

Part 1. Chromium

1) *depot_tools*을 로컬로 가져오기.

```
$ git clone https://chromium.googlesource.com/chromium/tools/depot_tools.git
```

2) PATH 환경 변수 설정하기.

- ~/.bashrc
- 반드시 absolute path 또는 \$HOME 사용

```
$ export PATH="$PATH:/path/to/depot_tools"
```

3) *depot_tools*의 *fetch* 툴 사용해서 Chromium 코드 다운로드하기.

```
$ mkdir ~/chromium  
$ cd ~/chromium  
$ fetch --nohooks chromium
```

최소 30분
소요 예상!



Part 1. Chromium

4) 특정 버전으로 불러오기.

```
$ git checkout 91.0.4472.0~2
```

Q. 올바른 버전으로 스위치 되었는지 어떻게 확인할 수 있나요?

다음 파일을 열어 보세요!

```
$ vim src/chrome/VERSION
```

5) 브랜치 생성하기.

브랜치는 여러 개발자들이 다양한 작업을 동시에 독립적으로 진행할 수 있게 해주며, 그 중 필요 없는 작업을 쉽게 없애거나 적용할 수 있게 해줍니다.

```
$ git checkout -b <branch_name>
```

Part 2. webOS Open Source Edition

1) webOS OSE의 코드 다운로드하기.

```
$ git clone https://github.com/webosose/chromium91.git
```

2) 적용할 패치 생성하기.

<https://github.com/webosose/chromium91/commit/7cef9376f8f6f59d7dc8f572716c1aaf28b3d9b2>

```
$ git format-patch -1 7cef9376f8f6f59d7dc8f572716c1aaf28b3d9b2
```

3) 패치 적용하기

※ 오류가 발생한다면? 힌트: *patch* 명령어는 반드시 root directory 위에서 실행해야 합니다. 해당 repository의 root directory가 어디인지 파악해 보세요.

```
$ patch -p1 < <patch_file>
```

Part 2. webOS Open Source Edition

4) 스테이지 깨끗한지 확인하기.

```
$ git status
```

```
LGESCSWPBLD102V[lina.park /home/lina.park/webos_cr91/chromium91]$ cd src/  
LGESCSWPBLD102V[lina.park /home/lina.park/webos_cr91/chromium91/src]$ git status  
On branch master  
Your branch is up to date with 'origin/master'.  
  
Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
  
    0001-op-n_ups-build-base-Snapshot-of-neva-chromium-1.5-re.patch  
  
nothing added to commit but untracked files present (use "git add" to track)  
LGESCSWPBLD102V[lina.park /home/lina.park/webos_cr91/chromium91/src]$
```

Part 2. webOS Open Source Edition

4-1) 스테이지 정리하기.

- *patch* 실행 후 생긴 .rej 파일 삭제
- 패치에서 수정된 파일들을 "staging area"(= Git 대기실)에 등록한다.

```
$ git add <file_name>
```

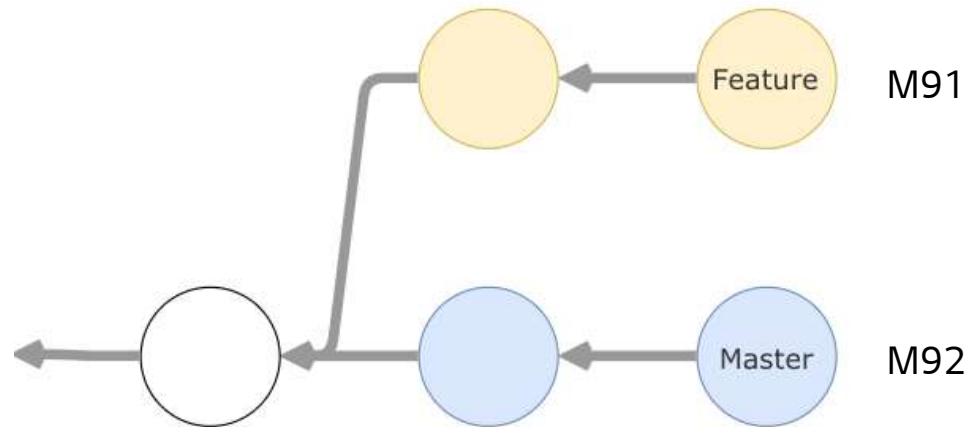
- 로컬 repository에 수정된 파일들을 저장하기.

```
$ git commit -m <message>
```

Part 3. Merge

1) Chromium 91.0.4515.0~2 \Rightarrow 92.0.4515.0~2

```
$ git merge --no-ff 92.0.4515.0~2
```



Git 커맨드 모음 😊

git clone	git status	git add
git checkout	git diff	git commit
git format-patch	git log	git merge
	git blame	



미리
알아두면
좋아요!

Part 3. Merge

```
$ git status
```

```
modified:   weblayer/test/DEPS
new file:   weblayer/test/data/french_page_no_translate.html
modified:   weblayer/test/stub_autofill_provider.cc
modified:   weblayer/test/stub_autofill_provider.h
modified:   weblayer/test/subresource_filter_browser_test_harness.cc
modified:   weblayer/test/test_navigation_observer.h
modified:   weblayer/test/weblayer_browser_test.h
modified:   weblayer/test/weblayer_browser_test_utils.cc
modified:   weblayer/test/weblayer_browser_test_utils.h
modified:   weblayer/utility/content_utility_client_impl.h
modified:   weblayer/weblayer_resource_exclusions.gni

Unmerged paths:
(use "git add <file>..." to mark resolution)

both modified: DEPS
both modified: base/allocator/partition_allocator/starscan/pcscan.cc
both modified: base/optional.h
both modified: build/config/linux/gtk/gtk.gni
both modified: chrome/browser/ui/views/chrome_browser_main_extra_parts_views_linux.cc
both modified: components/os_crypt/features.gni
both modified: content/browser/BUILD.gn
both modified: content/browser/renderer_host/code_cache_host_impl.cc
both modified: content/browser/renderer_host/render_widget_host_view_aura.cc
both modified: content/browser/web_contents/web_contents_impl.h
both modified: content/common/frame_messages.h
both modified: content/public/browser/BUILD.gn
both modified: content/public/browser/content_browser_client.h
both modified: content/public/browser/web_contents.h
both modified: content/public/browser/web_contents_observer.h
both modified: content/public/renderer/render_frame.h
both modified: content/renderer/media/renderer_webmediaplayer_delegate.h
both modified: content/renderer/render_frame_impl.cc
both modified: content/renderer/render_thread_impl.h
both modified: content/renderer/render_view_impl.cc
both modified: content/renderer/render_view_impl.h
both modified: content/utility/utility_main.cc
both modified: extensions/browser/extension_function_histogram_value.h
both modified: extensions/shell/browser/shell_browser_main_parts.h
both modified: gpu/config/gpu_driver_bug_list.json
both modified: media/base/renderer_factory_selector.h
both modified: media/base/video_decoder_config.h
```


Part 3. Merge

```
$ git blame <file_name>
```

```
d3aa0e87b33423 (estade 2016-02-17 14:55:21 -0800 1) // Copyright 2016 The Chromium Authors. All rights reserved.
d3aa0e87b33423 (estade 2016-02-17 14:55:21 -0800 2) // Use of this source code is governed by a BSD-style licens
e that can be
d3aa0e87b33423 (estade 2016-02-17 14:55:21 -0800 3) // found in the LICENSE file.
d3aa0e87b33423 (estade 2016-02-17 14:55:21 -0800 4)
d3aa0e87b33423 (estade 2016-02-17 14:55:21 -0800 5) #include "chrome/browser/ui/views/chrome_browser_main_extra_
parts_views_linux.h"
d3aa0e87b33423 (estade 2016-02-17 14:55:21 -0800 6)
92364484e7eeb (Peter Kasting 2019-10-31 21:38:06 +0000 7) #include "chrome/browser/themes/theme_service_aura_linux.h"
e637f2d724cda0 (Maksim Sisov 2020-04-01 16:26:44 +0000 8) #include "chrome/browser/ui/browser_list.h"
2e3beeadb7a48a (thomasanderson 2017-06-07 20:26:12 -0700 9) #include "chrome/browser/ui/views/theme_profile_key.h"
bf89dc63f3c8ce (Tom Anderson 2021-04-20 20:19:59 +0000 10) #include "ui/base/buildflags.h"
c2a0b64edf84cc (Stephan Hartmann 2020-12-06 14:46:57 +0000 11) #include "ui/base/cursor/cursor_factory.h"
41a6b0a29c2370 (Maksim Sisov 2020-11-25 06:22:15 +0000 12) #include "ui/base/ime/linux/fake_input_method_context_factor
y.h"
e637f2d724cda0 (Maksim Sisov 2020-04-01 16:26:44 +0000 13) #include "ui/display/screen.h"
d3aa0e87b33423 (estade 2016-02-17 14:55:21 -0800 14) #include "ui/views/linux_ui/linux_ui.h"
d3aa0e87b33423 (estade 2016-02-17 14:55:21 -0800 15)
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 16) ///@name USE_NEVA_APPRUNTIME
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 17) ///@{
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 18) #if defined(OZONE_PLATFORM_WAYLAND_EXTERNAL)
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 19) #include "ozone/ui/webui/ozone_webui.h"
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 20) #endif // defined(OZONE_PLATFORM_WAYLAND_EXTERNAL)
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 21)
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 22) #if defined(USE_OZONE)
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 23) #include "ui/ozone/public/ozone_platform.h"
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 24) #endif // defined(USE_OZONE)
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 25) ///@}
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 26)
4079d37114e1dd (Nick Diego Yamane 2020-03-28 00:43:01 +0000 27) #if BUILDFLAG(USE_GTK)
bf89dc63f3c8ce (Tom Anderson 2021-04-20 20:19:59 +0000 28) #include "ui/gtk/gtk_ui_factory.h"
4079d37114e1dd (Nick Diego Yamane 2020-03-28 00:43:01 +0000 29) #endif
4079d37114e1dd (Nick Diego Yamane 2020-03-28 00:43:01 +0000 30)
be4697413dadf6 (Henrique Ferreira 2020-06-24 07:31:54 +0000 31) #if defined(USE_OZONE)
41a6b0a29c2370 (Maksim Sisov 2020-11-25 06:22:15 +0000 32) #include "ui/base/ime/input_method.h"
8aa385f10e3a32 (Tom Anderson 2021-04-23 00:07:46 +0000 33) #include "ui/base/linux/linux_ui_delegate.h"
41a6b0a29c2370 (Maksim Sisov 2020-11-25 06:22:15 +0000 34) #include "ui/base/ui_base_features.h"
41a6b0a29c2370 (Maksim Sisov 2020-11-25 06:22:15 +0000 35) #include "ui/ozone/public/ozone_platform.h"
be4697413dadf6 (Henrique Ferreira 2020-06-24 07:31:54 +0000 36) #endif
be4697413dadf6 (Henrique Ferreira 2020-06-24 07:31:54 +0000 37)
4079d37114e1dd (Nick Diego Yamane 2020-03-28 00:43:01 +0000 38) namespace {
4079d37114e1dd (Nick Diego Yamane 2020-03-28 00:43:01 +0000 39)
00000000000000 (Not Committed Yet 2022-03-11 09:17:53 +0900 40) <<<<<< HEAD
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 41) #if defined(USE_OZONE)
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 42) void InitializeUI(views::LinuxUI** linux_ui) {
3abb191df9a8c4 (park-lina 2022-03-04 08:46:44 +0900 43) #if defined(OZONE_PLATFORM_WAYLAND_EXTERNAL)
```