

Download Panel & Content Handler

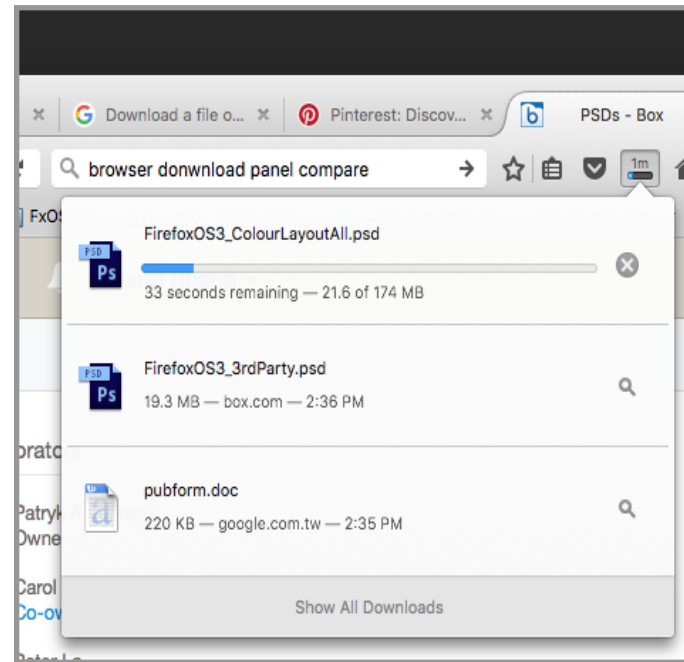
Mozilla Firefox

Release Notes

V 0.1	APR 08, 2016	Morpheus Chen	Create draft for download panel & content handler
	APR 10, 2016	Morpheus, Bryant Mao	Create download flow chart
	APR 13, 2016	Morpheus, Bryant	Create hover flow and download icon on toolbar flow
V 0.2	APR 16, 2016	Morpheus, Bryant	Update hover flow and add malware, uncommon and unwated
	APR 20, 2016	Morpheus, Bryant	Add flow for content handler
	APR 26, 2016	Morpheus, Bryant	Update flow for hover state and content handler
V 0.3	APR 28, 2016	Morpheus, Bryant	Update grouped notifications, clear list, and hover state.
	APR 30, 2016	Stephen Horlander, Morpheus, Bryant	Blend in Stephen's previous proposals about download panel
V 0.4	MAY 06, 2016	Sevaan Franks, Morpheus, Bryant	Include all detailed spec from Sevaan about malware
V 0.8	MAY 13, 2016	Morpheus, Bryant	Update badge design, right click and content handler
V 0.9	MAY 16, 2016	Morpheus, Bryant	Update handler locations and split to file and protocol handlers
V 1.0	MAY 25, 2016	Morpheus, Bryant	Add flow of removing file/protocol type from handler
			Add flow of opening default/non-default protocol link
			Update current/redesigned content handling flow chart
			Add project briefing

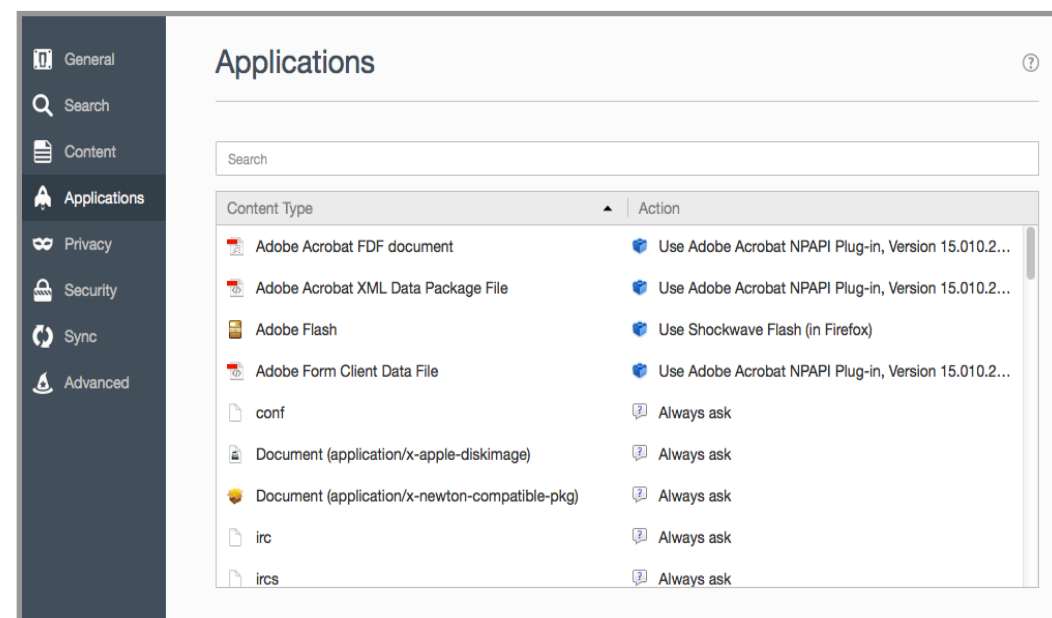


OVERVIEW



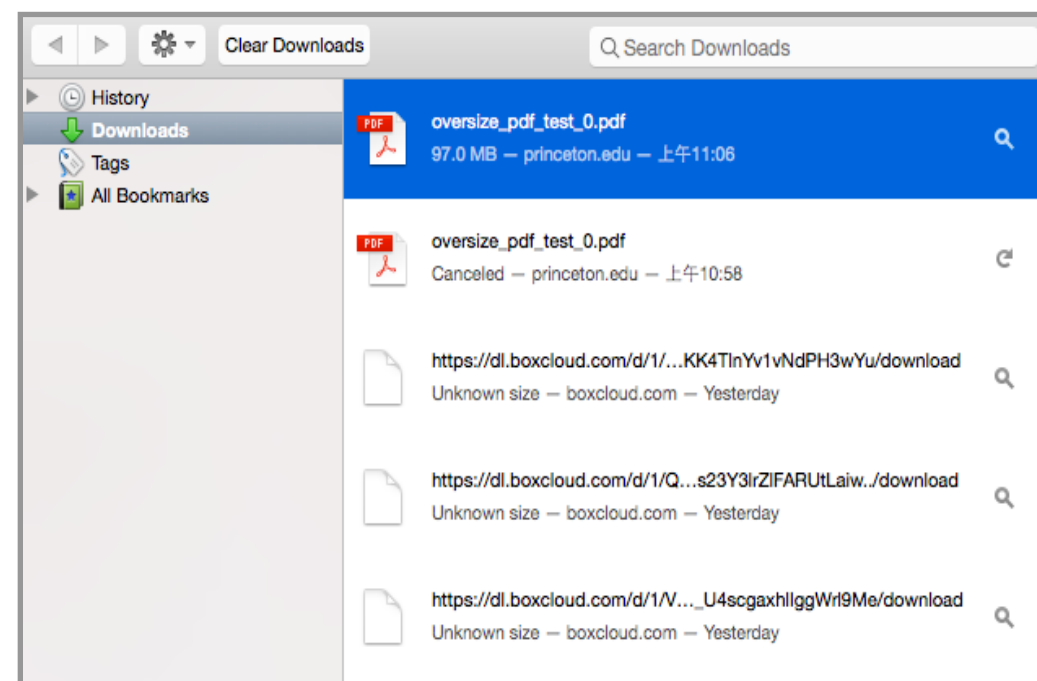
Download panel

The section includes the UX details for download icon on toolbar, download panel and all download status. The design principle is to provide the most important information and useful actions for entire download flow.



Applications

The section includes the UX details for file handlers, protocol handlers and advanced settings. Content handler provides specific configurations for user to control the default settings for different files and protocols.



Download library (Out of scope)

The section contains the UX details for download manager. Download manager is another space to provide user not only entire download history but also more actions than download panel.

Note: it is planned to blend into activity stream



Project Briefing

*Streamline the experience of utilizing the web content,
but do not lose the flexibility Firefox has by keeping advanced options in context.*

OVERALL

- Access to content as fast as possible
- Raise the awareness of overall content handing process
- Do what the web do best and handover tasks to OS if it can do better
- Information and actions should be delivered contextually
- Make the default action easy, the advanced powerful

FILE

- Preview the file in the browser as long as we can. otherwise download it directly
- Make concurrent downloads in summary more visible
- Allow users to use different handlers to render files on browser

PROTOCOL

- Only request users' attention if there is no available handler to open the protocol
- Make handler of preference more visible and understandable
- Allow users to set applications as specified handler in one click

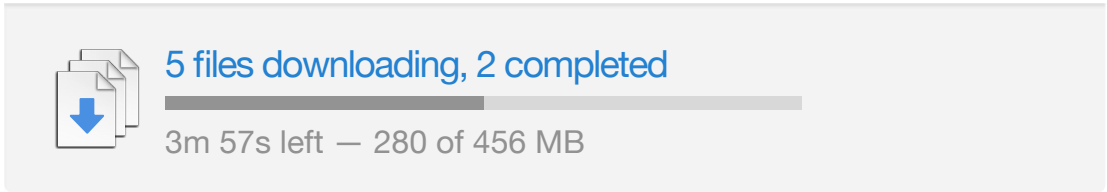


Term Specification

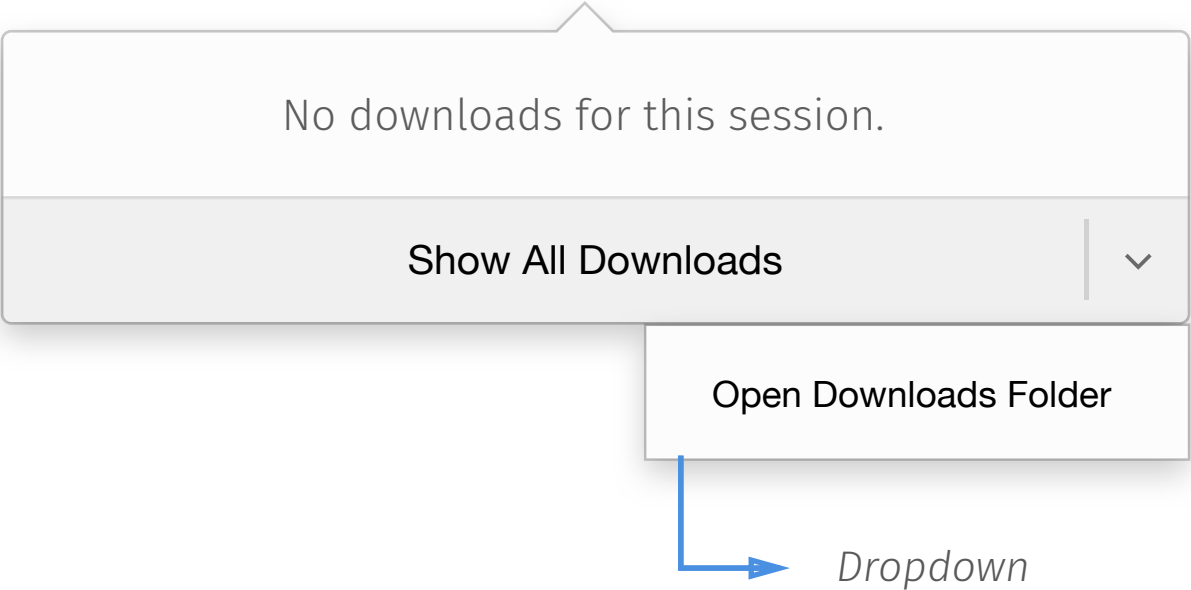
Notification



Download Summary



Download Panel

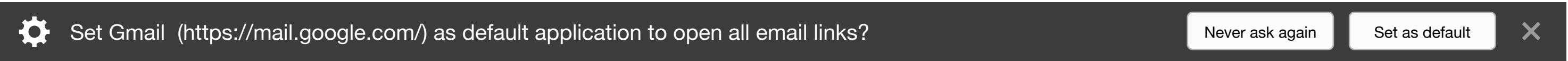


Handler

Protocol	Default Action
mailto	Open with Gmail
irc	Open with Mitbit
webcal	Open with 30 boxes

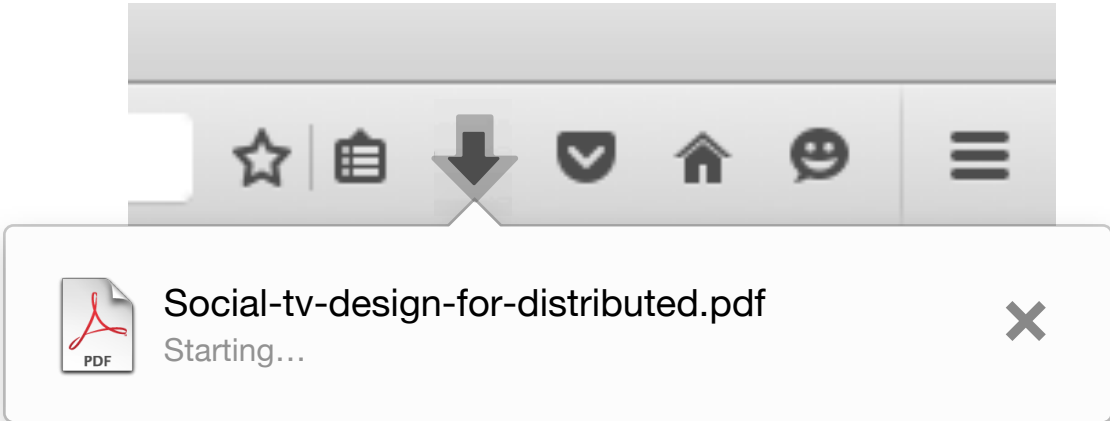
Default Handler

Notification Bar



DOWNLOAD PANEL

Download Flow on Toolbar



Start Download

- 1. Pop out download notification immediately
- 2. Hide the download notification after 5 seconds



Downloading

- 1. While downloading, show progress bar on download icon
- 2. Multiple files downloading, show overall progress



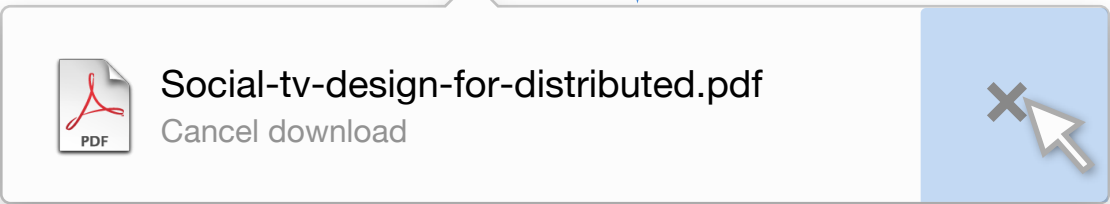
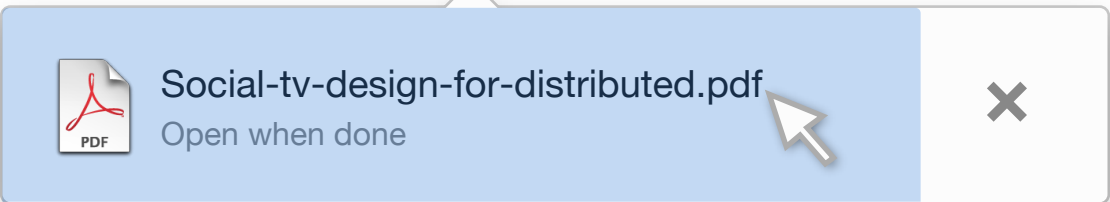
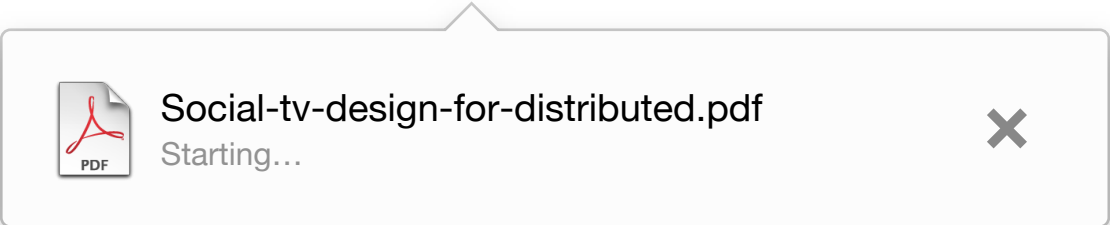
Download Complete

Once there is a download completed, show expanding/flashing transition to notify the user, and keep the progress bar running if there are more downloadings

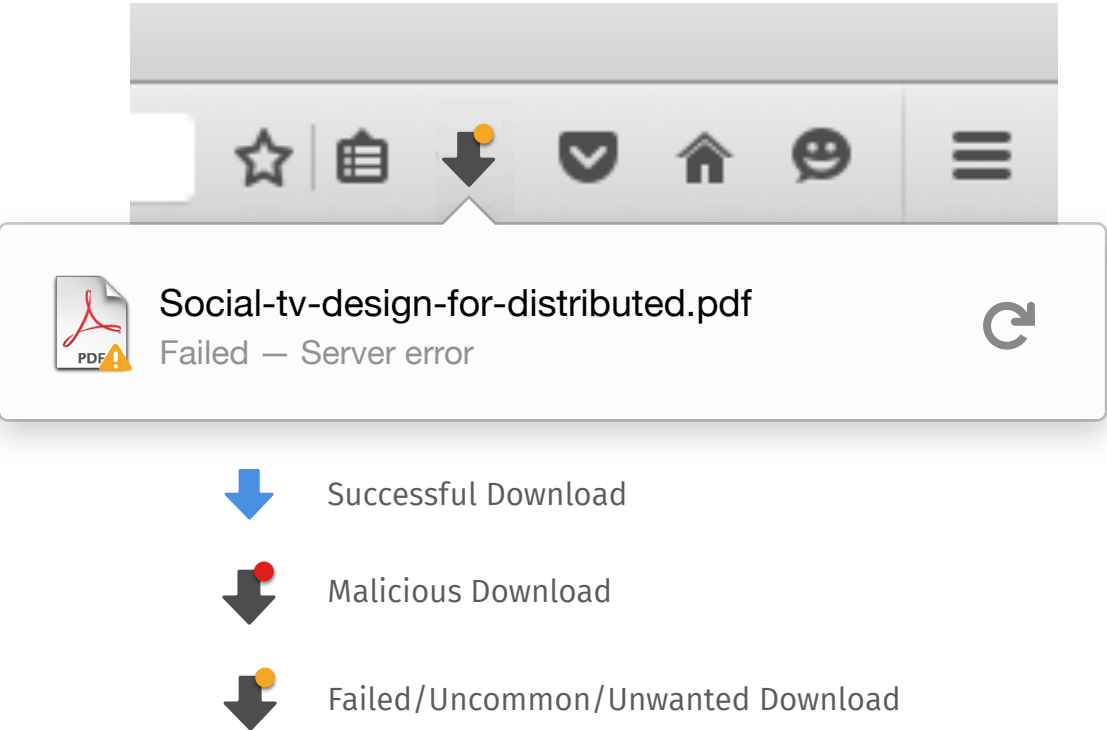


Hover for Actions

When hovering on the notification, it functions as the items within the download panel, please refer to "Hover for More" section for all hover state.



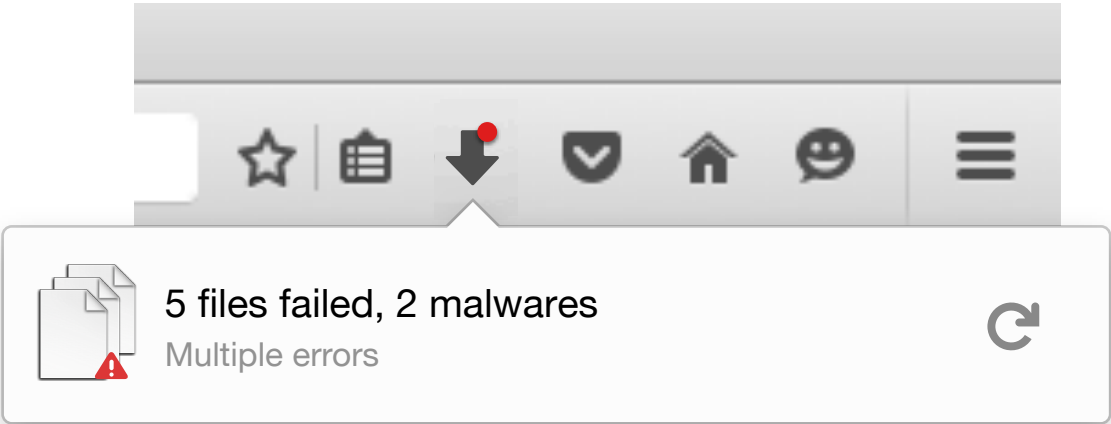
Download Alert as Badges



Alert: Failed/ Malware/ Unwanted/ Uncommon

When a user downloads a file, the status of the download is show in the toolbar.

1. Pop out download notification immediately
2. Hide the download notification after 5 seconds
3. The alert badge will disappear when user click on it to find more detail
4. Whenever an alert, show alert badge



Grouped Alert

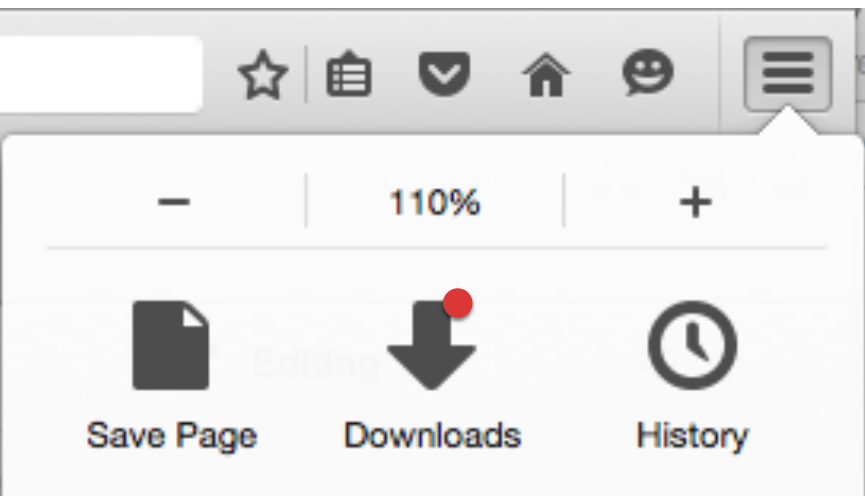
When an alert notification hasn't been dismissed and there is more downloads which need to display alert states, the alert notificaitons will be grouped.



Download icon in the Menu Panel

If the download icon has been moved to the menu panel the badges appear on the menu icon.

If there is a browser update available at the same time, the download badging will supercede the update icon on the menu. Once the menu is opening, the badging can disappear after.

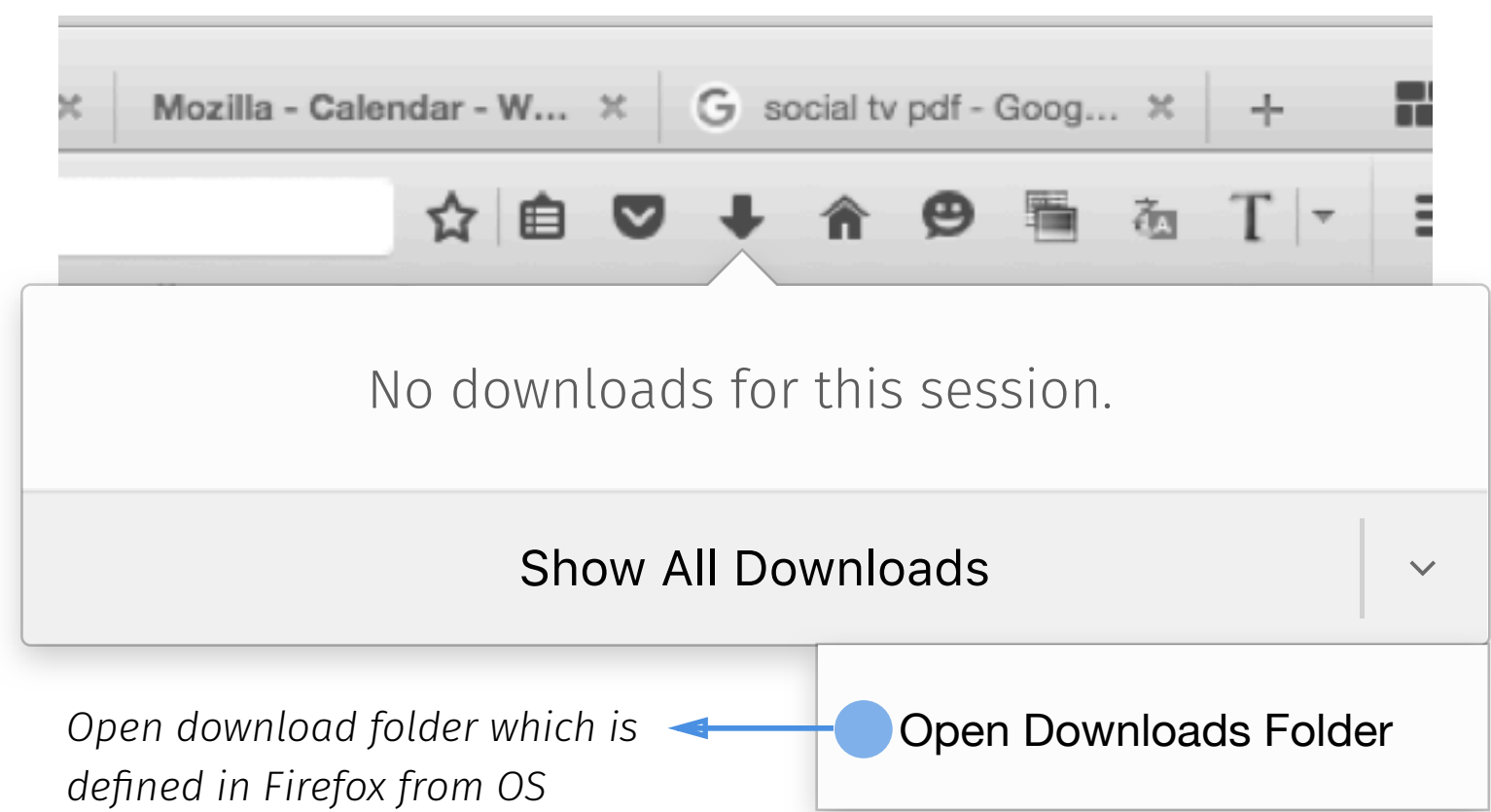


When Menu is open

When the menu is open, the badge can be seen on the download icon.



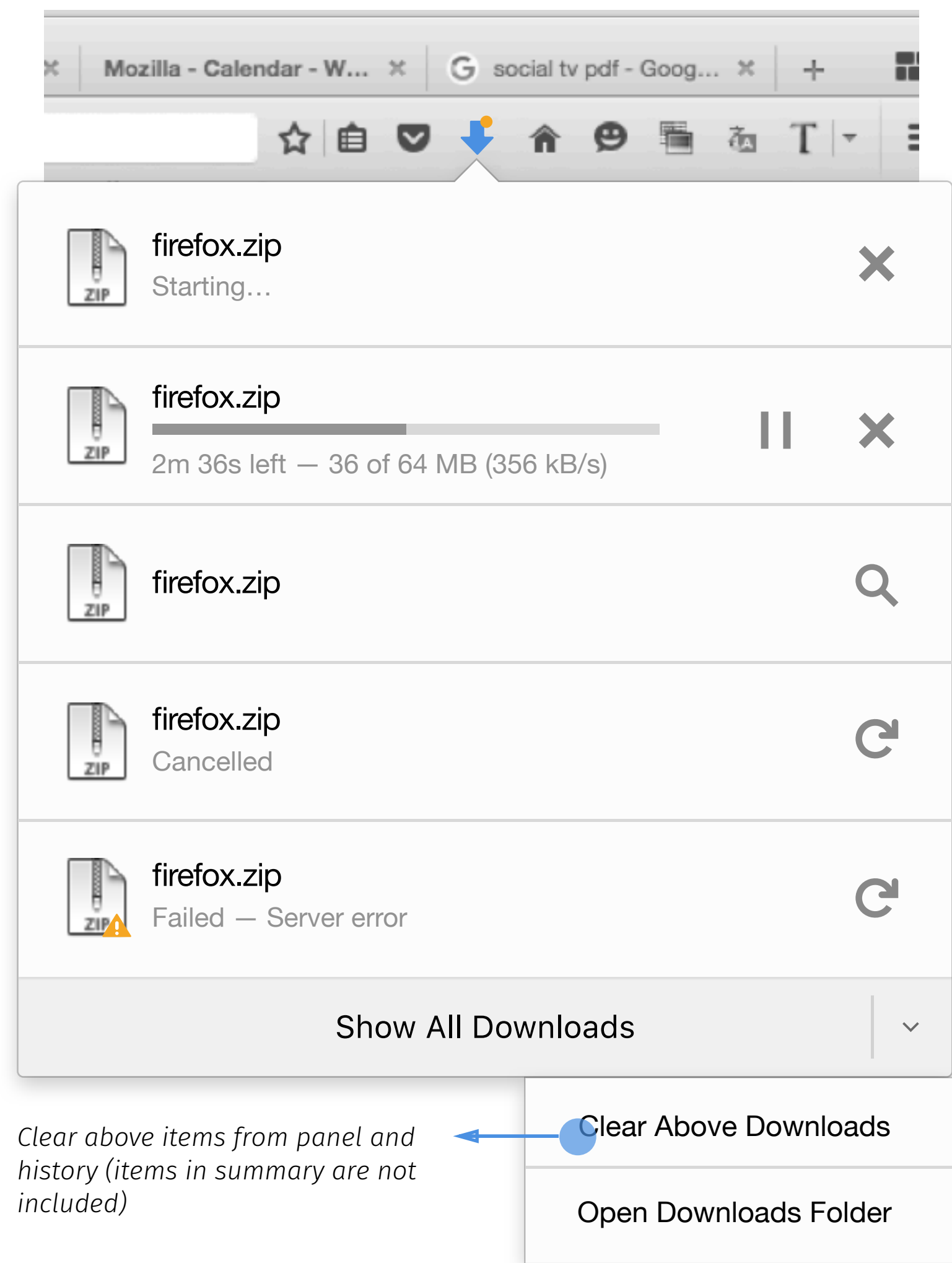
Download Icon on Toolbar



Click Download Icon

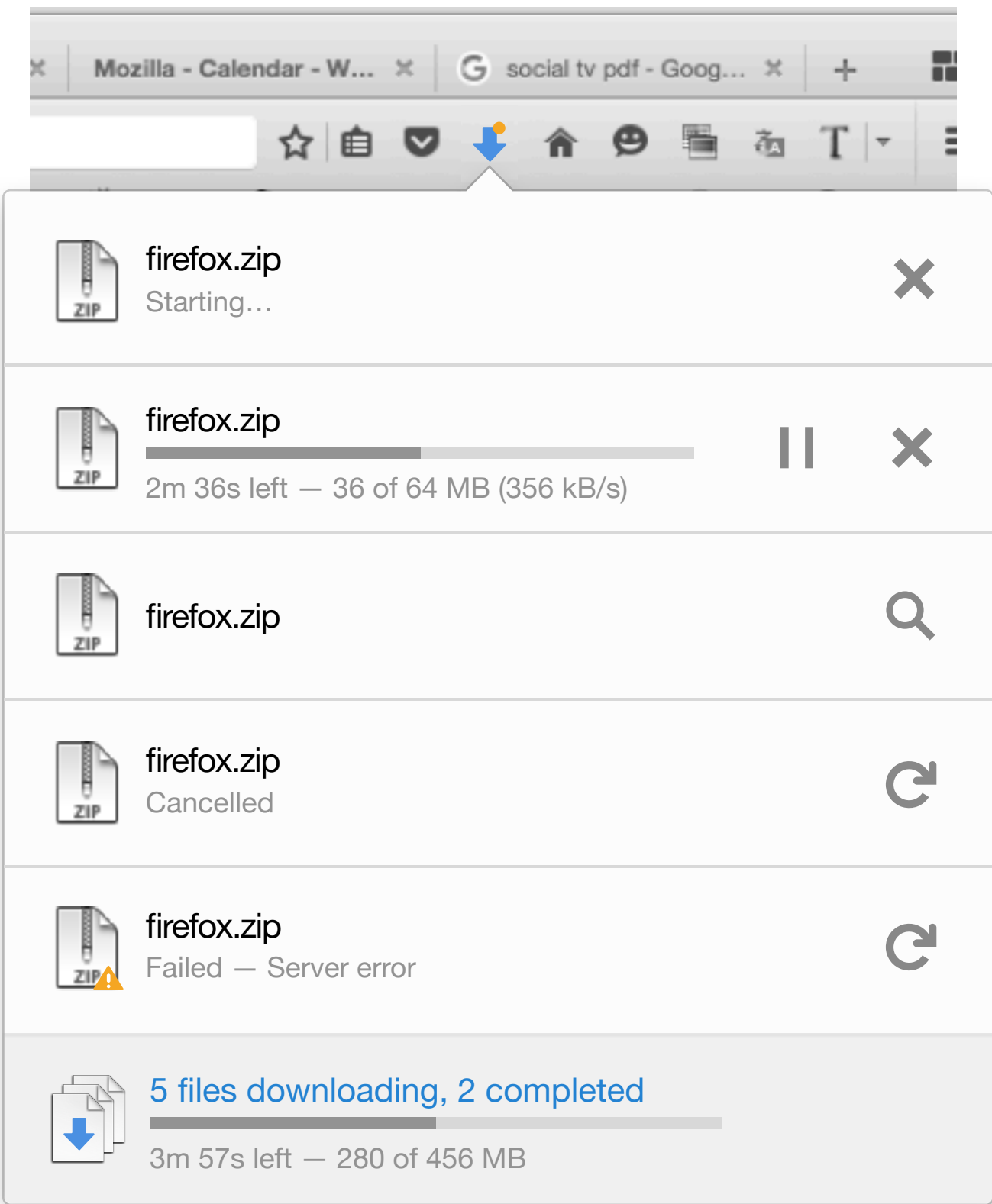
1. Show entire download panel
2. Hide if user click outside of the download panel

Max numbers of download items displayed at the same time: 5

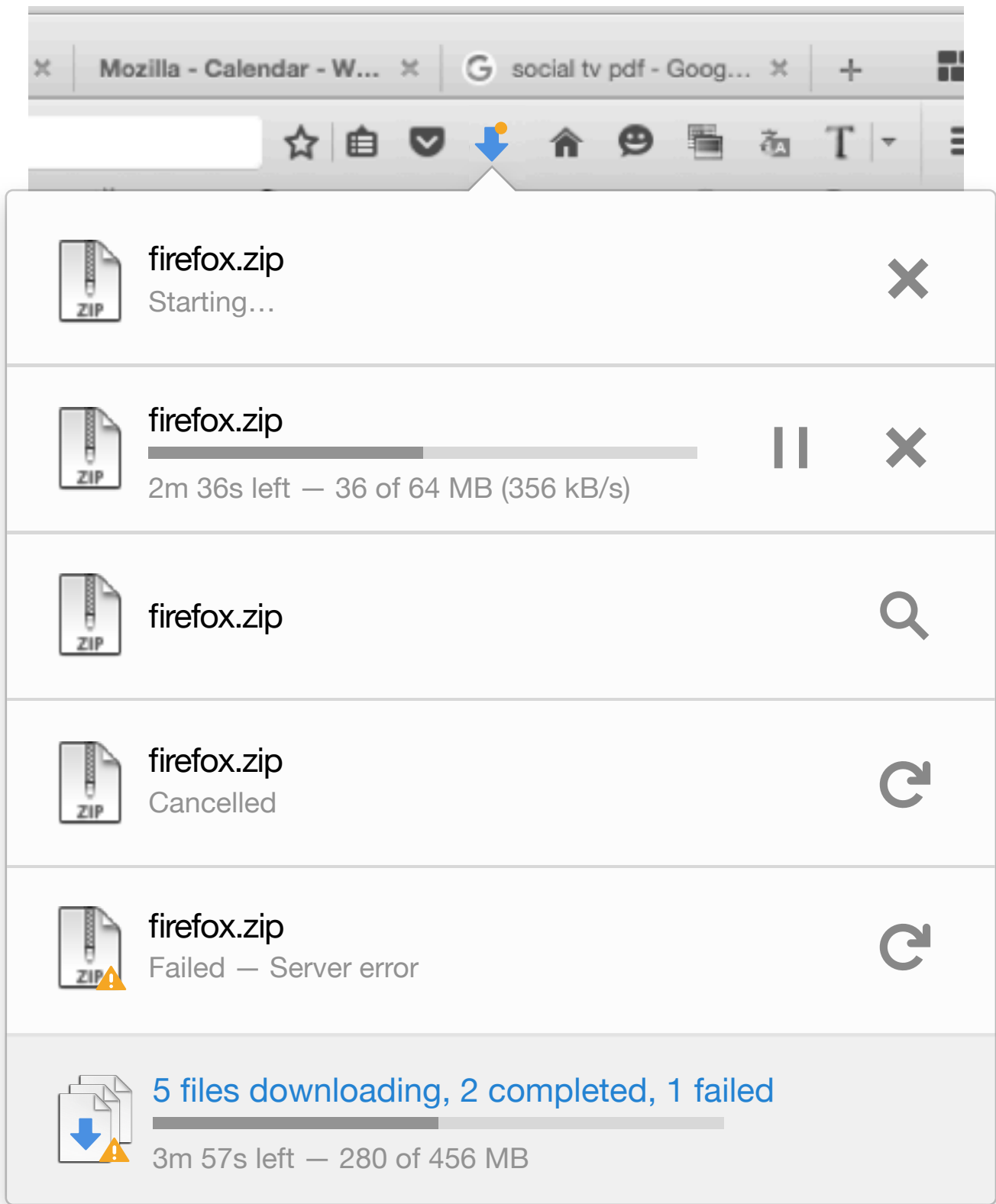


Download Multiple Files

Multiple Files Downloading

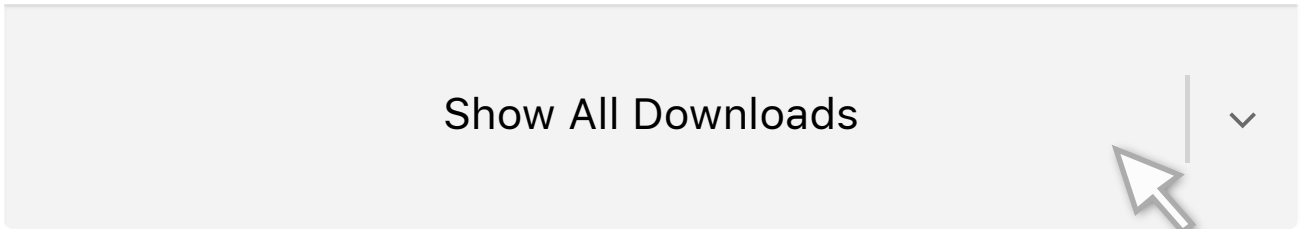


Multiple Files Downloading and failed




- 1. Only appear when the downloading items are not on the expanded download panel
- 2. Hide if user click outside of the download panel


When cursor hovers on, show more options





Download Status - Common


 **firefox.zip**
Starting...


✕


 **firefox.zip**
2m 36s left — 36 of 64 MB (356 kB/s)


 ✕


 **firefox.zip**



 **firefox.zip**
Paused — 36 of 64 MB

 ✕

 **firefox.zip**
Cancelled



Show All Downloads

▼

Download starting

Download downloading


Download completed

Download paused

Download cancelled





Download Status- Alert



firefox.zip


Failed — Server error






malware.zip


This file will harm your computer






uncommon download.zip


This file is not commonly downloaded






unwanted download.zip


This file may harm your computer





firefox.zip

File moved or missing



Show All Downloads

▼

Download failed

Malware

Uncommon download

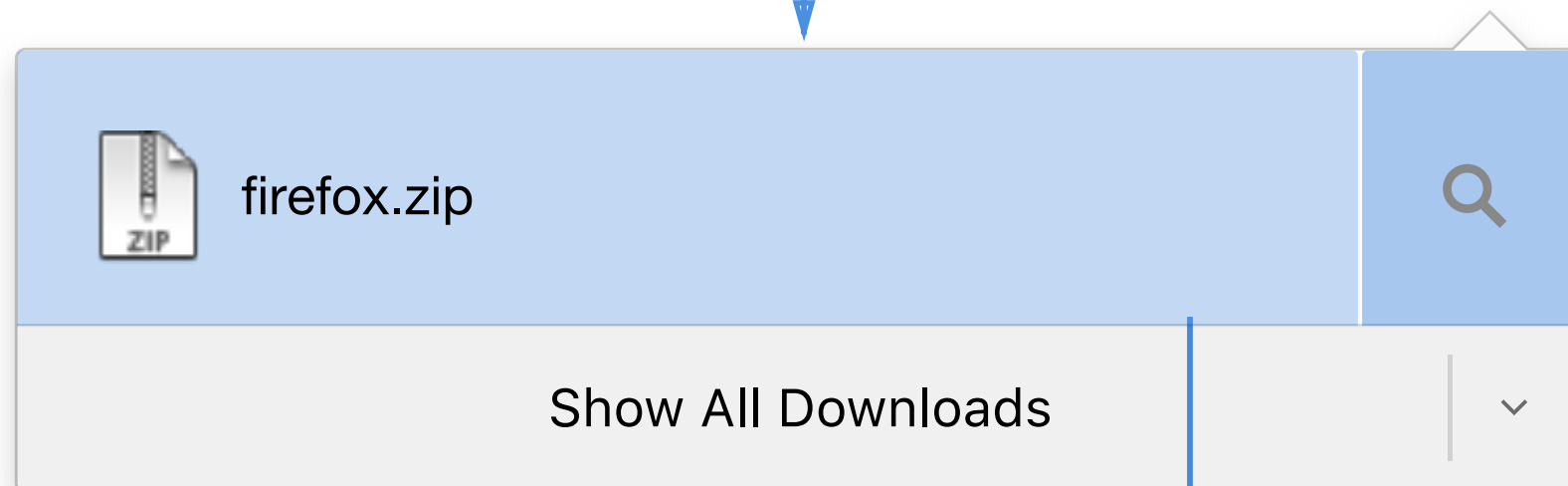
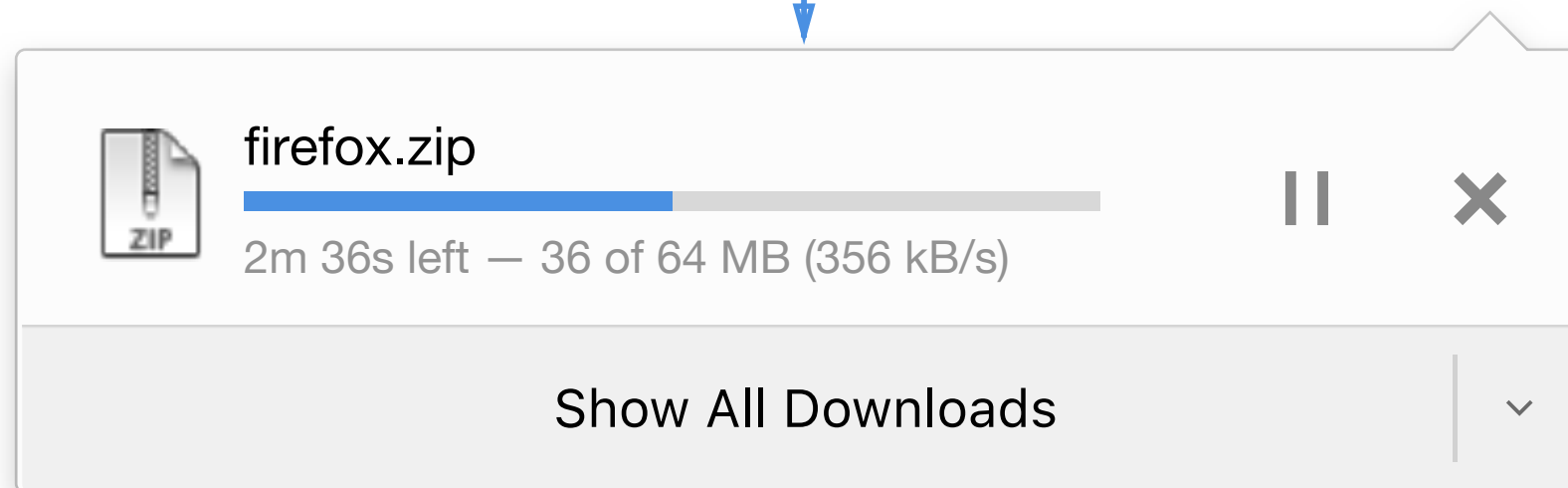
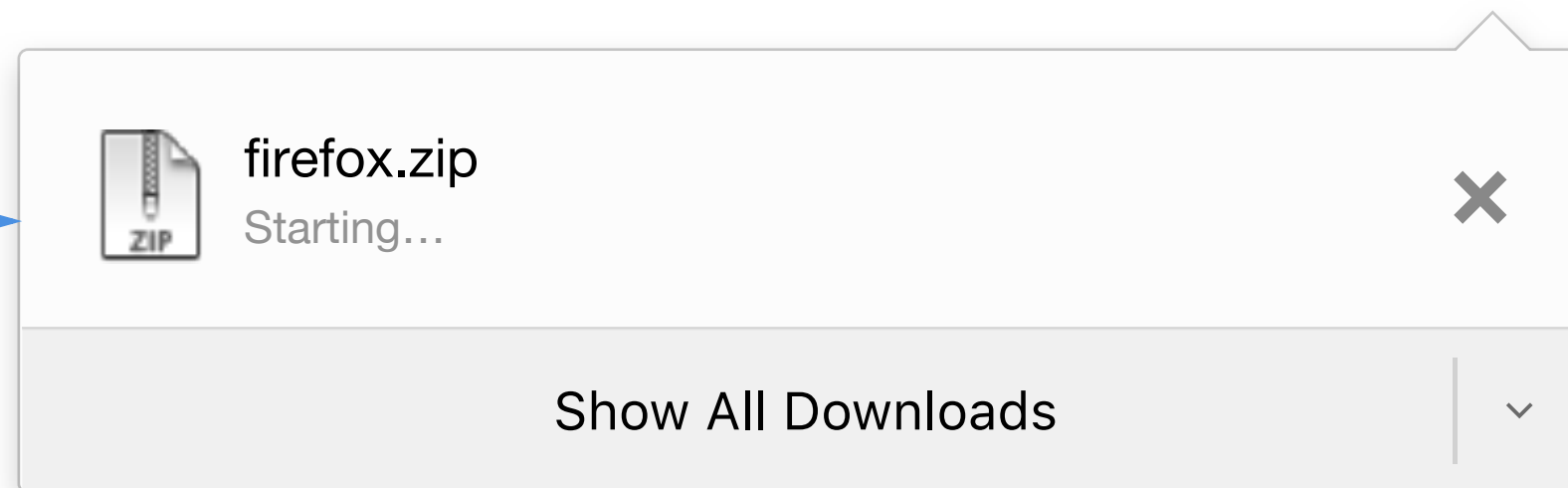
Unwated download

Download deleted



Start Download & Complete

[Web link](#)



Rules for ETA

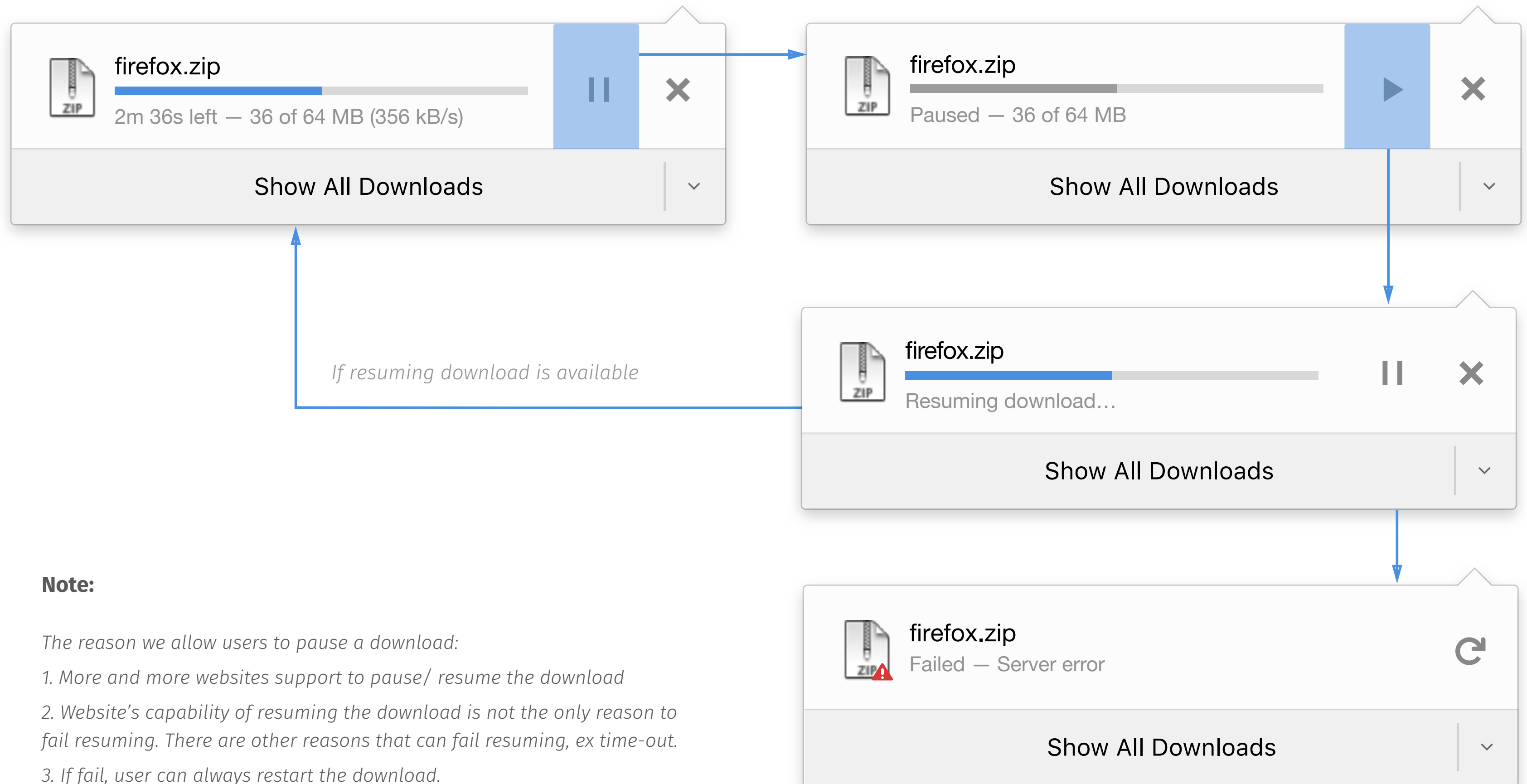
4 s > ETA, show **A few seconds remaining**
4 mins > ETA > 4s, show **Xm Xs remaining**
60 mins > ETA > 4mins, show **Xm remaining**
ETA > 60mins, show **Xh remaining**

[View in Finder](#)

[Open file with default app](#)



Pause & Resume



If resuming download is available

If resuming download is not available

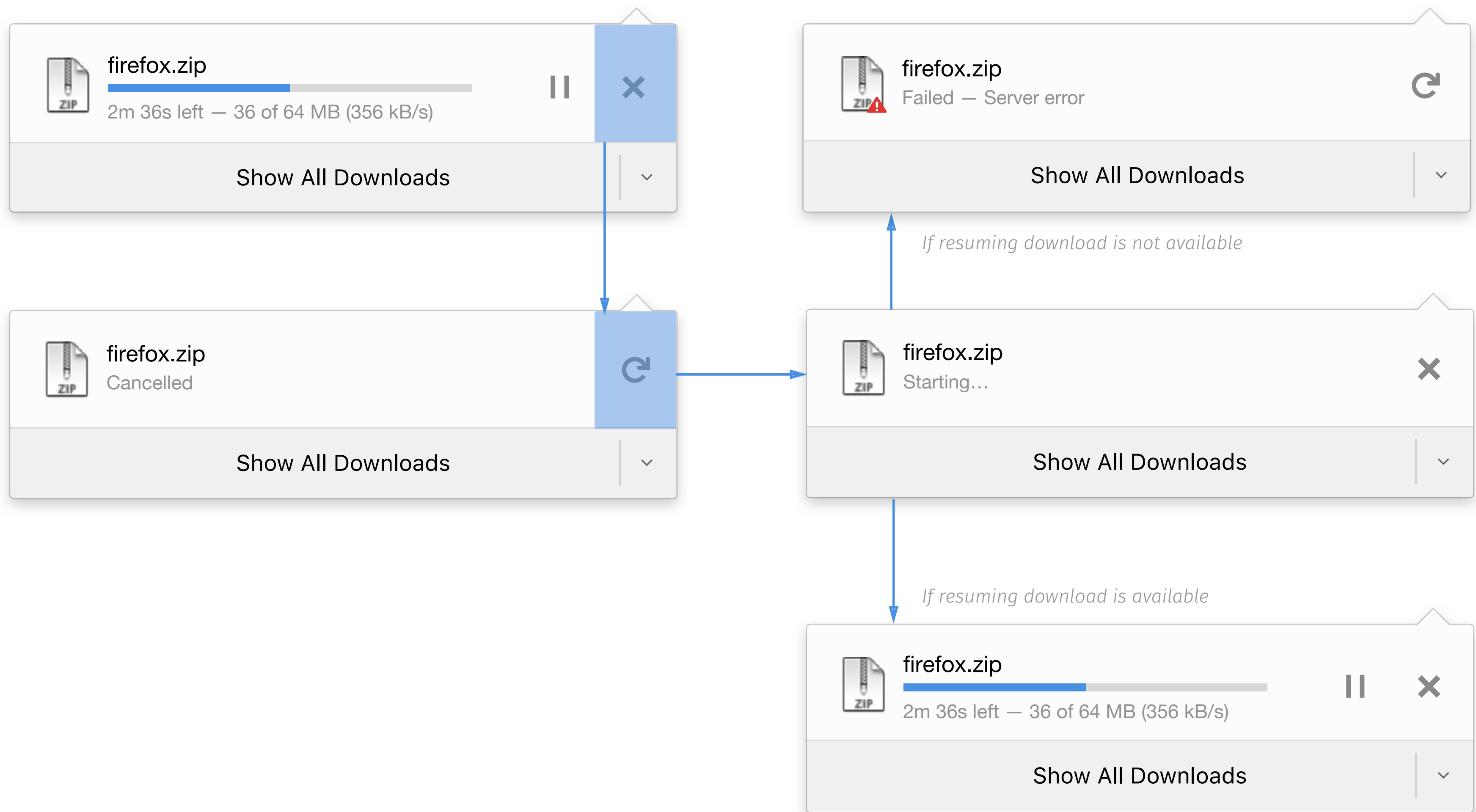
Note:

The reason we allow users to pause a download:

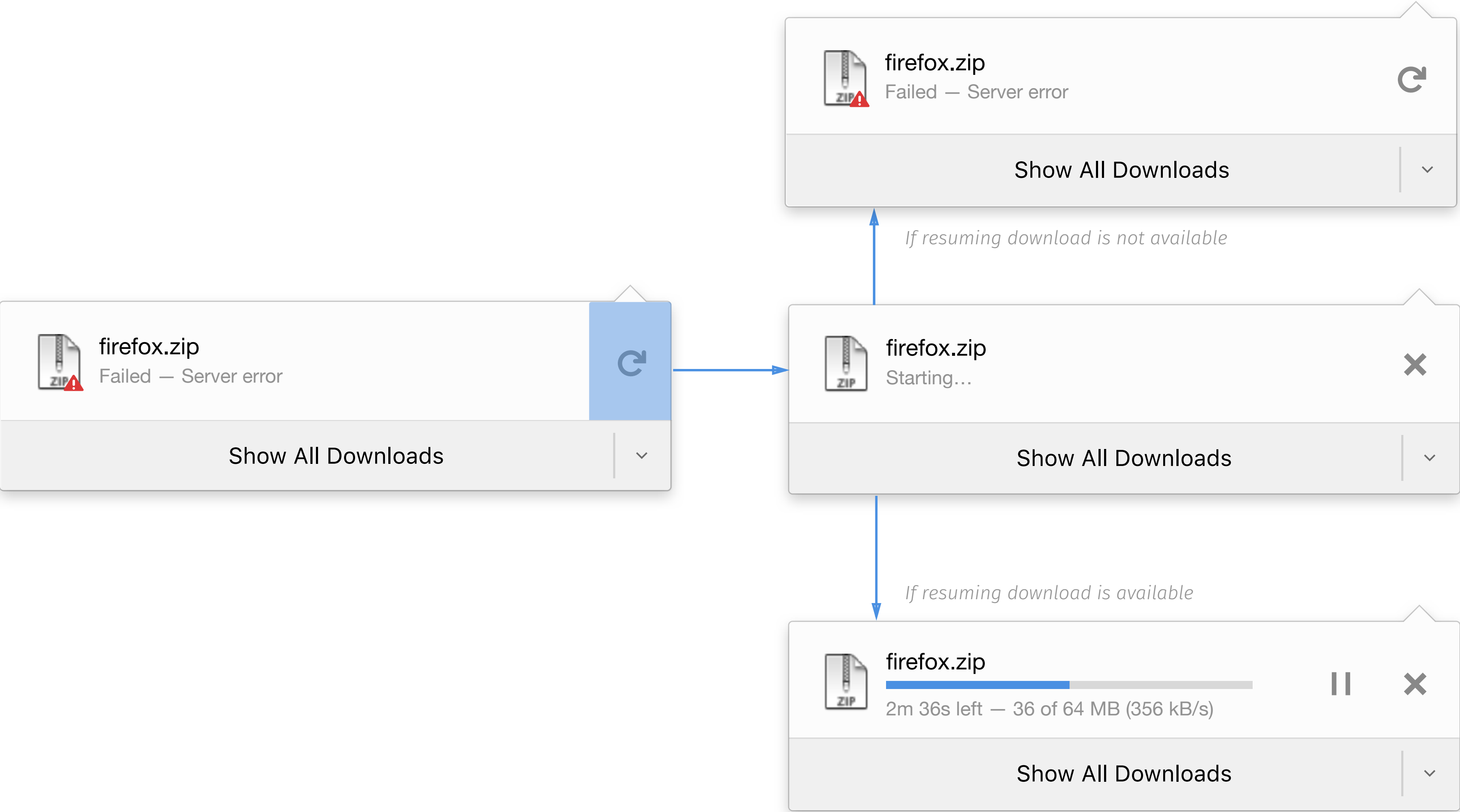
1. More and more websites support to pause/ resume the download
2. Website's capability of resuming the download is not the only reason to fail resuming. There are other reasons that can fail resuming, ex time-out.
3. If fail, user can always restart the download.



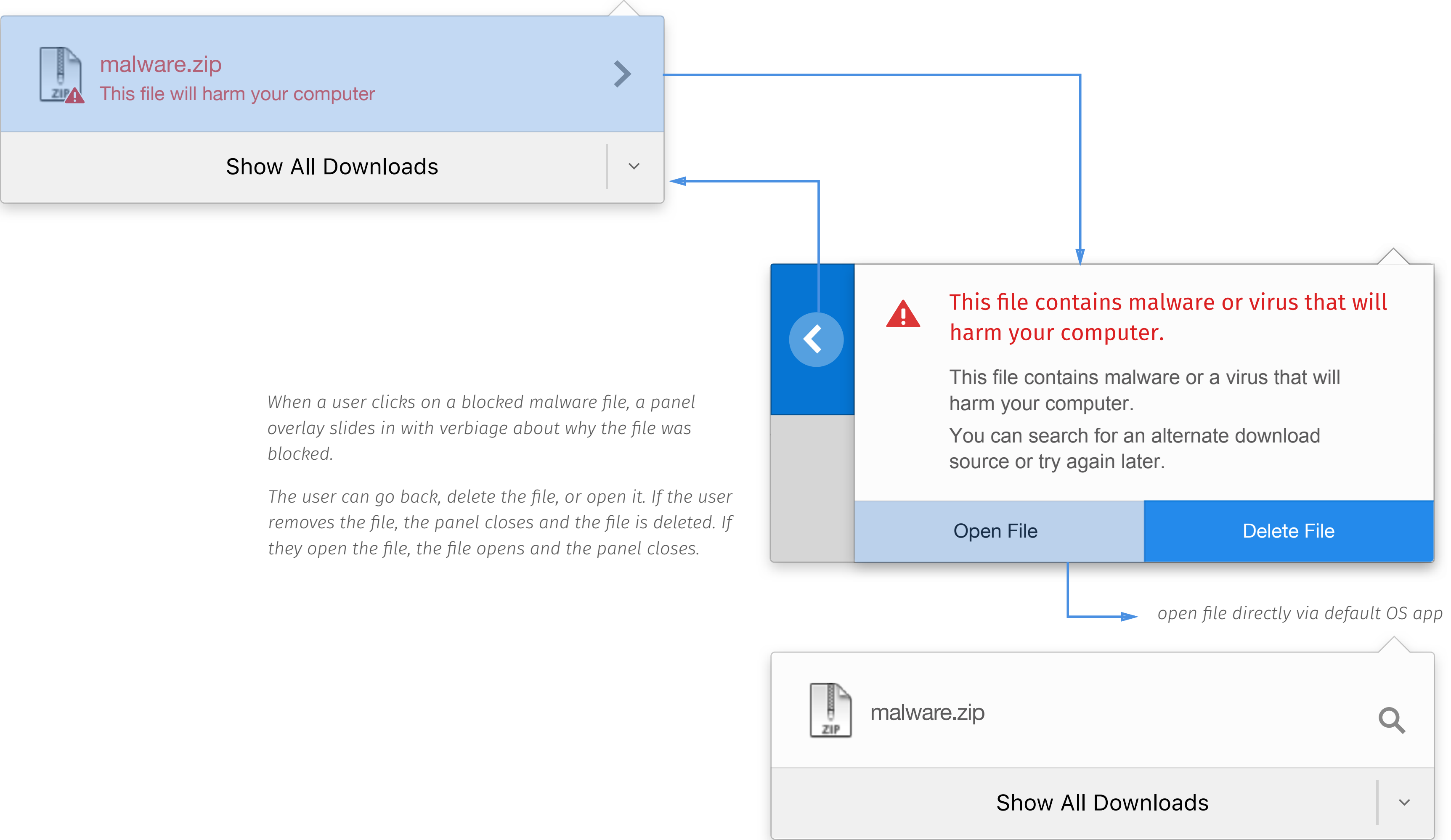
Cancel & Restart



Fail & Restart



Malware



When a user clicks on a blocked malware file, a panel overlay slides in with verbiage about why the file was blocked.

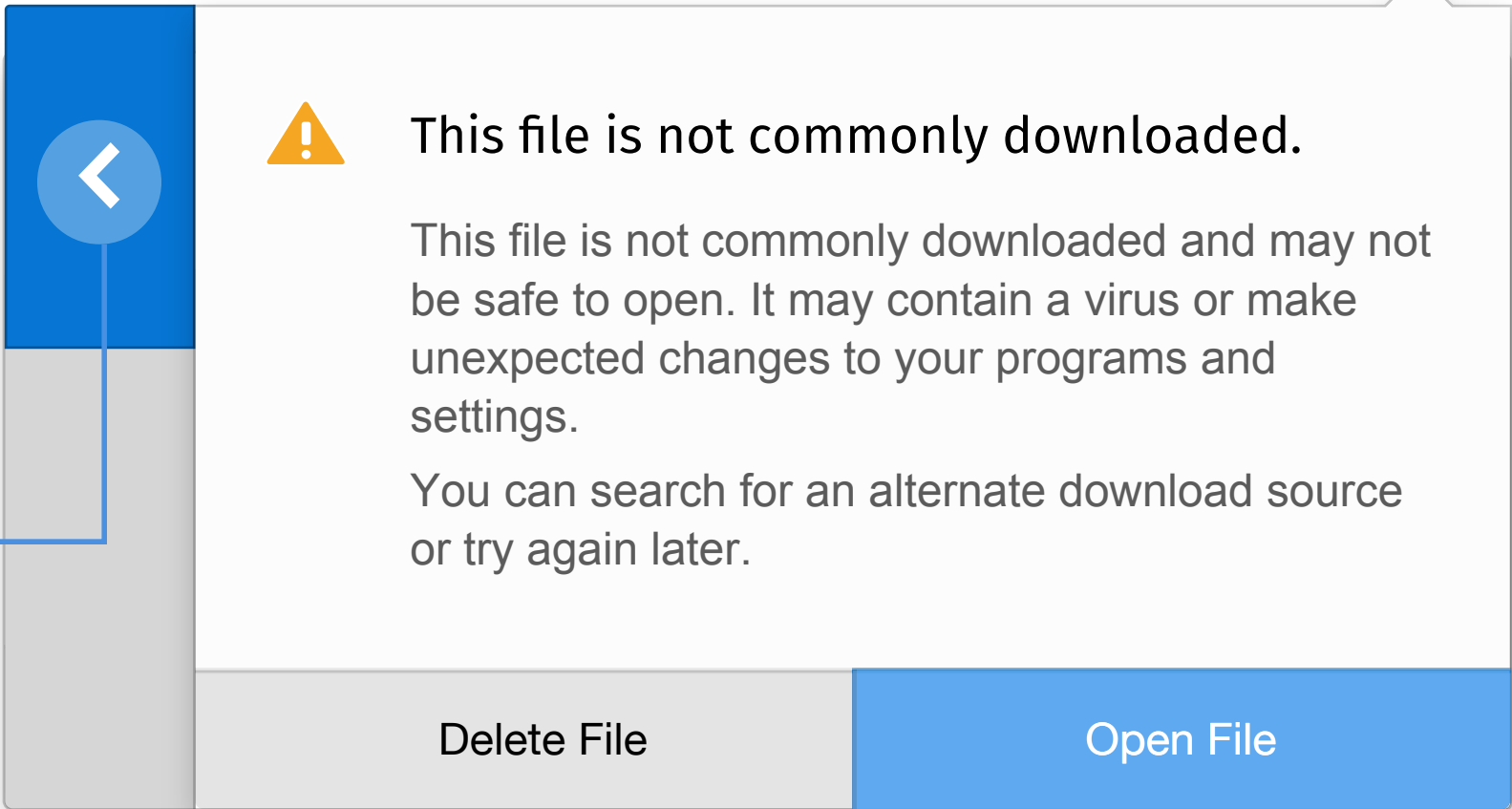
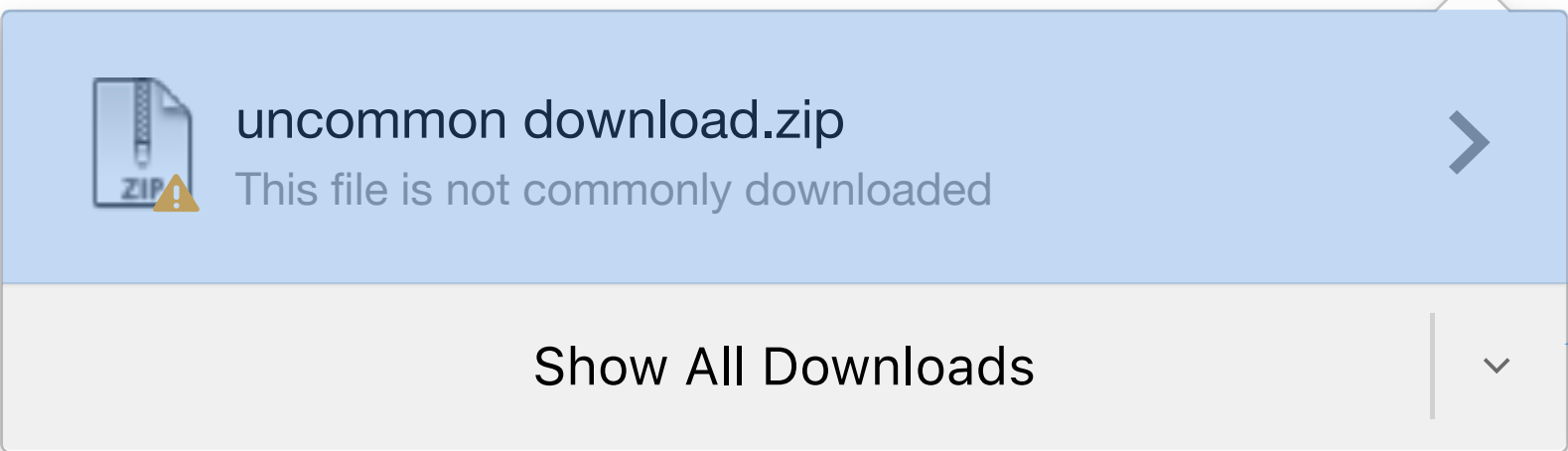
The user can go back, delete the file, or open it. If the user removes the file, the panel closes and the file is deleted. If they open the file, the file opens and the panel closes.

open file directly via default OS app

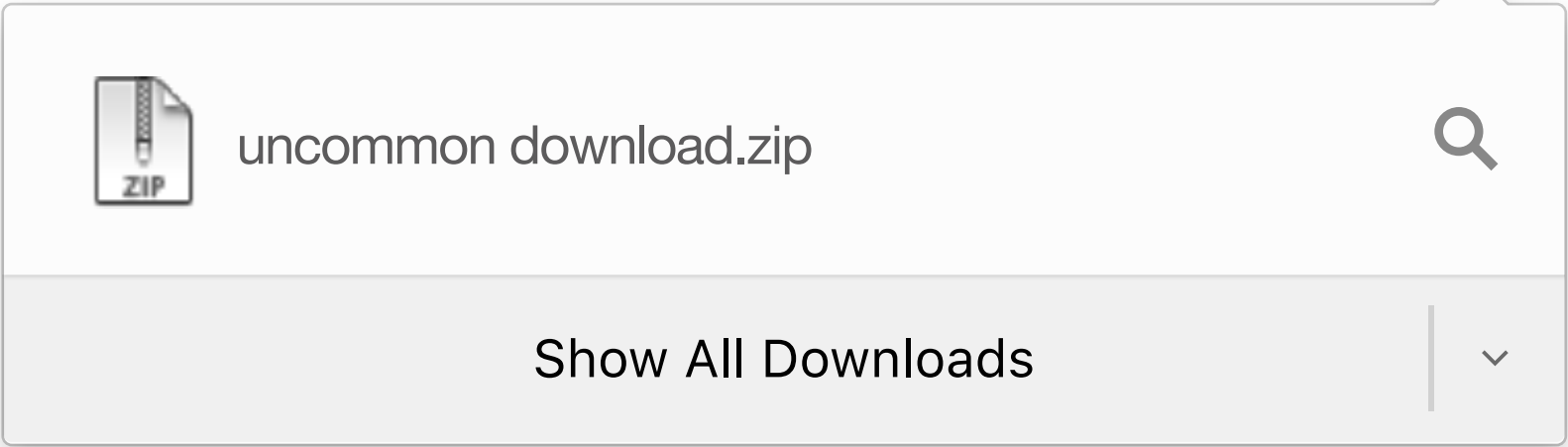
Next time when user opens the panel, the item will now displayed as a normal download.



Uncommon download



The user can go back, delete the file, or open it. If the user removes the file, the panel closes and the file is deleted.



If the user opens the file, the file opens and the panel closes. Next time the user opens the panel, the row is now displayed as a normal download.

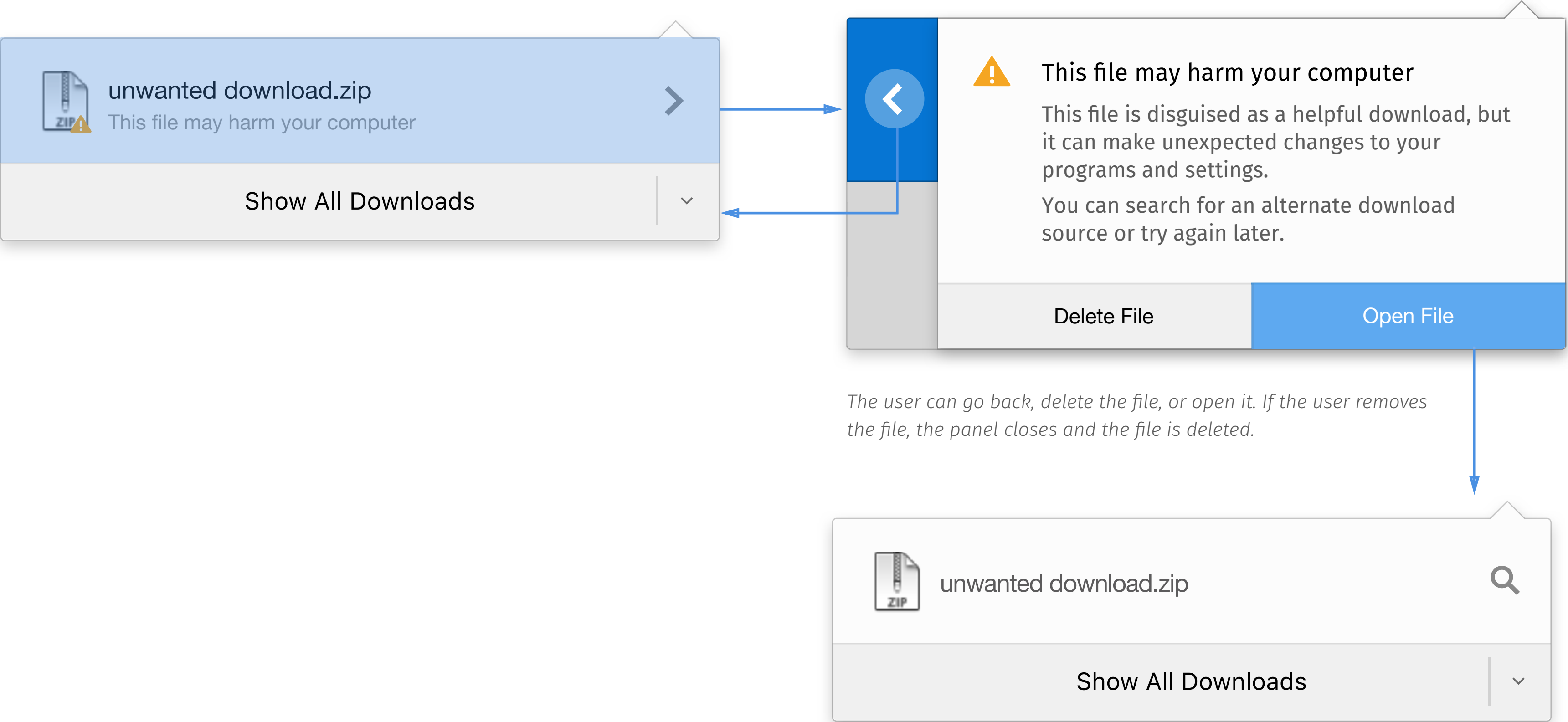
Note

With Malware downloads, the extension is never appended until the user confirms they want to open the file.

With Uncommon Files, we could keep the file accessible through Explorer/ Finder, but the confirmation still exists when I user tries to open the file in Firefox.



Unwatnted download

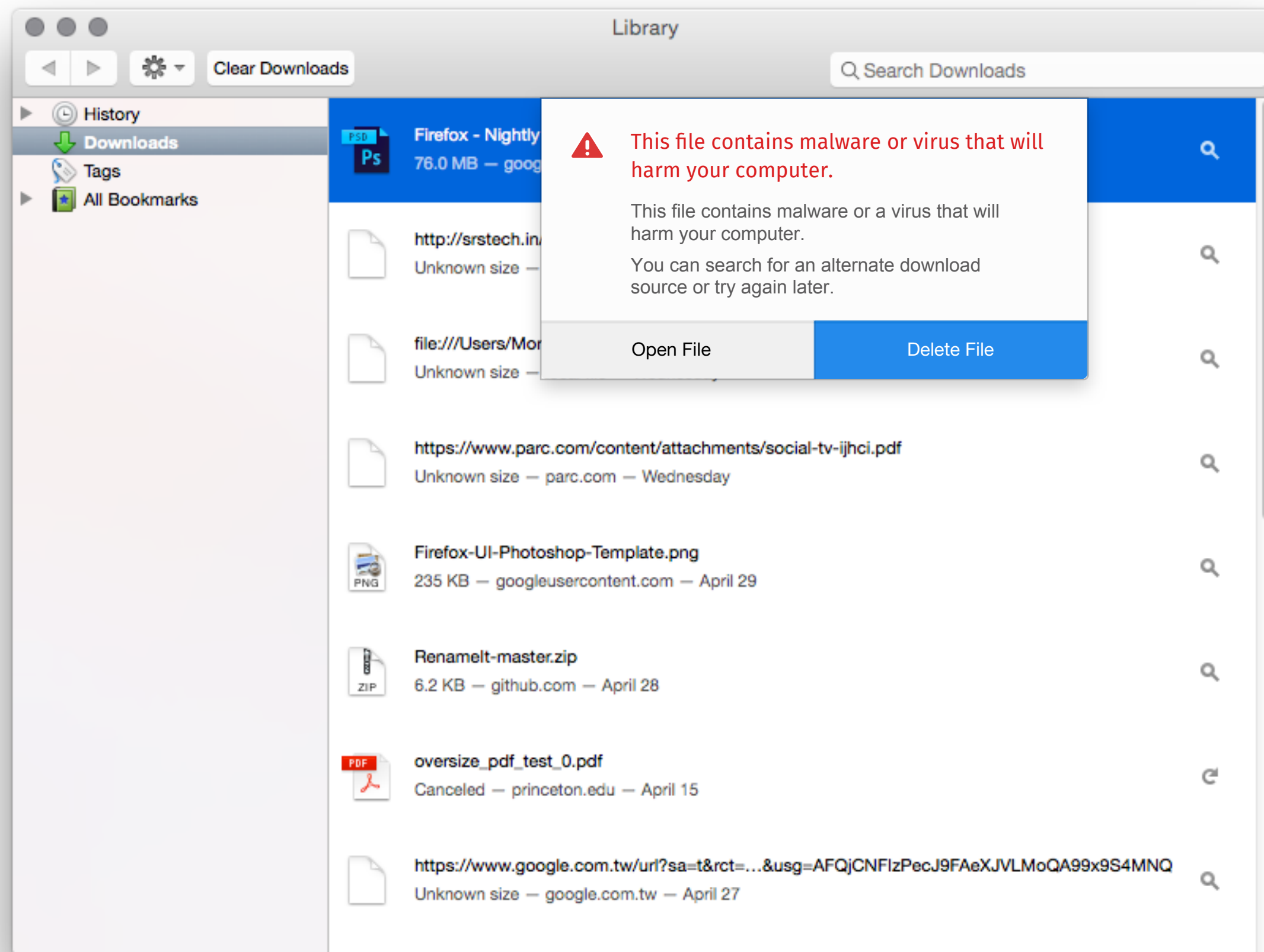


The user can go back, delete the file, or open it. If the user removes the file, the panel closes and the file is deleted.

If the user opens the file, the file opens and the panel closes. Next time the user opens the panel, the row is now displayed as a normal download.



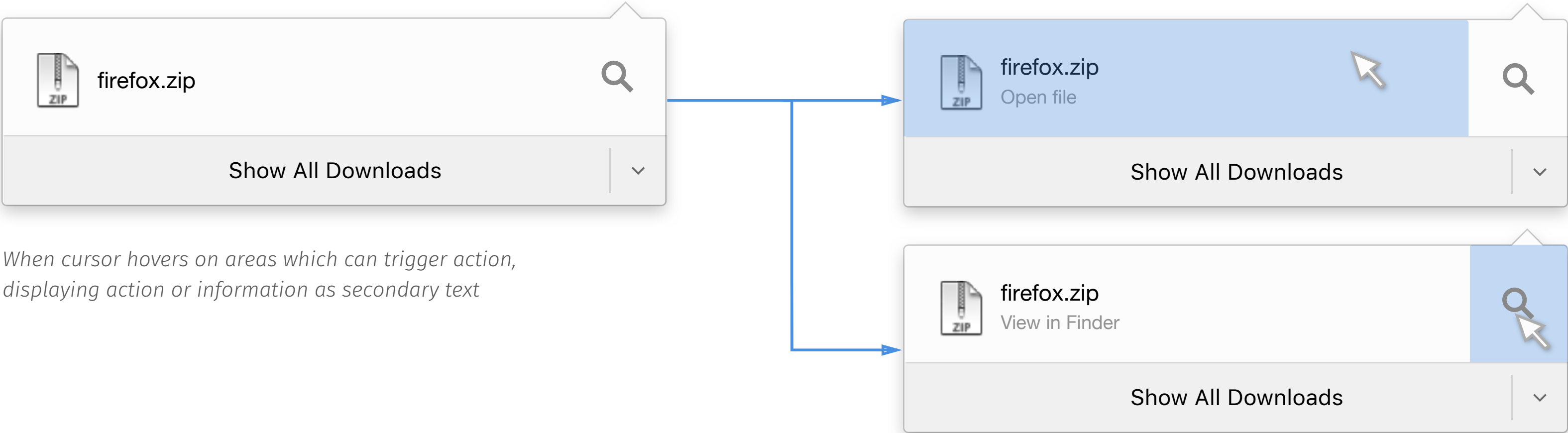
Modal pop-up in the Downloads Library



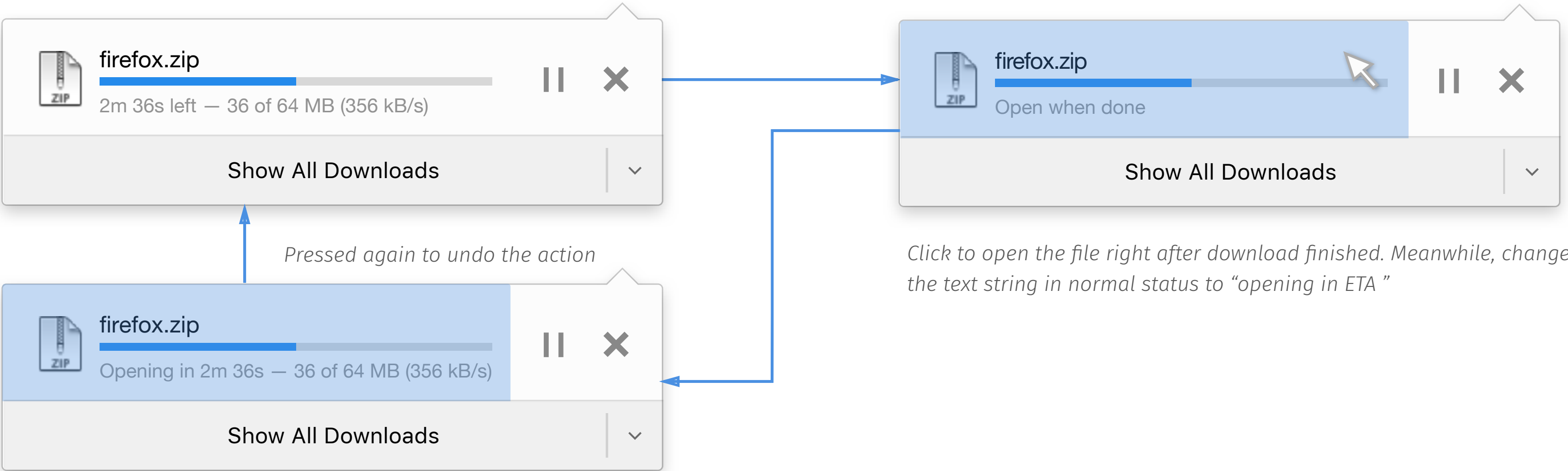
A modal pop-up is used in the Downloads Library instead of a slide-over.



Hover for More












Open when done












Hover List

Normal

 firefox.zip Starting...	✕
 firefox.zip 2m 36s left — 36 of 64 MB (356 kB/s)	⏸ ✕
 firefox.zip Paused — 36 of 64 MB	▶ ✕
 firefox.zip	🔍
 firefox.zip Cancelled	↺
 firefox.zip Failed — Server error	↺
 Malware.zip This file will harm your computer	>
 Uncommon download.zip This file is not commonly downloaded	>
 Unwanted download.zip This file may harm your computer	>

Hover on thread

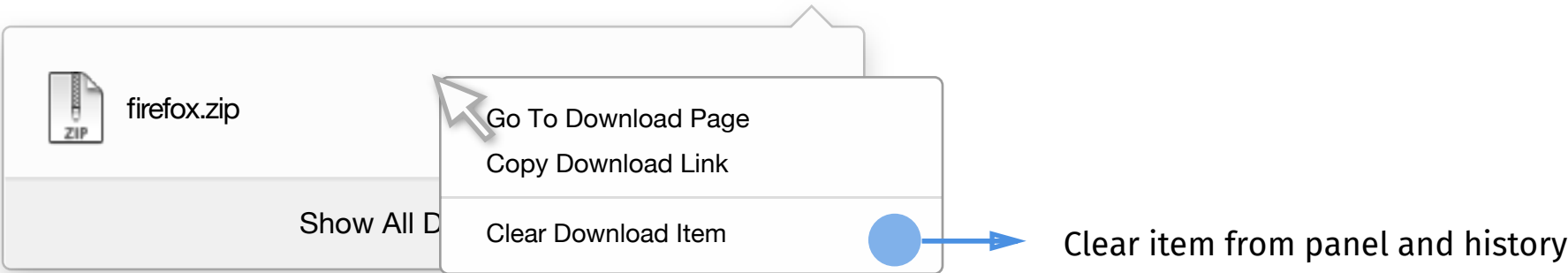
 firefox.zip Starting...	⏏ ✕
 firefox.zip Open when done	⏸ ⏏ ✕
 firefox.zip Paused at 1:35 pm — mozilla.com	▶ ⏏ ✕
 firefox.zip Open file	🔍
 firefox.zip Cancelled at 1:35 pm — mozilla.com	↺
 firefox.zip Failed at 1:35 pm — mozilla.com	↺
 Malware.zip Show more information	>
 Uncommon download.zip Show more information	>
 Unwanted download.zip Show more information	>

Hover on button

- Cancel download
- Pause download/ Cancel download
- Resume download/ Cancel download
- View in Finder
- Restart download
- Restart download
- Show more information
- Show more information
- Show more information



Right clicks on download thread



Common

Starting/Downloading

Show in Finder
Go to Download Page
Copy Download Link

Completed

Go To Download Page
Copy Download Link
Clear Download Item

Cancelled

Go To Download Page
Copy Download Link
Clear Download Item

Paused

Show in Finder
Go to Download Page
Copy Download Link

Deleted

Go To Download Page
Copy Download Link
Clear Download Item

Alert

Failed

Go To Download Page
Copy Download Link
Clear Download Item

Malware

Unblock Download
Show in Finder
Go To Download Page
Copy Download Link
Clear Download Item

Uncommon download

Unblock Download
Show in Finder
Go To Download Page
Copy Download Link
Clear Download Item

Unwanted download

Unblock Download
Show in Finder
Go To Download Page
Copy Download Link
Clear Download Item

