamess-Mac:~ jim$ rbenv install 2.3.1
Downloading ruby-2.3.1.tar.bz2...
-> https://cache.ruby-lang.org/pub/ruby/2.3/ruby-2.3.1.tar.bz2
Installing ruby-2.3.1...
Installed ruby-2.3.1 to /Users/jim/.rbenv/versions/2.3.1

Jamess-Mac:~ jim$
```

```
==> Installing rbenv
==> Downloading https://homebrew.bintray.com/bottles/rbenv-1.1.0.el_capitan.bottle.tar.gz
######################################################################## 100.0%
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if which rbenv > /dev/null; then eval "$(rbenv init -)"; fi
Jamess-Mac:~ jim$ source ~/.bash_profile
Jamess-Mac:~ jim$ rbenv install 2.3.1
Downloading ruby-2.3.1.tar.bz2...
-> https://cache.ruby-lang.org/pub/ruby/2.3/ruby-2.3.1.tar.bz2
Installing ruby-2.3.1...
Installed ruby-2.3.1 to /Users/jim/.rbenv/versions/2.3.1

Jamess-Mac:~ jim$ rbenv global 2.3.1
```

```
==> Pouring rbenv-1.1.0.el_capitan.bottle.tar.gz
==> Caveats
Rbenv stores data under ~/.rbenv by default. If you absolutely need to
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if which rbenv > /dev/null; then eval "$(rbenv init -)"; fi
Jamess-Mac:~ jim$ source ~/.bash_profile
Jamess-Mac:~ jim$ rbenv install 2.3.1
Downloading ruby-2.3.1.tar.bz2...
-> https://cache.ruby-lang.org/pub/ruby/2.3/ruby-2.3.1.tar.bz2
Installing ruby-2.3.1...
Installed ruby-2.3.1 to /Users/jim/.rbenv/versions/2.3.1

Jamess-Mac:~ jim$ rbenv global 2.3.1
Jamess-Mac:~ jim$ ruby -v
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-darwin15]
Jamess-Mac:~ jim$
```
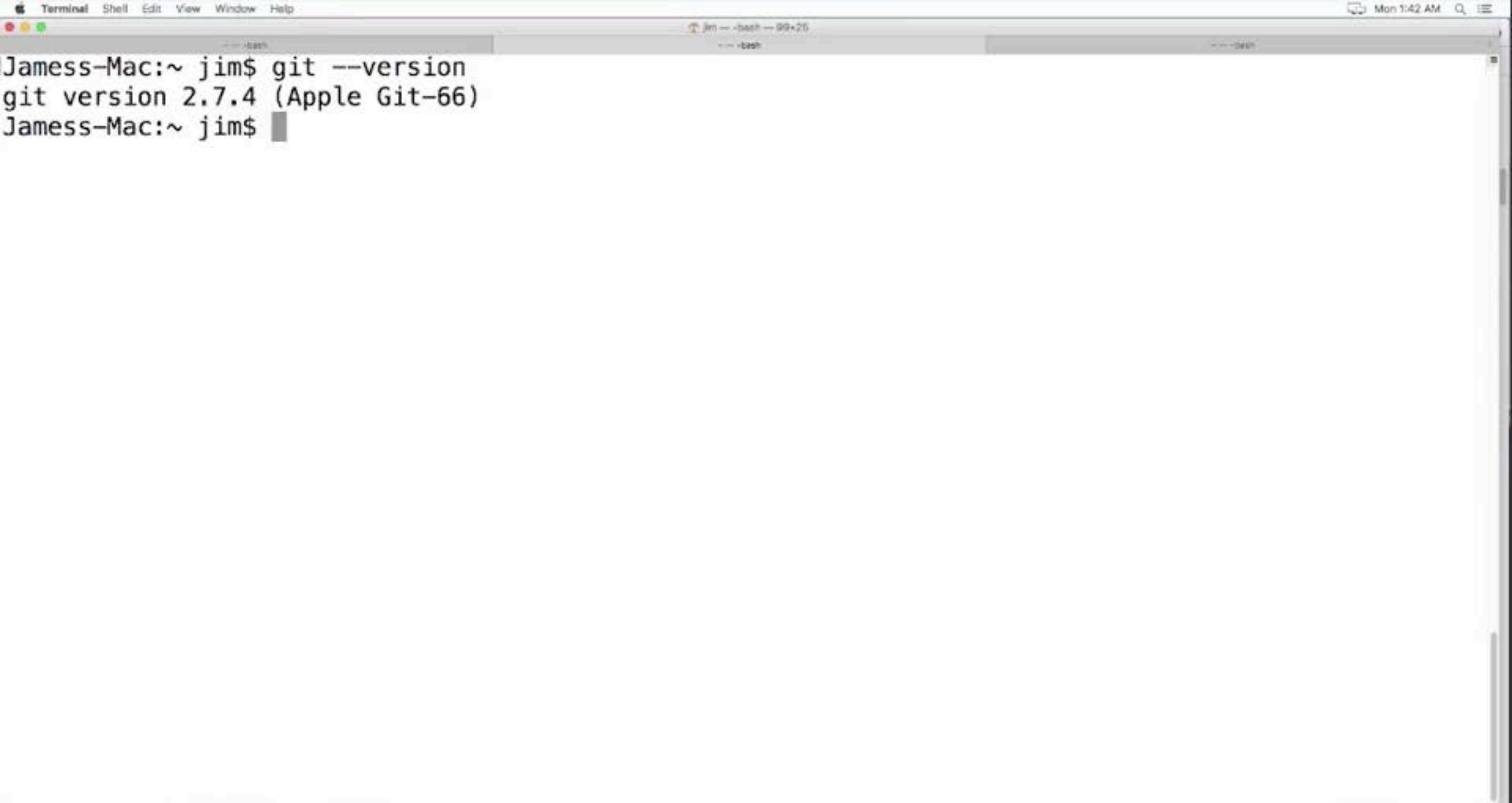
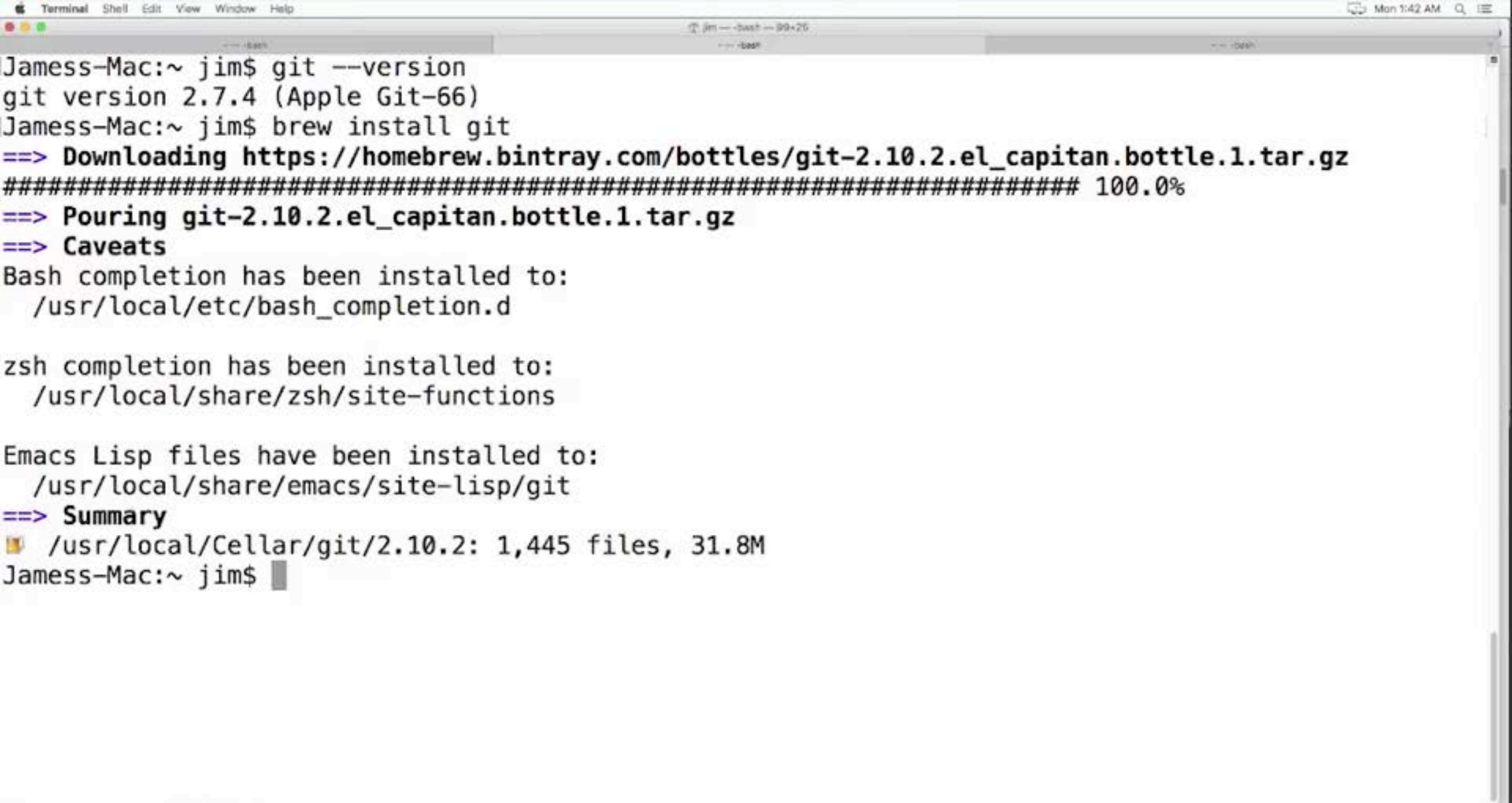
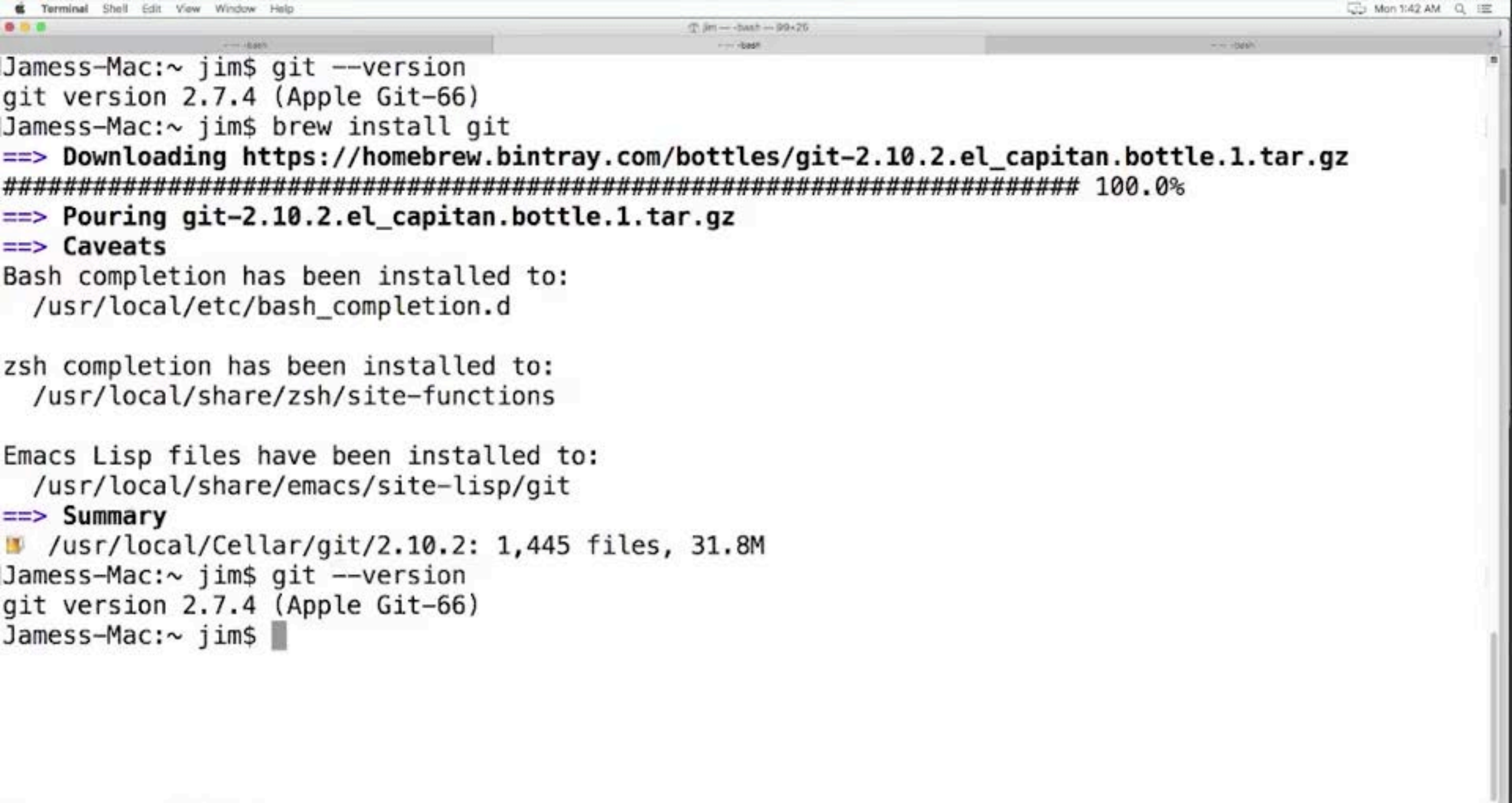


Terminal Shell Edit View Window Help
Mon 1:42 AM
Jamess-Mac:~ jim$ git --version
git version 2.7.4 (Apple Git-66)
Jamess-Mac:~ jim$

Terminal Shell Edit View Window Help
Mon 1:42 AM
Jamess-Mac:~ jim$ git --version
git version 2.7.4 (Apple Git-66)
Jamess-Mac:~ jim$ brew install git
==> Downloading https://homebrew.bintray.com/bottles/git-2.10.2.el_capitan.bottle.1.tar.gz


Terminal Shell Edit View Window Help
Mon 1:42 AM
Jamess-Mac:~ jim$ git --version
git version 2.7.4 (Apple Git-66)
Jamess-Mac:~ jim$ brew install git
==> Downloading https://homebrew.bintray.com/bottles/git-2.10.2.el_capitan.bottle.1.tar.gz
100.0%
==> Pouring git-2.10.2.el_capitan.bottle.1.tar.gz
==> Caveats
Bash completion has been installed to:
/usr/local/etc/bash_completion.d
zsh completion has been installed to:
/usr/local/share/zsh/site-functions
Emacs Lisp files have been installed to:
/usr/local/share/emacs/site-lisp/git
==> Summary
/usr/local/Cellar/git/2.10.2: 1,445 files, 31.8M
Jamess-Mac:~ jim$


Terminal Shell Edit View Window Help
Mon 1:42 AM
Jamess-Mac:~ jim$ git --version
git version 2.7.4 (Apple Git-66)
Jamess-Mac:~ jim$ brew install git
==> Downloading https://homebrew.bintray.com/bottles/git-2.10.2.el_capitan.bottle.1.tar.gz
100.0%
==> Pouring git-2.10.2.el_capitan.bottle.1.tar.gz
==> Caveats
Bash completion has been installed to:
/usr/local/etc/bash_completion.d
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==> Summary
/usr/local/Cellar/git/2.10.2: 1,445 files, 31.8M
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git version 2.7.4 (Apple Git-66)
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```
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######################################################################## 100.0%
==> Pouring git-2.10.2.el_capitan.bottle.1.tar.gz
==> Caveats
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  /usr/local/etc/bash_completion.d

zsh completion has been installed to:
  /usr/local/share/zsh/site-functions

Emacs Lisp files have been installed to:
  /usr/local/share/emacs/site-lisp/git
==> Summary
🍺  /usr/local/Cellar/git/2.10.2: 1,445 files, 31.8M
Jamess-Mac:~ jim$ git --version
git version 2.7.4 (Apple Git-66)
Jamess-Mac:~ jim$ source ~/.bash_profile
Jamess-Mac:~ jim$
```

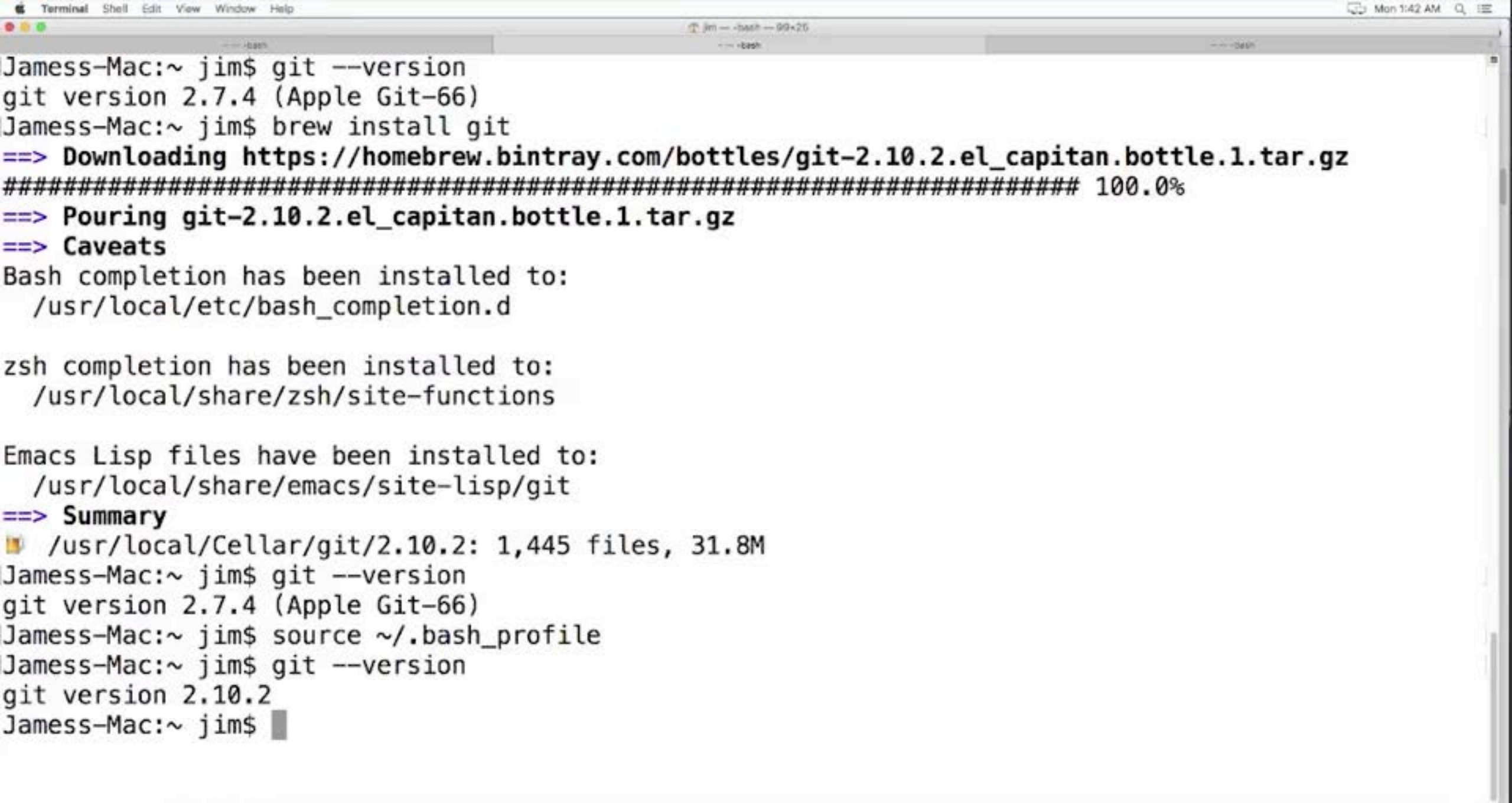
Terminal Shell Edit View Window Help
Mon 1:42 AM
Jamess-Mac:~ jim$ git --version
git version 2.7.4 (Apple Git-66)
Jamess-Mac:~ jim$ brew install git
==> Downloading https://homebrew.bintray.com/bottles/git-2.10.2.el_capitan.bottle.1.tar.gz
100.0%
==> Pouring git-2.10.2.el_capitan.bottle.1.tar.gz
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==> Summary
/usr/local/Cellar/git/2.10.2: 1,445 files, 31.8M
Jamess-Mac:~ jim$ git --version
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Jamess-Mac:~ jim$ source ~/.bash_profile
Jamess-Mac:~ jim$ git --version
git version 2.10.2
Jamess-Mac:~ jim$

```
==> Pouring git-2.10.2.el_capitan.bottle.1.tar.gz
==> Caveats
Bash completion has been installed to:
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  /usr/local/share/zsh/site-functions

Emacs Lisp files have been installed to:
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==> Summary
🍺  /usr/local/Cellar/git/2.10.2: 1,445 files, 31.8M
Jamess-Mac:~ jim$ git --version
git version 2.7.4 (Apple Git-66)
Jamess-Mac:~ jim$ source ~/.bash_profile
Jamess-Mac:~ jim$ git --version
git version 2.10.2
Jamess-Mac:~ jim$ git config --global color.ui true
Jamess-Mac:~ jim$ git config --global user.name jim
Jamess-Mac:~ jim$ git config --global user.email "ejavaguy@gmail.com"
Jamess-Mac:~ jim$ ssh-keygen -t rsa -C "ejavaguy@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/jim/.ssh/id_rsa):
Created directory '/Users/jim/.ssh'.
Enter passphrase (empty for no passphrase):
```

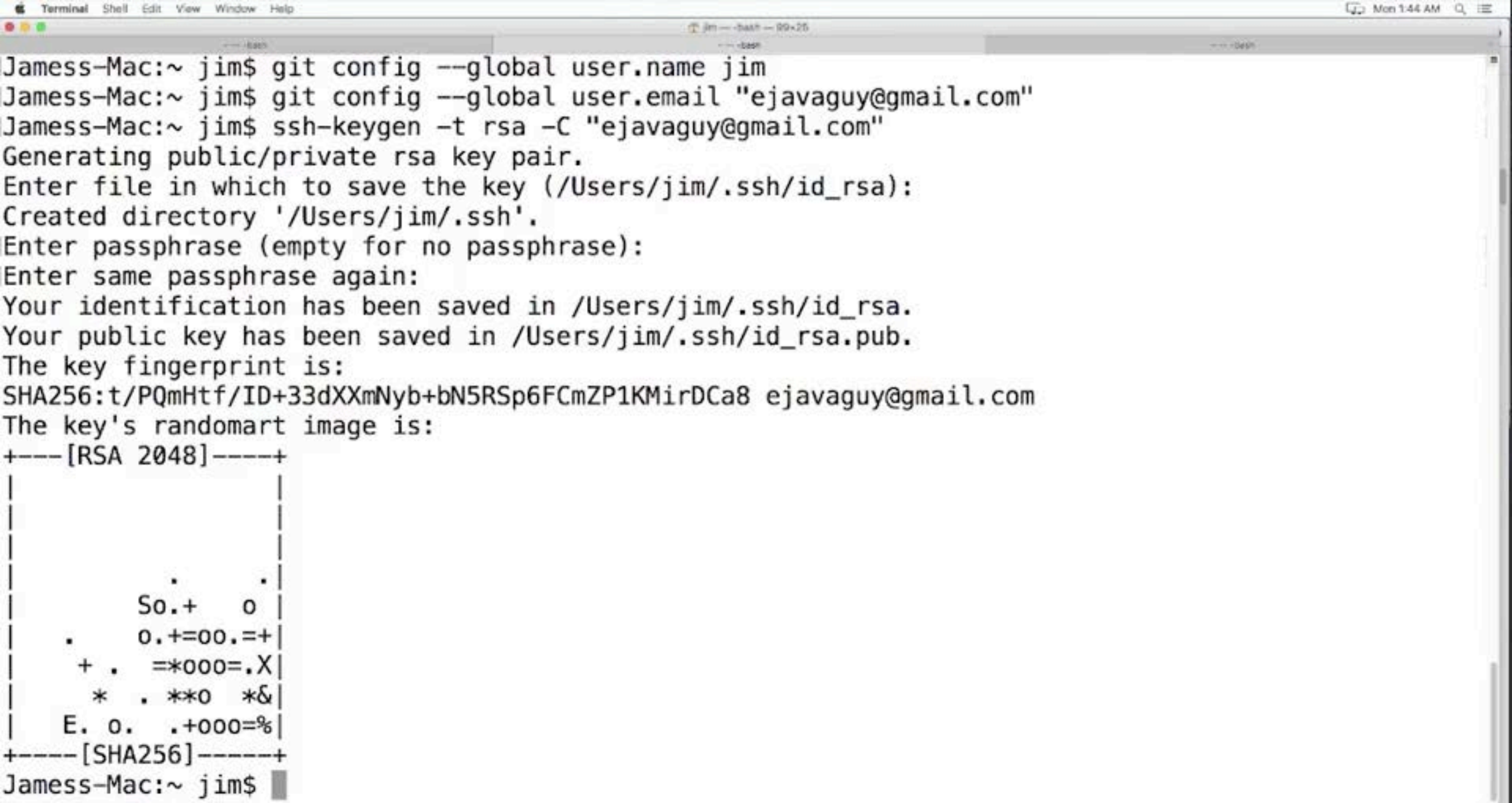
Terminal Shell Edit View Window Help
Mon 1:44 AM
Jamess-Mac:~ jim$ git config --global user.name jim
Jamess-Mac:~ jim$ git config --global user.email "ejavaguy@gmail.com"
Jamess-Mac:~ jim$ ssh-keygen -t rsa -C "ejavaguy@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/jim/.ssh/id_rsa):
Created directory '/Users/jim/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /Users/jim/.ssh/id_rsa.
Your public key has been saved in /Users/jim/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:t/PQmHtf/ID+33dXXmNyb+bN5RSp6FCmZP1KMirDCa8 ejavaguy@gmail.com
The key's randomart image is:
+---[RSA 2048]----+
| |
| |
| |
| .   . |
| So.+   o |
| .   o.+=oo.=+|
| + . =*ooo=.X|
| * . **o *&|
| E. o. .+ooo=%|
+----[SHA256]-----+
Jamess-Mac:~ jim$

Terminal Shell Edit View Window Help
Mon 1:44 AM
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /Users/jim/.ssh/id_rsa.
Your public key has been saved in /Users/jim/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:t/PQmHtf/ID+33dXXmNyb+bN5RSp6FCmZP1KMirDCa8 ejavaguy@gmail.com
The key's randomart image is:
+---[RSA 2048]----+
| . . |
| So.+ o |
| o.+=oo.=+|
| + . =*ooo=.X|
| * . **o *&|
| E. o. .+ooo=%|
+----[SHA256]-----+
Jamess-Mac:~ jim$ cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDJnLOUMTMgyQCYLGQhgD8AVl8mC4FAO0JlQ9AGtyXORFxW1tWiRtXo/HvgJa0
Jfq/FAbVwqZBjmmFQRMxKEpKu/13RRhNVEvZE32q0ooy4H/yz5ATK334HZiCltkhlNlTEDQOKEG8/x4o+AR0NPmA9NVWg5Ft6P0
UompWGWAFAT2xiGi+KryB1f+fanUwpt2fcOz9S0Wvcr9fbZSK3XIms3kTEhhqNZukt9KYiBmSOq9bCMbZuTmrE8mA2HBRLuUBzu
i66DUu6AmWLMmh2NOXZv5BkdmmbQkcKLMzbYic908Go6Gv1wytwOO7OmhqnKlL7cRAiL+dPPpqk/HuY5RNf ejavaguy@gmail.
com
Jamess-Mac:~ jim$

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- Installed integrations

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- OAuth applications
- Integrations
- Personal access tokens

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

SSH

ejavaguy
Fingerprint: 9b:3b:d6:8d:8a:a2:4a:ab:11:16:cb:c2:28:53:34:72
Added on Jul 12, 2014 — Last used within the last 7 months

Delete

SSH

dev12
Fingerprint: 00:73:9a:e5:d7:23:98:85:67:7d:d4:92:a1:16:8e:ad
Added on Aug 8, 2015 — Last used within the last day

Delete

SSH

lenovo-x1
Fingerprint: af:c4:b0:59:f2:8e:c0:63:fd:90:f9:c6:aa:15:56:c9
Added on Nov 23, 2016 — Never used

Delete

Check out our guide to generating SSH keys or troubleshoot common SSH Problems.

GPG keys

New GPG key

There are no GPG keys with access to your account.

Learn how to generate a GPG key and add it to your account.

Search GitHub

Pull requests Issues Gist

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Developer settings

- OAuth applications
- Integrations
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SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

SSH **ejavaguy**
Fingerprint: `9b:3b:d6:8d:8a:a2:4a:ab:11:16:cb:c2:28:53:34:72`
Added on Jul 12, 2014 — Last used within the last 7 months
Delete

SSH **dev12**
Fingerprint: `00:73:9a:e5:d7:23:98:85:67:7d:d4:92:a1:16:8e:ad`
Added on Aug 8, 2015 — Last used within the last day
Delete

SSH **lenovo-x1**
Fingerprint: `af:c4:b0:59:f2:8e:c0:63:fd:90:f9:c6:aa:15:56:c9`
Added on Nov 23, 2016 — Never used
Delete

Title

mac install

Key

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABAQDJnLOUMTMgyQCYLGQhgDBAViBmC4FAO0JlQ9AGtyXORFxW
1tWlRtXo/HvgJa0Jfq/FAbVwqZBjmmFQRMxKEpKu/13RRhNVEvZE32q0ooy4H/yz5ATK334HZlCltkhlNITED
QOKEG8/x4o+AR0NPmA9NVWg5Ft6P0UompWGWAFAT2xlGl+KryB1f+fanUwpt2fcOz9S0Wver9fbZSK3Xl
ms3kTEhhqNZukt9KYlBmSOq9bGMbZuTmrEBmA2HBRLuUBzul66DUu6AmWLMmh2NOXZv5BkdmmbQk
cKLMzbYic908Go6Gv1wytwOO7OmhqnKIL7cRAlL+dPPpqk/HuY5RNf ejavaguy@gmail.com
```

Add SSH key

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SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

SSH **ejavaguy**
Fingerprint: `9b:3b:d6:8d:8a:a2:4a:ab:11:16:cb:c2:28:53:34:72`
Added on Jul 12, 2014 — Last used within the last 7 months
Delete

SSH **dev12**
Fingerprint: `e0:73:9a:e5:d7:23:98:85:67:7d:d4:92:a1:16:8e:ad`
Added on Aug 8, 2015 — Last used within the last day
Delete

SSH **lenovo-x1**
Fingerprint: `af:c4:b0:59:f2:8e:c0:63:fd:90:f9:c6:aa:15:56:c9`
Added on Nov 23, 2016 — Never used
Delete

SSH **mac install**
Fingerprint: `92:bd:d5:66:e6:01:90:14:1f:5d:ae:c9:41:03:b2:af`
Added on Nov 28, 2016 — Never used
Delete

Check out our guide to generating SSH keys or troubleshoot common SSH Problems.

GPG keys

New GPG key

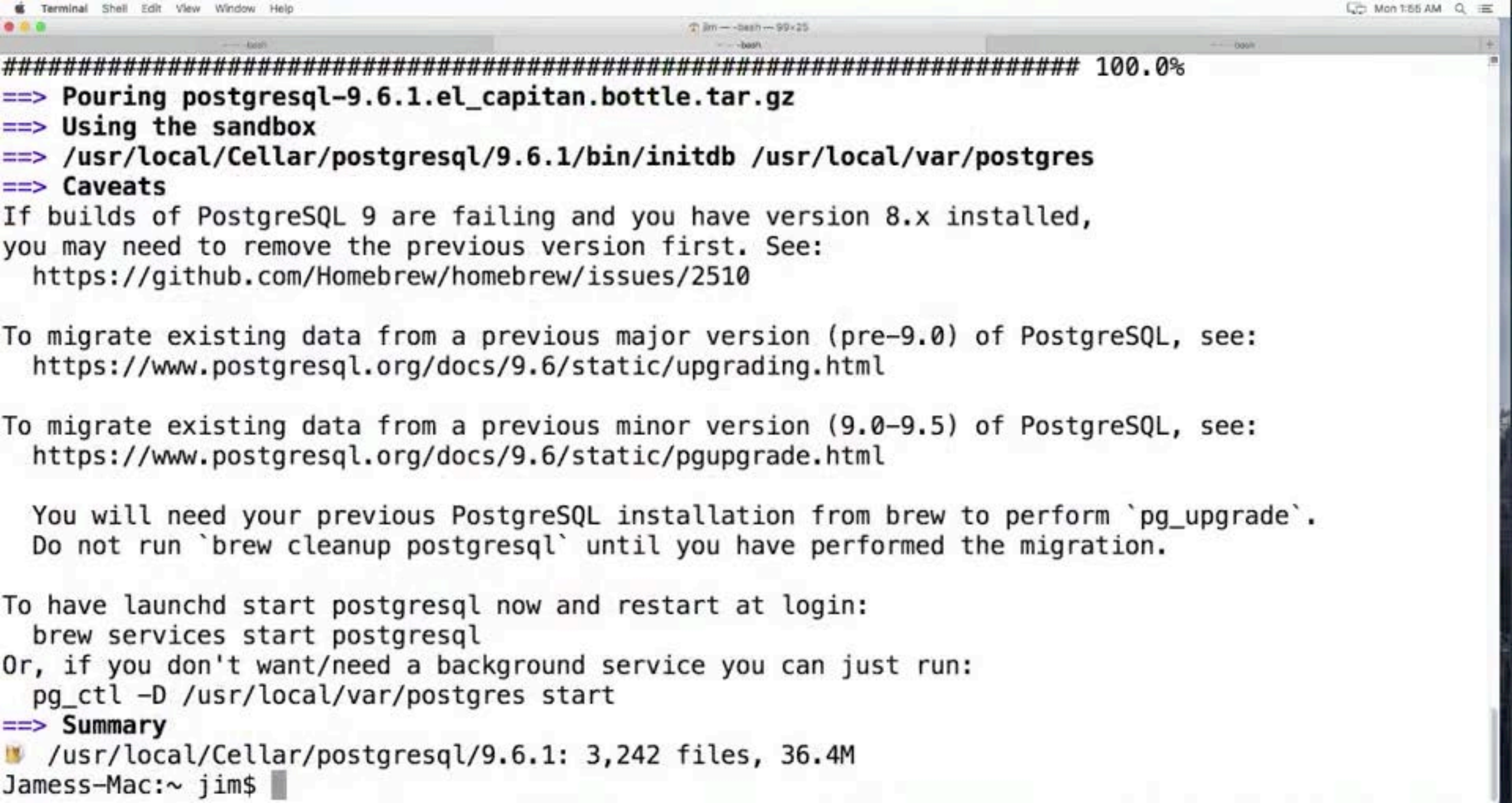
There are no GPG keys with access to your account.

Learn how to generate a GPG key and add it to your account.

```
Your public key has been saved in /Users/jim/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:t/PQmHtf/ID+33dXXmNyb+bN5RSp6FCmZP1KMirDCa8 ejavaguy@gmail.com
The key's randomart image is:
+---[RSA 2048]----+
|                 |
|                 |
|                 |
|        .     .  |
|       So.+   o  |
|    .    o.+=oo.=+|
|     + .  =*ooo=.X|
|      *  . **o  *&|
|    E. o.  .+ooo=%|
+----[SHA256]-----+
Jamess-Mac:~ jim$ cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDJnLOUMTMgyQCYLGQhgD8AVl8mC4FAO0JlQ9AGtyXORFxW1tWiRtXo/HvgJa0
Jfq/FAbVwqZBjmmFQRMxKEpKu/13RRhNVEvZE32q0ooy4H/yz5ATK334HZiCltkhlNlTEDQOKEG8/x4o+AR0NPmA9NVWg5Ft6P0
UompWGWAFAT2xiGi+KryB1f+fanUwpt2fcOz9S0Wvcr9fbZSK3XIms3kTEhhqNZukt9KYiBmSOq9bCMbZuTmrE8mA2HBRLuUBzu
i66DUu6AmWLMmh2NOXZv5BkdmmbQkcKLMzbYic908Go6Gv1wytwOO7OmhqnKlL7cRAiL+dPPpqk/HuY5RNf ejavaguy@gmail.
com
Jamess-Mac:~ jim$ ssh -T git@github.com
The authenticity of host 'github.com (192.30.253.112)' can't be established.
RSA key fingerprint is SHA256:nThbg6kXUpJWGl7E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no)? yes
```

```
The key's randomart image is:
+---[RSA 2048]----+
|                 |
|                 |
|                 |
|          .     .|
|        So.+   o |
|   .    o.+=oo.=+|
|    + .  =*ooo=.X|
|     *  . **o  *&|
|   E. o.  .+ooo=%|
+----[SHA256]-----+
Jamess-Mac:~ jim$ cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDJnLOUMTMgyQCYLGQhgD8AVl8mC4FAO0JlQ9AGtyXORFxW1tWiRtXo/HvgJa0
Jfq/FAbVwqZBjmmFQRMxKEpKu/13RRhNVEvZE32q0ooy4H/yz5ATK334HZiCltkhlNlTEDQOKEG8/x4o+AR0NPmA9NVWg5Ft6P0
UompWGWAFAT2xiGi+KryB1f+fanUwpt2fcOz9S0Wvcr9fbZSK3XIms3kTEhhqNZukt9KYiBmSOq9bCMbZuTmrE8mA2HBRLuUBzu
i66DUu6AmWLMmh2NOXZv5BkdmmbQkcKLMzbYic908Go6Gv1wytwOO7OmhqnKlL7cRAiL+dPPpqk/HuY5RNf ejavaguy@gmail.
com
Jamess-Mac:~ jim$ ssh -T git@github.com
The authenticity of host 'github.com (192.30.253.112)' can't be established.
RSA key fingerprint is SHA256:nThbg6kXUpJWGl7E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'github.com,192.30.253.112' (RSA) to the list of known hosts.
Hi ejavaguy! You've successfully authenticated, but GitHub does not provide shell access.
Jamess-Mac:~ jim$
```

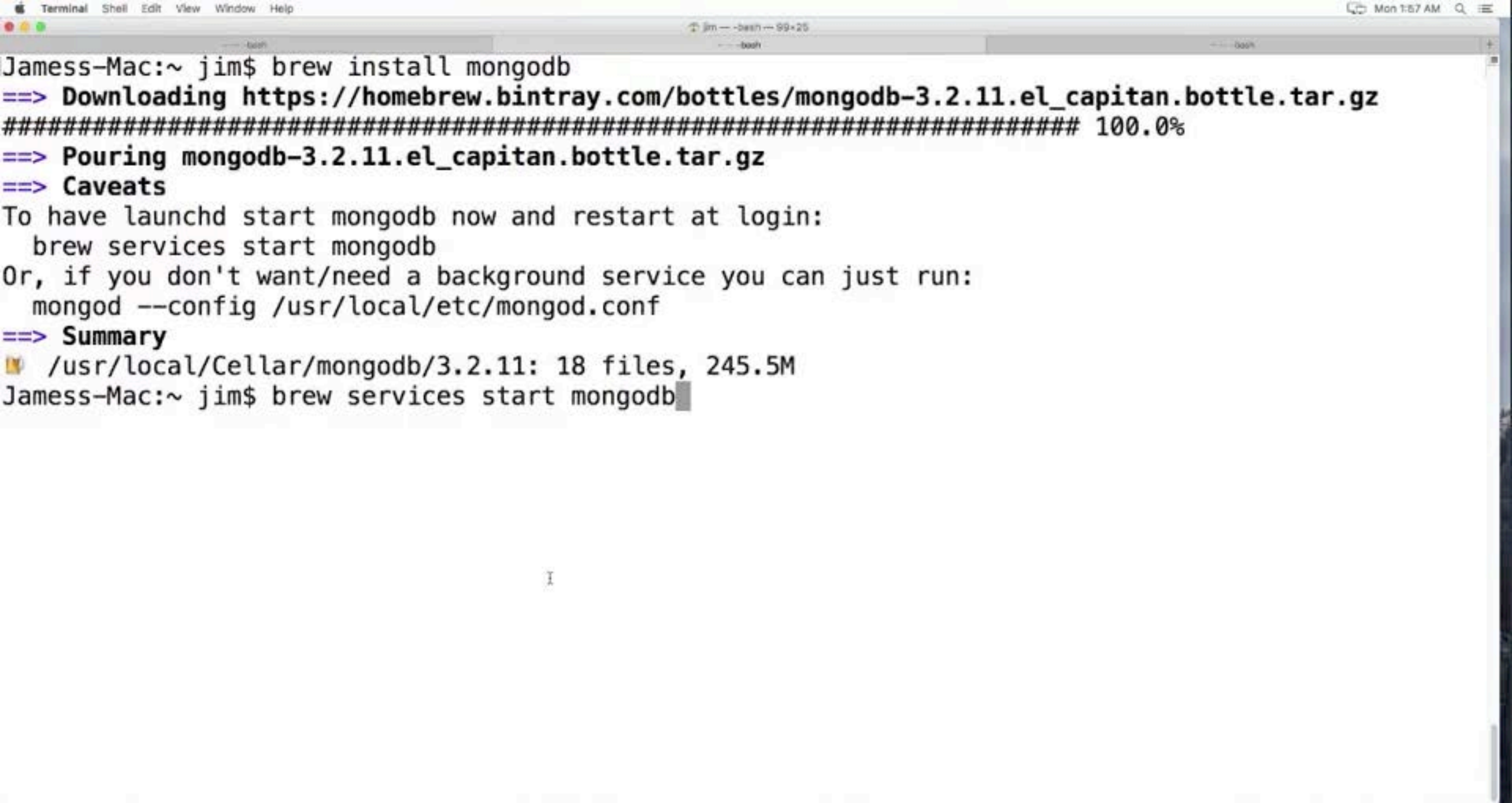
Terminal Shell Edit View Window Help
Mon 1:55 AM
jim — -bash — 99×25
Jamess-Mac:~ jim$ brew install postgresql

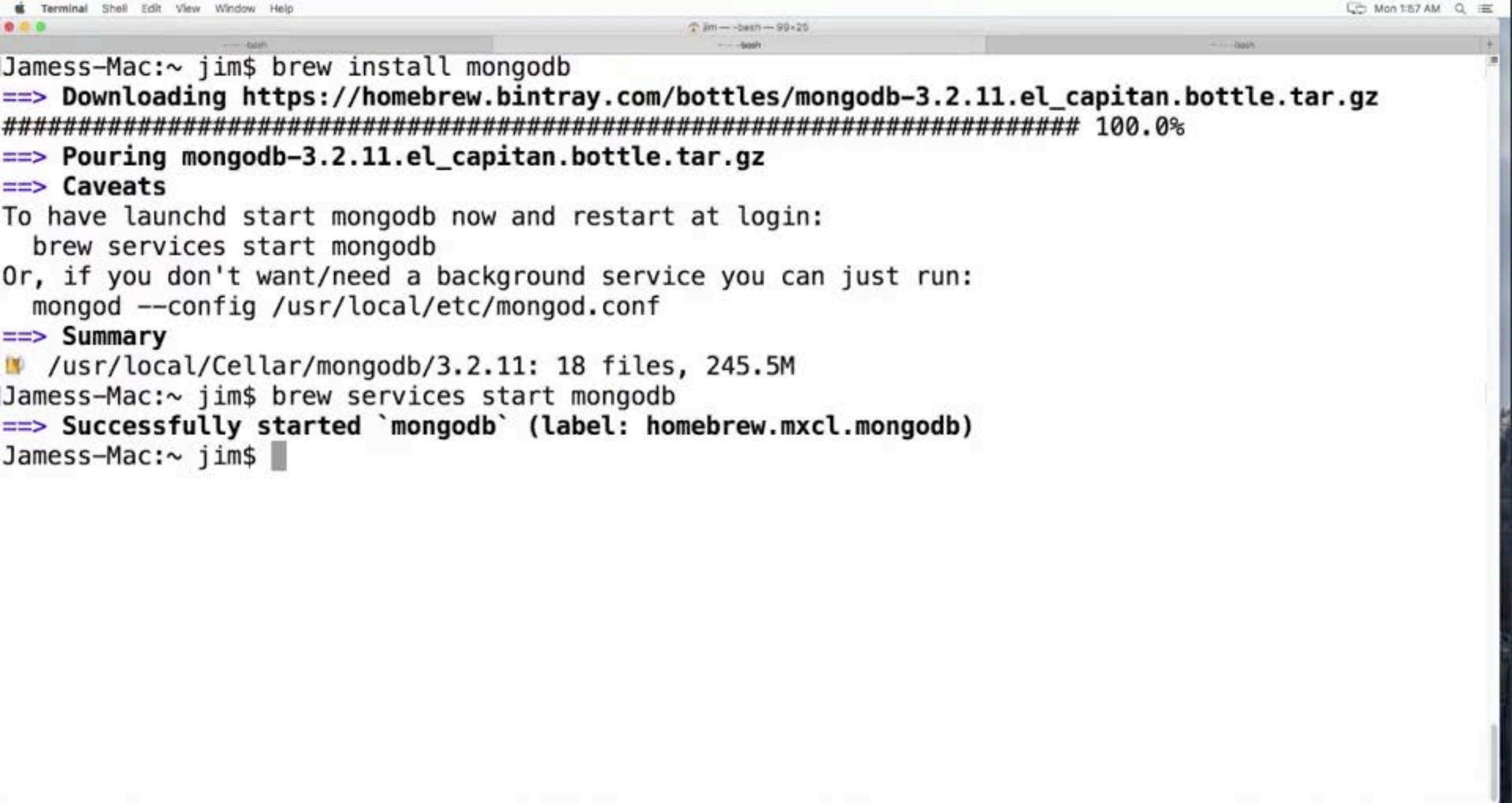


```
################################################################## 100.0%
==> Pouring postgresql-9.6.1.el_capitan.bottle.tar.gz
==> Using the sandbox
==> /usr/local/Cellar/postgresql/9.6.1/bin/initdb /usr/local/var/postgres
==> Caveats
If builds of PostgreSQL 9 are failing and you have version 8.x installed,
you may need to remove the previous version first. See:
  https://github.com/Homebrew/homebrew/issues/2510

To migrate existing data from a previous major version (pre-9.0) of PostgreSQL, see:
  https://www.postgresql.org/docs/9.6/static/upgrading.html

To migrate existing data from a previous minor version (9.0-9.5) of PostgreSQL, see:
  https://www.postgresql.org/docs/9.6/static/pgupgrade.html

  You will need your previous PostgreSQL installation from brew to perform `pg_upgrade`.
  Do not run `brew cleanup postgresql` until you have performed the migration.

To have launchd start postgresql now and restart at login:
  brew services start postgresql
Or, if you don't want/need a background service you can just run:
  pg_ctl -D /usr/local/var/postgres start
==> Summary
🍺 /usr/local/Cellar/postgresql/9.6.1: 3,242 files, 36.4M
Jamess-Mac:~ jim$
```

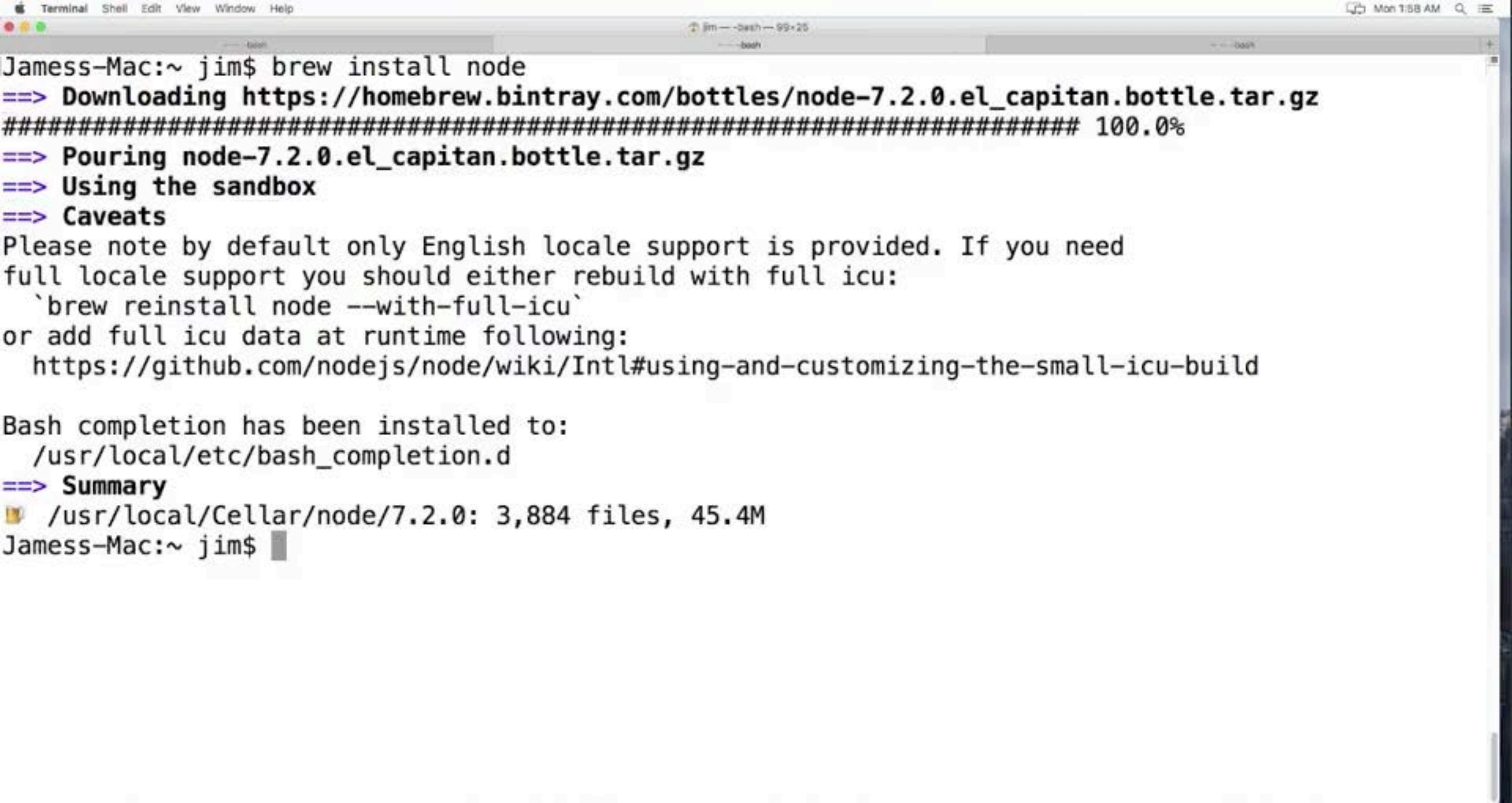
```
To migrate existing data from a previous major version (pre-9.0) of PostgreSQL, see:
  https://www.postgresql.org/docs/9.6/static/upgrading.html

To migrate existing data from a previous minor version (9.0-9.5) of PostgreSQL, see:
  https://www.postgresql.org/docs/9.6/static/pgupgrade.html

  You will need your previous PostgreSQL installation from brew to perform `pg_upgrade`.
  Do not run `brew cleanup postgresql` until you have performed the migration.

To have launchd start postgresql now and restart at login:
  brew services start postgresql
Or, if you don't want/need a background service you can just run:
  pg_ctl -D /usr/local/var/postgres start
==> Summary
🍺  /usr/local/Cellar/postgresql/9.6.1: 3,242 files, 36.4M
Jamess-Mac:~ jim$ brew services start postgresql
==> Tapping homebrew/services
Cloning into '/usr/local/Homebrew/Library/Taps/homebrew/homebrew-services'...
remote: Counting objects: 10, done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 10 (delta 0), reused 6 (delta 0), pack-reused 0
Unpacking objects: 100% (10/10), done.
Tapped 0 formulae (37 files, 47.6K)
==> Successfully started `postgresql` (label: homebrew.mxcl.postgresql)
Jamess-Mac:~ jim$
```

Terminal Shell Edit View Window Help
Mon 1:57 AM
jim — -bash — 99×25
bash
bash
bash
Jamess-Mac:~ jim$ brew install mongodb

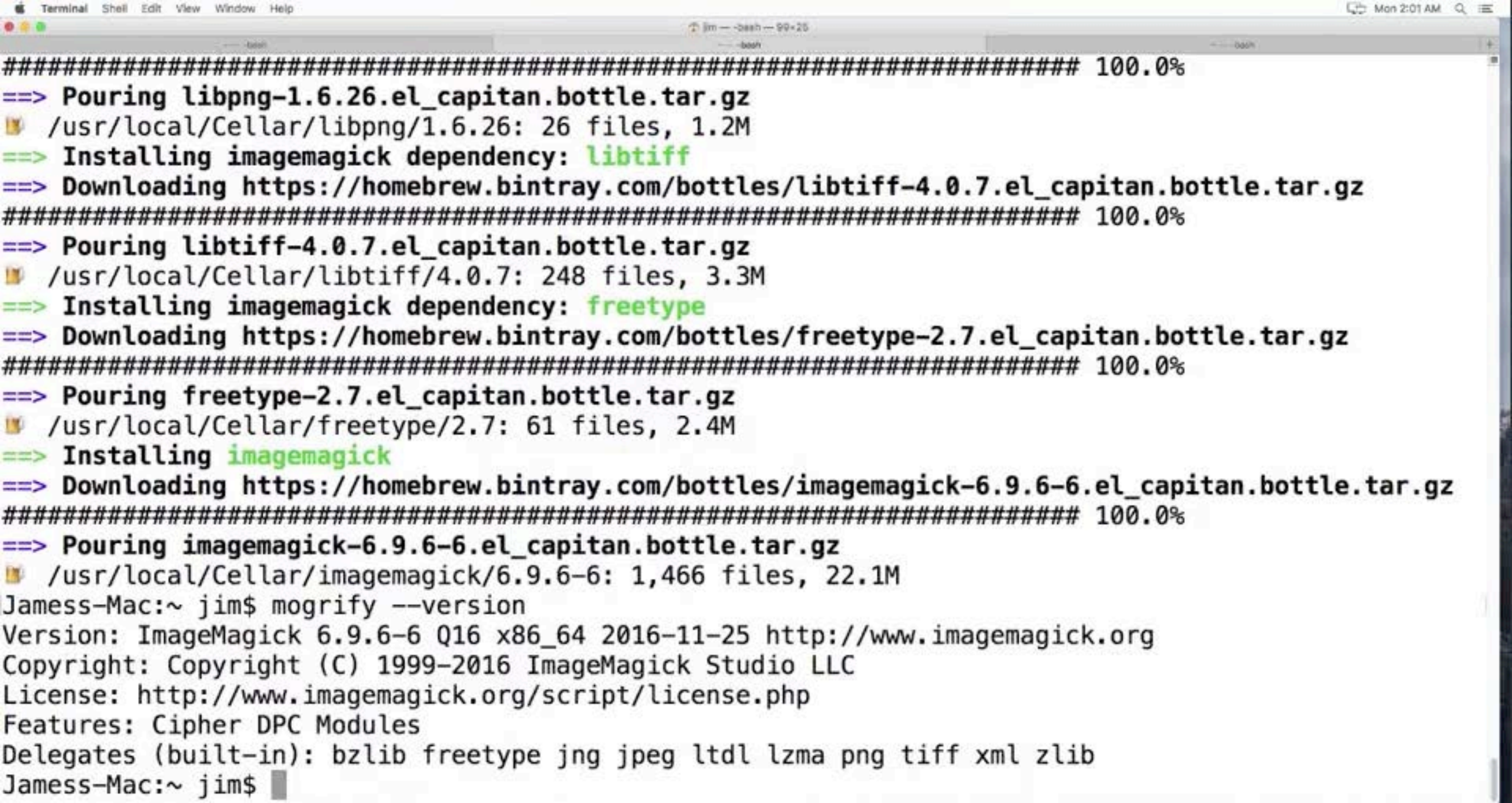

Terminal Shell Edit View Window Help
Mon 1:57 AM
jim — -bash — 99×25
Jamess-Mac:~ jim$ brew install mongodb
==> Downloading https://homebrew.bintray.com/bottles/mongodb-3.2.11.el_capitan.bottle.tar.gz
100.0%
==> Pouring mongodb-3.2.11.el_capitan.bottle.tar.gz
==> Caveats
To have launchd start mongodb now and restart at login:
brew services start mongodb
Or, if you don't want/need a background service you can just run:
mongod --config /usr/local/etc/mongod.conf
==> Summary
/usr/local/Cellar/mongodb/3.2.11: 18 files, 245.5M
Jamess-Mac:~ jim$ brew services start mongodb


Terminal Shell Edit View Window Help
Mon 1:57 AM
jim — -bash — 99×25
Jamess-Mac:~ jim$ brew install mongodb
==> Downloading https://homebrew.bintray.com/bottles/mongodb-3.2.11.el_capitan.bottle.tar.gz
100.0%
==> Pouring mongodb-3.2.11.el_capitan.bottle.tar.gz
==> Caveats
To have launchd start mongodb now and restart at login:
brew services start mongodb
Or, if you don't want/need a background service you can just run:
mongod --config /usr/local/etc/mongod.conf
==> Summary
/usr/local/Cellar/mongodb/3.2.11: 18 files, 245.5M
Jamess-Mac:~ jim$ brew services start mongodb
==> Successfully started `mongodb` (label: homebrew.mxcl.mongodb)
Jamess-Mac:~ jim$

Terminal Shell Edit View Window Help
Mon 1:58 AM
jim — bash • brew install node — 99×28
bash • brew install node
Jamess-Mac:~ jim$ brew install node


Terminal Shell Edit View Window Help
Mon 1:58 AM
Jamess-Mac:~ jim$ brew install node
==> Downloading https://homebrew.bintray.com/bottles/node-7.2.0.el_capitan.bottle.tar.gz
100.0%
==> Pouring node-7.2.0.el_capitan.bottle.tar.gz
==> Using the sandbox
==> Caveats
Please note by default only English locale support is provided. If you need
full locale support you should either rebuild with full icu:
`brew reinstall node --with-full-icu`
or add full icu data at runtime following:
https://github.com/nodejs/node/wiki/Intl#using-and-customizing-the-small-icu-build
Bash completion has been installed to:
/usr/local/etc/bash_completion.d
==> Summary
/usr/local/Cellar/node/7.2.0: 3,884 files, 45.4M
Jamess-Mac:~ jim$

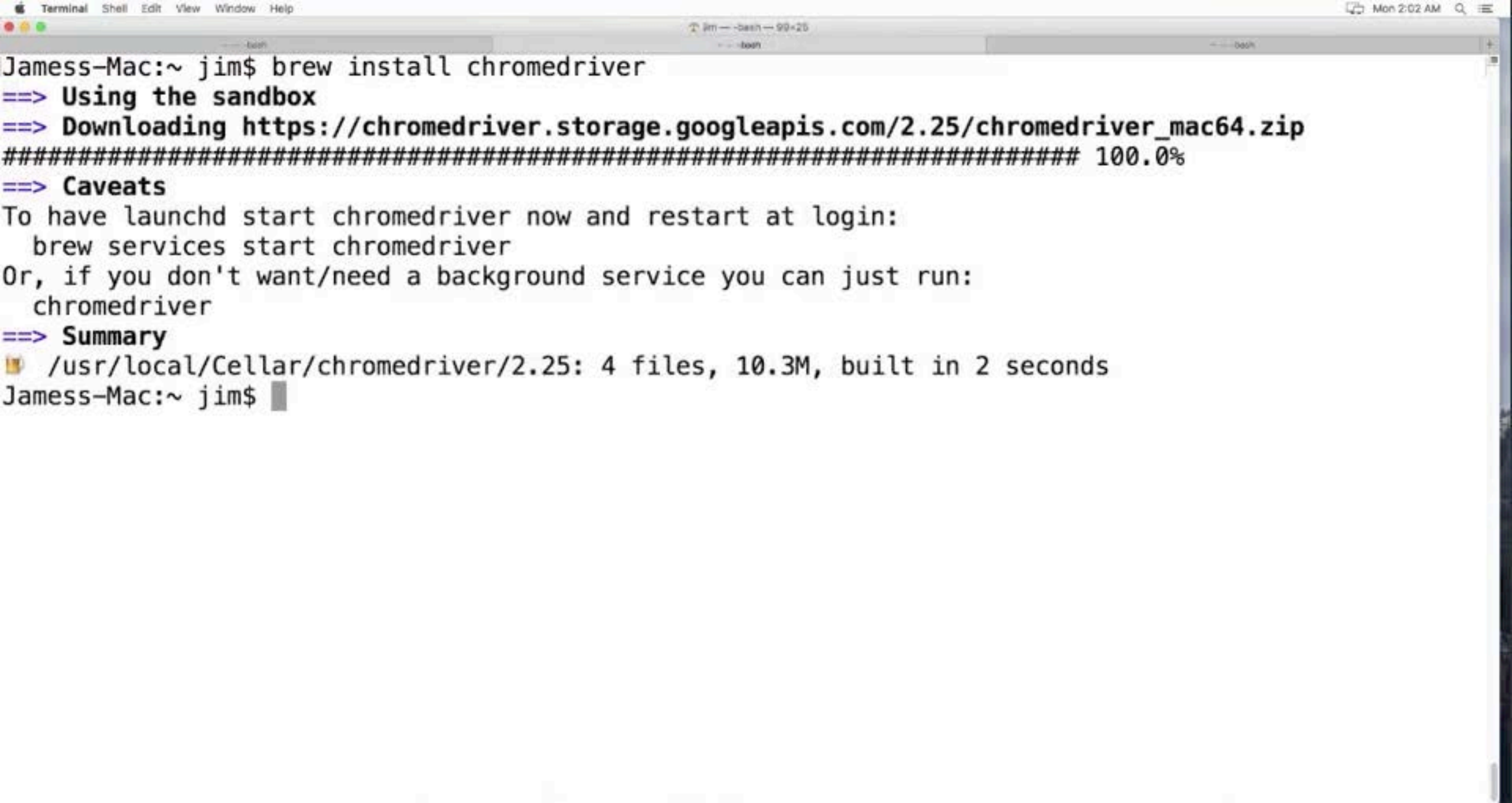
Terminal Shell Edit View Window Help
Mon 2:00 AM
Jamess-Mac:~ jim$ brew install imagemagick
==> Installing dependencies for imagemagick: libtool, xz, jpeg, libpng, libtiff, freetype
==> Installing imagemagick dependency: libtool
==> Downloading https://homebrew.bintray.com/bottles/libtool-2.4.6_1.el_capitan.bottle.tar.gz
100.0%
==> Pouring libtool-2.4.6_1.el_capitan.bottle.tar.gz

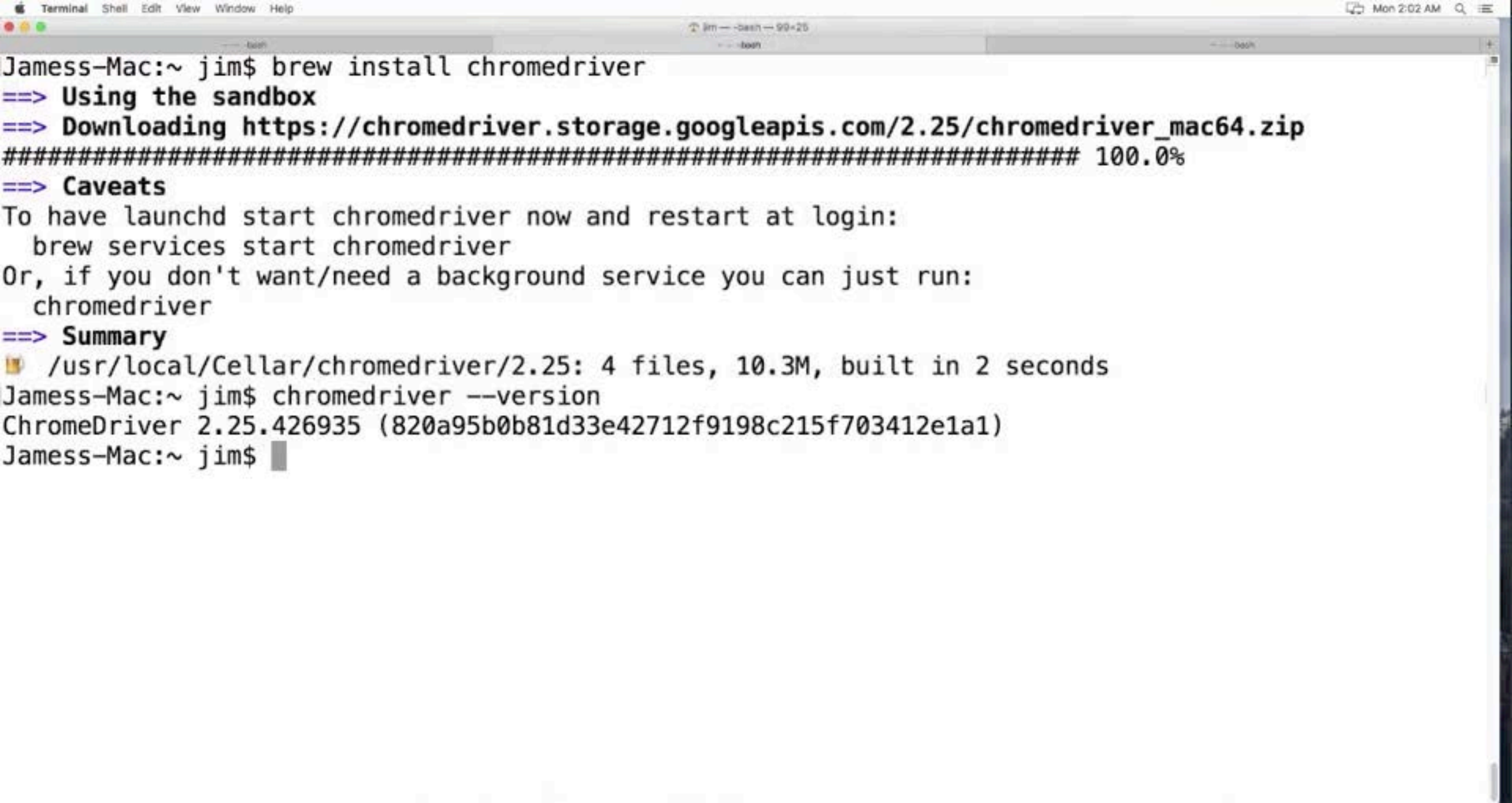

Terminal Shell Edit View Window Help
Mon 2:01 AM
jim — -bash — 99×25
-bash
-bash
-bash
100.0%
==> Pouring libpng-1.6.26.el_capitan.bottle.tar.gz
/usr/local/Cellar/libpng/1.6.26: 26 files, 1.2M
==> Installing imagemagick dependency: libtiff
==> Downloading https://homebrew.bintray.com/bottles/libtiff-4.0.7.el_capitan.bottle.tar.gz
100.0%
==> Pouring libtiff-4.0.7.el_capitan.bottle.tar.gz
/usr/local/Cellar/libtiff/4.0.7: 248 files, 3.3M
==> Installing imagemagick dependency: freetype
==> Downloading https://homebrew.bintray.com/bottles/freetype-2.7.el_capitan.bottle.tar.gz
100.0%
==> Pouring freetype-2.7.el_capitan.bottle.tar.gz
/usr/local/Cellar/freetype/2.7: 61 files, 2.4M
==> Installing imagemagick
==> Downloading https://homebrew.bintray.com/bottles/imagemagick-6.9.6-6.el_capitan.bottle.tar.gz
100.0%
==> Pouring imagemagick-6.9.6-6.el_capitan.bottle.tar.gz
/usr/local/Cellar/imagemagick/6.9.6-6: 1,466 files, 22.1M
Jamess-Mac:~ jim$ mogrify --version
Version: ImageMagick 6.9.6-6 Q16 x86_64 2016-11-25 http://www.imagemagick.org
Copyright: Copyright (C) 1999-2016 ImageMagick Studio LLC
License: http://www.imagemagick.org/script/license.php
Features: Cipher DPC Modules
Delegates (built-in): bzlib freetype jng jpeg ltdl lzma png tiff xml zlib
Jamess-Mac:~ jim$

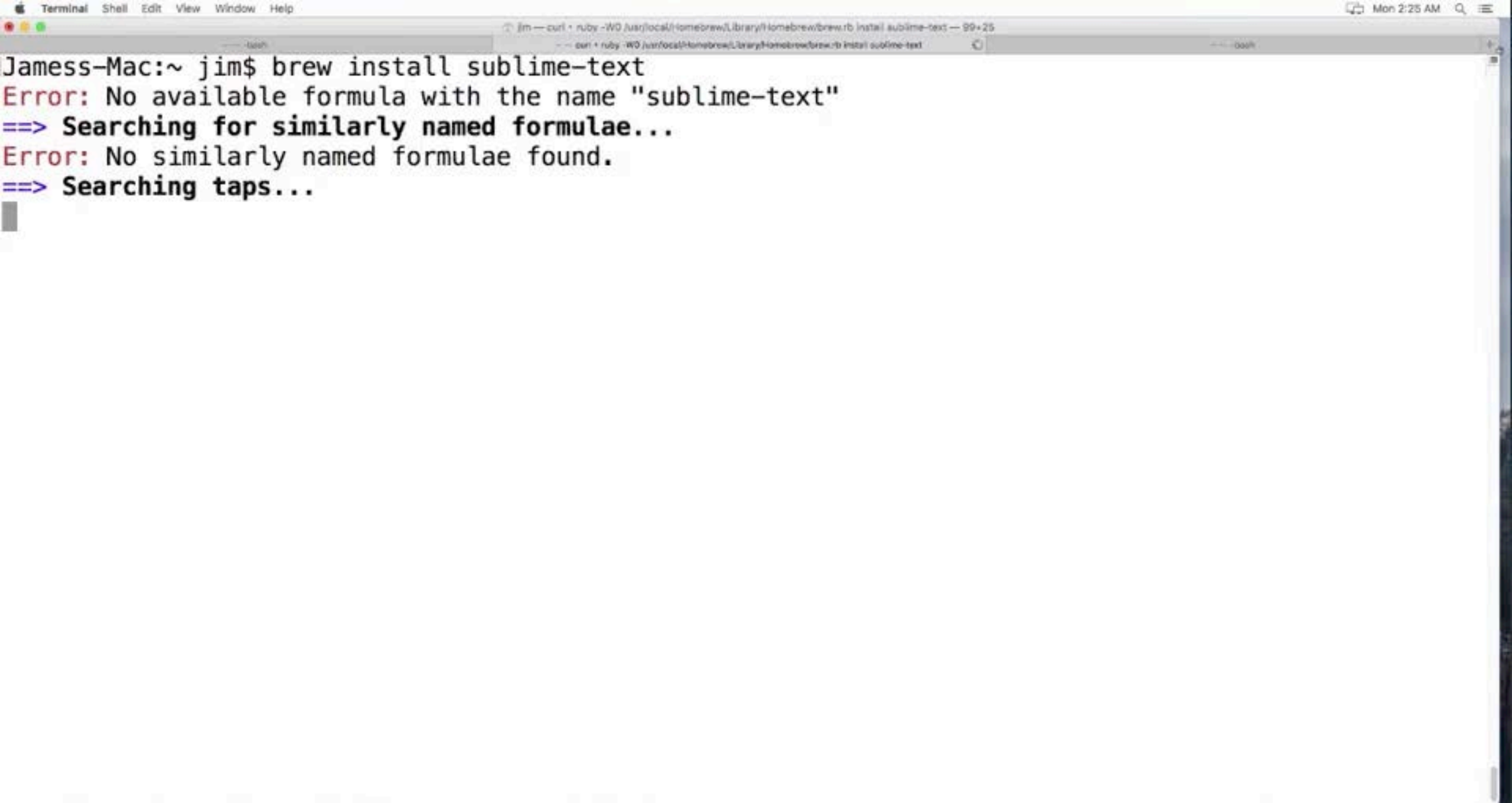
Terminal Shell Edit View Window Help
Mon 2:01 AM
Jim — -bash — 99×25
Jamess-Mac:~ jim$ brew install phantomjs
==> Downloading https://homebrew.bintray.com/bottles/phantomjs-2.1.1.el_capitan.bottle.1.tar.gz
100.0%
==> Pouring phantomjs-2.1.1.el_capitan.bottle.1.tar.gz
/usr/local/Cellar/phantomjs/2.1.1: 49 files, 51.0M
Jamess-Mac:~ jim$

Terminal Shell Edit View Window Help
Mon 2:01 AM
Jamess-Mac:~ jim$ brew install phantomjs
==> Downloading https://homebrew.bintray.com/bottles/phantomjs-2.1.1.el_capitan.bottle.1.tar.gz
100.0%
==> Pouring phantomjs-2.1.1.el_capitan.bottle.1.tar.gz
/usr/local/Cellar/phantomjs/2.1.1: 49 files, 51.0M
Jamess-Mac:~ jim$ phantomjs --version
2.1.1
Jamess-Mac:~ jim$

Terminal Shell Edit View Window Help
Mon 2:02 AM
jim — -bash — 99×25
Jamess-Mac:~ jim$ brew install chromedriver


Terminal Shell Edit View Window Help
Mon 2:02 AM
Jamess-Mac:~ jim$ brew install chromedriver
==> Using the sandbox
==> Downloading https://chromedriver.storage.googleapis.com/2.25/chromedriver_mac64.zip
100.0%
==> Caveats
To have launchd start chromedriver now and restart at login:
brew services start chromedriver
Or, if you don't want/need a background service you can just run:
chromedriver
==> Summary
/usr/local/Cellar/chromedriver/2.25: 4 files, 10.3M, built in 2 seconds
Jamess-Mac:~ jim$


Terminal Shell Edit View Window Help
Mon 2:02 AM
Jamess-Mac:~ jim$ brew install chromedriver
==> Using the sandbox
==> Downloading https://chromedriver.storage.googleapis.com/2.25/chromedriver_mac64.zip
100.0%
==> Caveats
To have launchd start chromedriver now and restart at login:
brew services start chromedriver
Or, if you don't want/need a background service you can just run:
chromedriver
==> Summary
/usr/local/Cellar/chromedriver/2.25: 4 files, 10.3M, built in 2 seconds
Jamess-Mac:~ jim$ chromedriver --version
ChromeDriver 2.25.426935 (820a95b0b81d33e42712f9198c215f703412e1a1)
Jamess-Mac:~ jim$

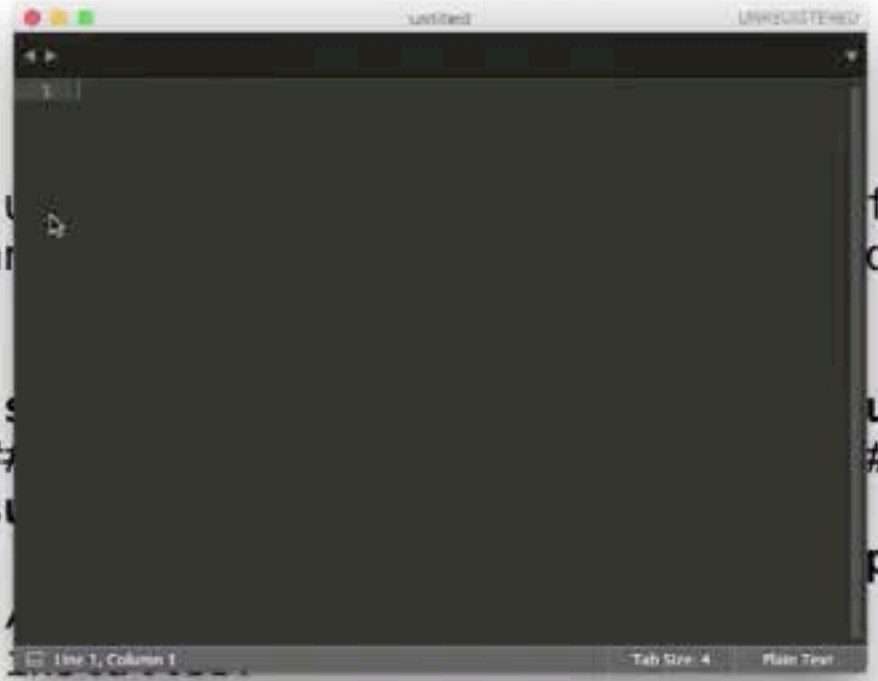

Terminal Shell Edit View Window Help
Mon 2:25 AM
jim — curl • ruby -W0 /usr/local/Homebrew/Library/Homebrew/brew.rb install sublime-text — 99×25
Jamess-Mac:~ jim$ brew install sublime-text
Error: No available formula with the name "sublime-text"
==> Searching for similarly named formulae...
Error: No similarly named formulae found.
==> Searching taps...

```
Jamess-Mac:~ jim$ brew install sublime-text
Error: No available formula with the name "sublime-text"
==> Searching for similarly named formulae...
Error: No similarly named formulae found.
==> Searching taps...
These formulae were found in taps:
Caskroom/cask/sublime-text                          Caskroom/versions/sublime-text2
Caskroom/versions/sublime-text-dev
To install one of them, run (for example):
  brew install Caskroom/cask/sublime-text
Jamess-Mac:~ jim$ brew install Caskroom/cask/sublime-text
==> Tapping caskroom/cask
Cloning into '/usr/local/Homebrew/Library/Taps/caskroom/homebrew-cask'...
remote: Counting objects: 3566, done.
remote: Compressing objects: 100% (3552/3552), done.
remote: Total 3566 (delta 33), reused 204 (delta 10), pack-reused 0
Receiving objects: 100% (3566/3566), 1.16 MiB | 0 bytes/s, done.
Resolving deltas: 100% (33/33), done.
Tapped 0 formulae (3,575 files, 3.6M)
==> brew cask install Caskroom/cask/sublime-text
==> Creating Caskroom at /usr/local/Caskroom
==> We'll set permissions properly so we won't need sudo in the future
Password:
```

```
Cloning into '/usr/local/Homebrew/Library/Taps/caskroom/homebrew-cask'...
remote: Counting objects: 3566, done.
remote: Compressing objects: 100% (3552/3552), done.
remote: Total 3566 (delta 33), reused 204 (delta 10), pack-reused 0
Receiving objects: 100% (3566/3566), 1.16 MiB | 0 bytes/s, done.
Resolving deltas: 100% (33/33), done.
Tapped 0 formulae (3,575 files, 3.6M)
==> brew cask install Caskroom/cask/sublime-text
==> Creating Caskroom at /usr/local/Caskroom
==> We'll set permissions properly so we won't need sudo in the future
Password:
Password:==> Sorry, try again.

==> Caveats
Cask sublime-text installs files under "/usr/local". The presence of such
files can cause warnings when running "brew doctor", which is considered
to be a bug in Homebrew-Cask.

==> Downloading https://download.sublimetext.com/Sublime%20Text%20Build%203126.dmg
######################################################################## 100.0%
==> Verifying checksum for Cask sublime-text
==> Moving App 'Sublime Text.app' to '/Applications/Sublime Text.app'
==> Symlinking Binary 'subl' to '/usr/local/bin/subl'
🍺  sublime-text was successfully installed!
Jamess-Mac:~ jim$
```

```
remote: Compressing objects: 100% (3552/3552), done.
remote: Total 3566 (delta 33), reused 204 (delta 10), pack-reused 0
Receiving objects: 100% (3566/3566), 1.16 MiB | 0 bytes/s, done.
Resolving deltas: 100% (33/33), done.
Tapped 0 formulae (3,575 files, 3.6M)
==> brew cask install Caskroom/cask/sublime-text
==> Creating Caskroom at /usr/local/Caskroom
==> We'll set permissions properly so we won't need sudo in the future
Password:
Password:==> Sorry, try again.

==> Caveats
Cask sublime-text installs files under "/usr/local". The presence of such
files can cause warnings when running "brew doctor", which is considered
to be a bug in Homebrew-Cask.

==> Downloading https://download.sublimetext.com/Sublime%20Text%20Build%203126.dmg
######################################################################## 100.0%
==> Verifying checksum for Cask sublime-text
==> Moving App 'Sublime Text.app' to '/Applications/Sublime Text.app'
==> Symlinking Binary 'subl' to '/usr/local/bin/subl'
🍺  sublime-text was successfully installed!
Jamess-Mac:~ jim$ subl --version
Sublime Text Build 3126
Jamess-Mac:~ jim$
```

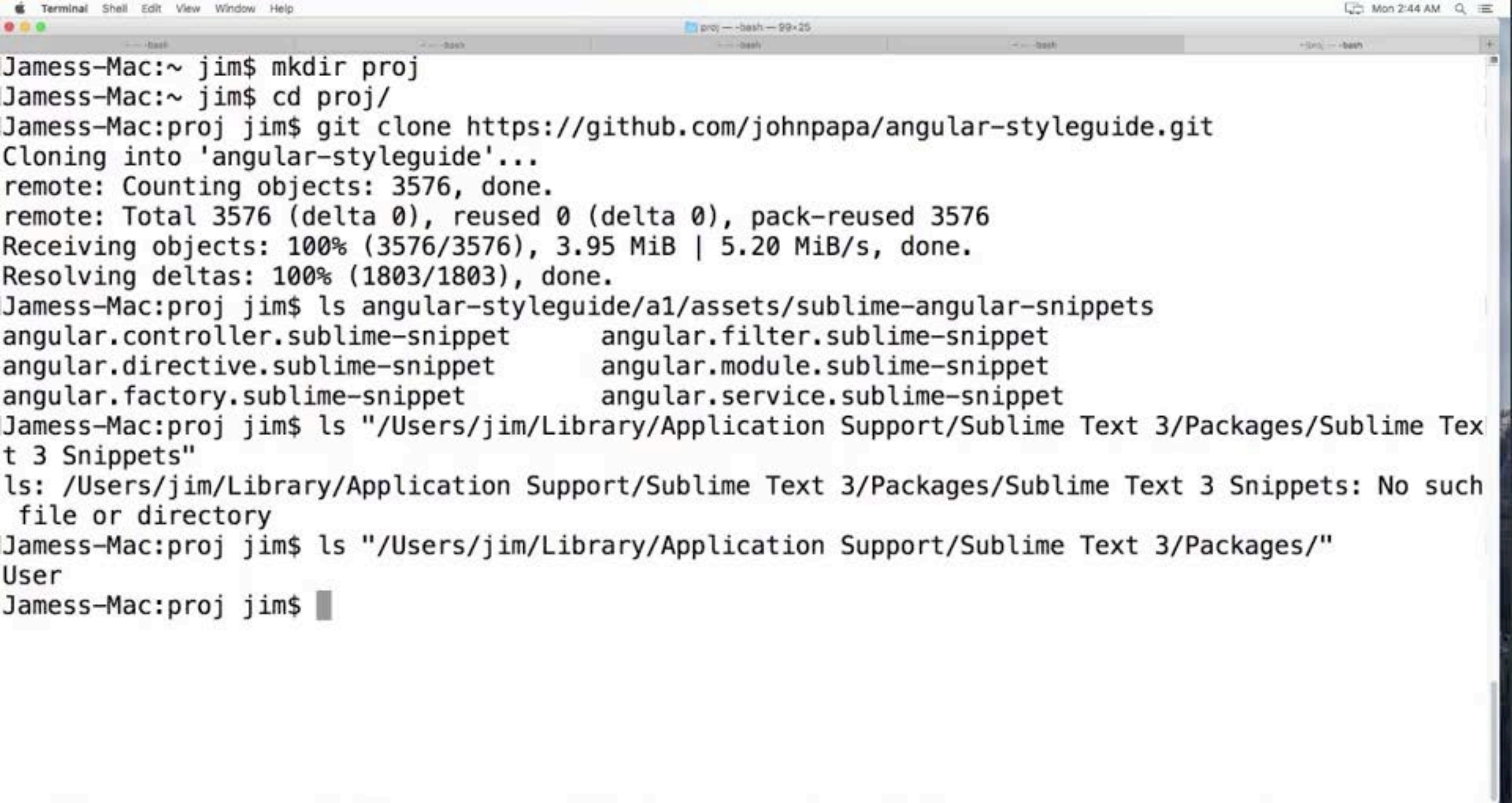
```
remote: Total 3566 (delta 33), reused 204 (delta 10), pack-reused 0
Receiving objects: 100% (3566/3566), 1.16 MiB | 0 bytes/s, done.
Resolving deltas: 100% (33/33), done.
Tapped 0 formulae (3,575 files, 3.6M)
==> brew cask install Caskroom/cask/sublime-text
==> Creating Caskroom at /usr/local/Caskroom
==> We'll set permissions properly so we won't need sudo in the future
Password:
Password:==> Sorry, try again.

==> Caveats
Cask sublime-text installs files u                                  f such
files can cause warnings when runn                                  dered
to be a bug in Homebrew-Cask.

==> Downloading https://download.s                                  uild%203126.dmg
######################################                              ##### 100.0%
==> Verifying checksum for Cask su
==> Moving App 'Sublime Text.app'                                   p'
==> Symlinking Binary 'subl' to '/
🍺  sublime-text was successfully i
Jamess-Mac:~ jim$ subl --version
Sublime Text Build 3126
Jamess-Mac:~ jim$ subl
Jamess-Mac:~ jim$
```



Terminal Shell Edit View Window Help
Mon 2:44 AM
proj — -bash — 99×25
Jamess-Mac:~ jim$ mkdir proj
Jamess-Mac:~ jim$ cd proj/
Jamess-Mac:proj jim$ git clone https://github.com/johnpapa/angular-styleguide.git
Cloning into 'angular-styleguide'...
remote: Counting objects: 3576, done.
remote: Total 3576 (delta 0), reused 0 (delta 0), pack-reused 3576
Receiving objects: 100% (3576/3576), 3.95 MiB | 5.20 MiB/s, done.
Resolving deltas: 100% (1803/1803), done.
Jamess-Mac:proj jim$

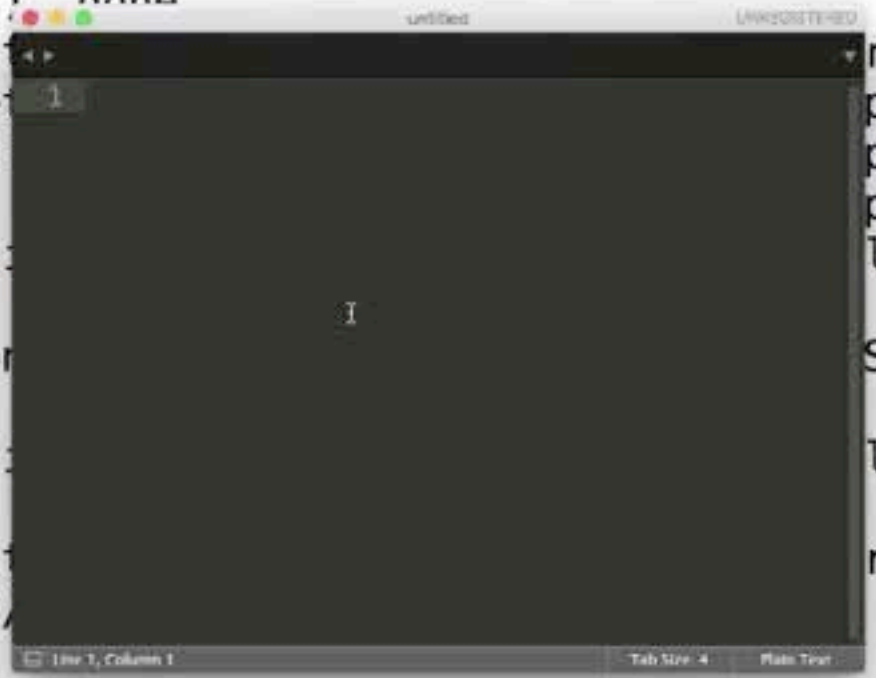
Terminal Shell Edit View Window Help
Mon 2:44 AM
proj — -bash — 99×25
Jamess-Mac:~ jim$ mkdir proj
Jamess-Mac:~ jim$ cd proj/
Jamess-Mac:proj jim$ git clone https://github.com/johnpapa/angular-styleguide.git
Cloning into 'angular-styleguide'...
remote: Counting objects: 3576, done.
remote: Total 3576 (delta 0), reused 0 (delta 0), pack-reused 3576
Receiving objects: 100% (3576/3576), 3.95 MiB | 5.20 MiB/s, done.
Resolving deltas: 100% (1803/1803), done.
Jamess-Mac:proj jim$ ls angular-styleguide/a1/assets/sublime-angular-snippets
angular.controller.sublime-snippet
angular.directive.sublime-snippet
angular.factory.sublime-snippet
angular.filter.sublime-snippet
angular.module.sublime-snippet
angular.service.sublime-snippet
Jamess-Mac:proj jim$

Terminal Shell Edit View Window Help
Mon 2:44 AM
proj — -bash — 99×25
Jamess-Mac:~ jim$ mkdir proj
Jamess-Mac:~ jim$ cd proj/
Jamess-Mac:proj jim$ git clone https://github.com/johnpapa/angular-styleguide.git
Cloning into 'angular-styleguide'...
remote: Counting objects: 3576, done.
remote: Total 3576 (delta 0), reused 0 (delta 0), pack-reused 3576
Receiving objects: 100% (3576/3576), 3.95 MiB | 5.20 MiB/s, done.
Resolving deltas: 100% (1803/1803), done.
Jamess-Mac:proj jim$ ls angular-styleguide/a1/assets/sublime-angular-snippets
angular.controller.sublime-snippet
angular.directive.sublime-snippet
angular.factory.sublime-snippet
angular.filter.sublime-snippet
angular.module.sublime-snippet
angular.service.sublime-snippet
Jamess-Mac:proj jim$ ls "/Users/jim/Library/Application Support/Sublime Text 3/Packages/Sublime Tex
t 3 Snippets"
ls: /Users/jim/Library/Application Support/Sublime Text 3/Packages/Sublime Text 3 Snippets: No such
file or directory
Jamess-Mac:proj jim$

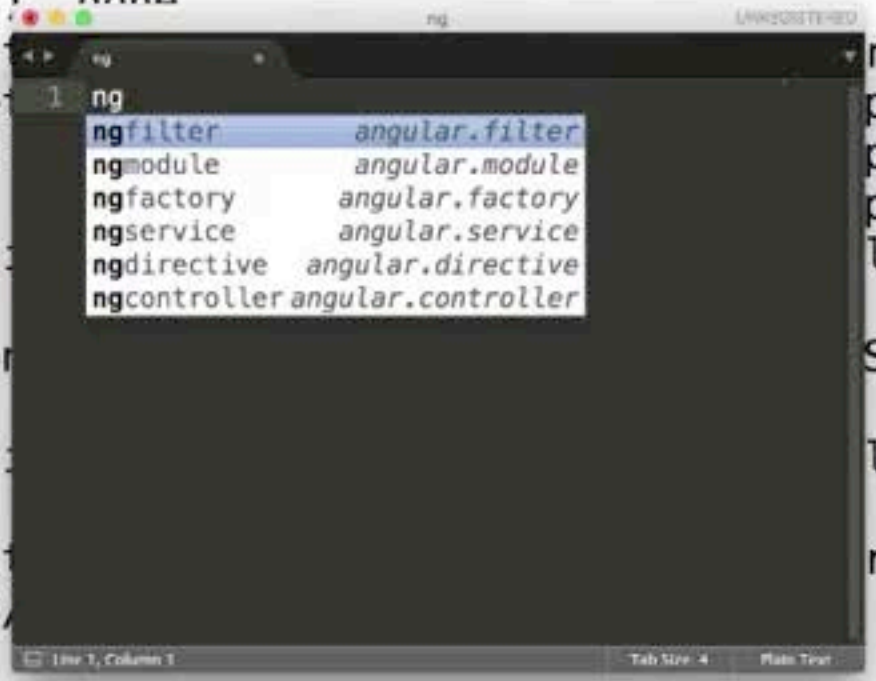

Terminal Shell Edit View Window Help
Mon 2:44 AM
proj — -bash — 99×25
Jamess-Mac:~ jim$ mkdir proj
Jamess-Mac:~ jim$ cd proj/
Jamess-Mac:proj jim$ git clone https://github.com/johnpapa/angular-styleguide.git
Cloning into 'angular-styleguide'...
remote: Counting objects: 3576, done.
remote: Total 3576 (delta 0), reused 0 (delta 0), pack-reused 3576
Receiving objects: 100% (3576/3576), 3.95 MiB | 5.20 MiB/s, done.
Resolving deltas: 100% (1803/1803), done.
Jamess-Mac:proj jim$ ls angular-styleguide/a1/assets/sublime-angular-snippets
angular.controller.sublime-snippet angular.filter.sublime-snippet
angular.directive.sublime-snippet angular.module.sublime-snippet
angular.factory.sublime-snippet angular.service.sublime-snippet
Jamess-Mac:proj jim$ ls "/Users/jim/Library/Application Support/Sublime Text 3/Packages/Sublime Tex
t 3 Snippets"
ls: /Users/jim/Library/Application Support/Sublime Text 3/Packages/Sublime Text 3 Snippets: No such
file or directory
Jamess-Mac:proj jim$ ls "/Users/jim/Library/Application Support/Sublime Text 3/Packages/"
User
Jamess-Mac:proj jim$

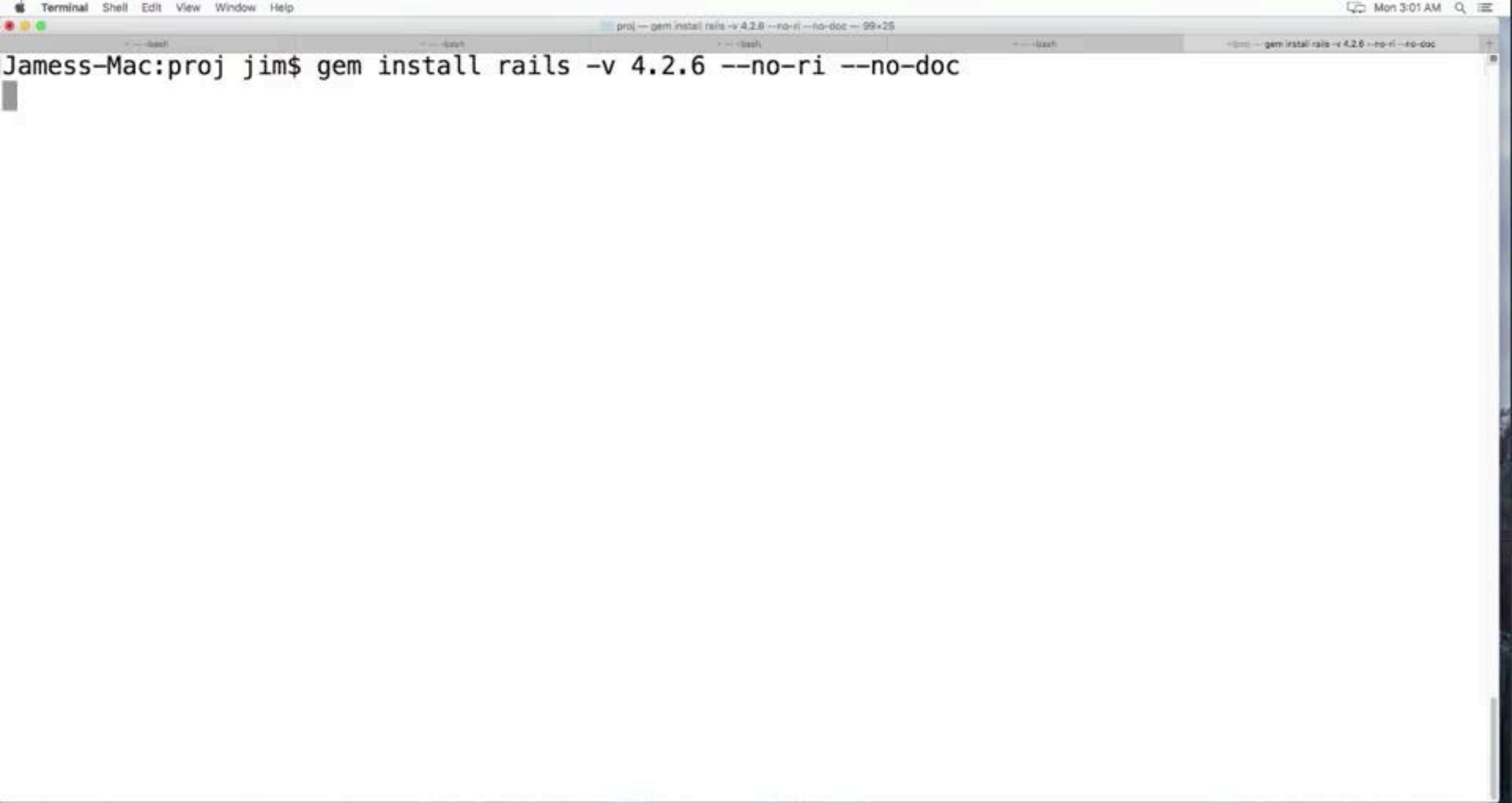
```
Jamess-Mac:~ jim$ mkdir proj
Jamess-Mac:~ jim$ cd proj/
Jamess-Mac:proj jim$ git clone https://github.com/johnpapa/angular-styleguide.git
Cloning into 'angular-styleguide'...
remote: Counting objects: 3576, done.
remote: Total 3576 (delta 0), reused 0 (delta 0), pack-reused 3576
Receiving objects: 100% (3576/3576), 3.95 MiB | 5.20 MiB/s, done.
Resolving deltas: 100% (1803/1803), done.
Jamess-Mac:proj jim$ ls angular-styleguide/a1/assets/sublime-angular-snippets
angular.controller.sublime-snippet      angular.filter.sublime-snippet
angular.directive.sublime-snippet       angular.module.sublime-snippet
angular.factory.sublime-snippet         angular.service.sublime-snippet
Jamess-Mac:proj jim$ ls "/Users/jim/Library/Application Support/Sublime Text 3/Packages/Sublime Tex
t 3 Snippets"
ls: /Users/jim/Library/Application Support/Sublime Text 3/Packages/Sublime Text 3 Snippets: No such
 file or directory
Jamess-Mac:proj jim$ ls "/Users/jim/Library/Application Support/Sublime Text 3/Packages/"
User
Jamess-Mac:proj jim$ mv angular-styleguide/a1/assets/sublime-angular-snippets "/Users/jim/Library/A
pplication Support/Sublime Text 3/Packages/Sublime Text 3 Snippets"
Jamess-Mac:proj jim$ sub
```

```
Jamess-Mac:~ jim$ mkdir proj
Jamess-Mac:~ jim$ cd proj/
Jamess-Mac:proj jim$ git clone https://github.com/johnpapa/angular-styleguide.git
Cloning into 'angular-styleguide'...
remote: Counting objects: 3576, done.
remote: Total 3576 (delta 0), reused 0 (delta 0), pack-reused 3576
Receiving objects: 100% (3576/3576), 3.95 MiB | 5.20 MiB/s, done.
Resolving deltas: 100% (1803/1803), done.
Jamess-Mac:proj jim$ ls angular-st                                  r-snippets
angular.controller.sublime-snippet                                  pet
angular.directive.sublime-snippet                                   pet
angular.factory.sublime-snippet                                     ppet
Jamess-Mac:proj jim$ ls "/Users/ji                                  lime Text 3/Packages/Sublime Tex
t 3 Snippets"
ls: /Users/jim/Library/Applicatio                                   Sublime Text 3 Snippets: No such
 file or directory
Jamess-Mac:proj jim$ ls "/Users/ji                                  lime Text 3/Packages/"
User
Jamess-Mac:proj jim$ mv angular-st                                  r-snippets "/Users/jim/Library/A
pplication Support/Sublime Text 3/
Jamess-Mac:proj jim$ subl
Jamess-Mac:proj jim$
```



```
Jamess-Mac:~ jim$ mkdir proj
Jamess-Mac:~ jim$ cd proj/
Jamess-Mac:proj jim$ git clone https://github.com/johnpapa/angular-styleguide.git
Cloning into 'angular-styleguide'...
remote: Counting objects: 3576, done.
remote: Total 3576 (delta 0), reused 0 (delta 0), pack-reused 3576
Receiving objects: 100% (3576/3576), 3.95 MiB | 5.20 MiB/s, done.
Resolving deltas: 100% (1803/1803), done
Jamess-Mac:proj jim$ ls angular-s                                    r-snippets
angular.controller.sublime-snippe                                    pet
angular.directive.sublime-snippet                                    pet
angular.factory.sublime-snippet                                      ppet
Jamess-Mac:proj jim$ ls "/Users/j                                    lime Text 3/Packages/Sublime Tex
t 3 Snippets"
ls: /Users/jim/Library/Applicatio                                    Sublime Text 3 Snippets: No such
 file or directory
Jamess-Mac:proj jim$ ls "/Users/j                                    lime Text 3/Packages/"
User
Jamess-Mac:proj jim$ mv angular-s                                    r-snippets "/Users/jim/Library/A
pplication Support/Sublime Text 3/
Jamess-Mac:proj jim$ subl
Jamess-Mac:proj jim$
```




Terminal Shell Edit View Window Help
Mon 3:01 AM
proj — gem install rails -v 4.2.6 --no-ri --no-doc — 99×25
gem install rails -v 4.2.6 --no-ri --no-doc
Jamess-Mac:proj jim$ gem install rails -v 4.2.6 --no-ri --no-doc

```
Successfully installed globalid-0.3.7
Fetching: activejob-4.2.6.gem (100%)
Successfully installed activejob-4.2.6
Fetching: mime-types-data-3.2016.0521.gem (100%)
Successfully installed mime-types-data-3.2016.0521
Fetching: mime-types-3.1.gem (100%)
Successfully installed mime-types-3.1
Fetching: mail-2.6.4.gem (100%)
Successfully installed mail-2.6.4
Fetching: actionmailer-4.2.6.gem (100%)
Successfully installed actionmailer-4.2.6
Fetching: thor-0.19.4.gem (100%)
Successfully installed thor-0.19.4
Fetching: railties-4.2.6.gem (100%)
Successfully installed railties-4.2.6
Fetching: bundler-1.13.6.gem (100%)
Successfully installed bundler-1.13.6
Fetching: sprockets-3.7.0.gem (100%)
Successfully installed sprockets-3.7.0
Fetching: sprockets-rails-3.2.0.gem (100%)
Successfully installed sprockets-rails-3.2.0
Fetching: rails-4.2.6.gem (100%)
Successfully installed rails-4.2.6
32 gems installed
Jamess-Mac:proj jim$
```

Terminal Shell Edit View Window Help
Mon 3:04 AM

```
Successfully installed mime-types-data-3.2016.0521
Fetching: mime-types-3.1.gem (100%)
Successfully installed mime-types-3.1
Fetching: mail-2.6.4.gem (100%)
Successfully installed mail-2.6.4
Fetching: actionmailer-4.2.6.gem (100%)
Successfully installed actionmailer-4.2.6
Fetching: thor-0.19.4.gem (100%)
Successfully installed thor-0.19.4
Fetching: railties-4.2.6.gem (100%)
Successfully installed railties-4.2.6
Fetching: bundler-1.13.6.gem (100%)
Successfully installed bundler-1.13.6
Fetching: sprockets-3.7.0.gem (100%)
Successfully installed sprockets-3.7.0
Fetching: sprockets-rails-3.2.0.gem (100%)
Successfully installed sprockets-rails-3.2.0
Fetching: rails-4.2.6.gem (100%)
Successfully installed rails-4.2.6
32 gems installed
Jamess-Mac:proj jim$ rbenv rehash
Jamess-Mac:proj jim$ rails -v
Expected string default value for '--rc'; got false (boolean)
Rails 4.2.6
Jamess-Mac:proj jim$
```

Terminal Shell Edit View Window Help
Mon 3:05 AM
proj — gem install rails-api — 99×25
gem install rails-api
Jamess-Mac:proj jim$ gem install rails-api

Terminal Shell Edit View Window Help
Mon 3:05 AM
Jamess-Mac:proj jim$ gem install rails-api
Fetching: rails-api-0.4.0.gem (100%)
Successfully installed rails-api-0.4.0
Parsing documentation for rails-api-0.4.0
Installing ri documentation for rails-api-0.4.0
Done installing documentation for rails-api after 0 seconds
1 gem installed
Jamess-Mac:proj jim$

Terminal Shell Edit View Window Help
Mon 3:06 AM
proj — gem install bundler --no-ri --no-doc — 99×25
Jamess-Mac:proj jim$ gem install bundler --no-ri --no-doc

Terminal Shell Edit View Window Help
Mon 3:07 AM
proj — -bash — 99×25
Jamess-Mac:proj jim$ gem install bundler --no-ri --no-doc
Successfully installed bundler-1.13.6
1 gem installed
Jamess-Mac:proj jim$

Development Environment Software to Install

- Chrome (latest) - assumed
- Firefox (v45.x ESR)
- Homebrew
- Git (latest)
- Ruby (>= v2.2)
- PostgreSQL (latest)
- MongoDB (latest)
- Node.js (latest)
- ImageMagick (v6.9.x)
- PhantomJS (v2.1.1)
- Chrome Driver (v2.25)
- Editor (Sublime Text 3)
- Rails (v4.2.6)
- Rails-api
- Bundler

Summary

- Software installation for MacOS

What's Next

- Software Installation on Windows