

# Download Panel & Content Handler

*Mozilla Firefox*

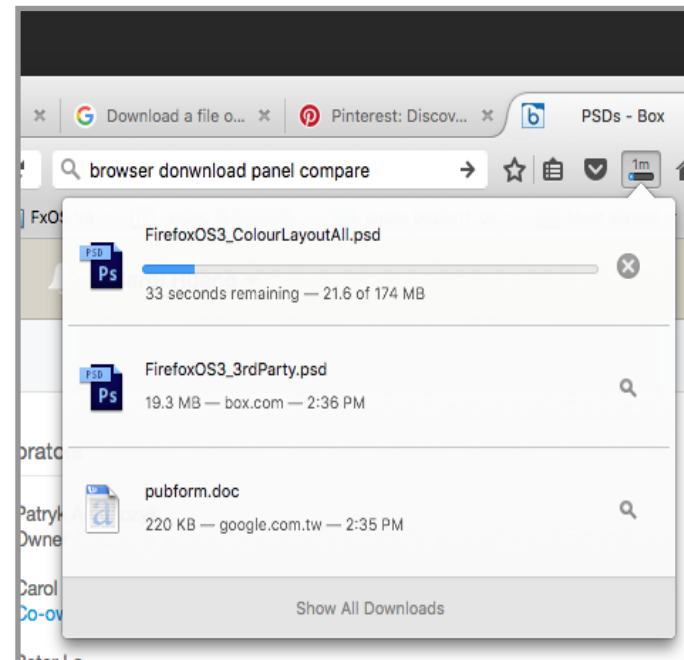


# Release Notes

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

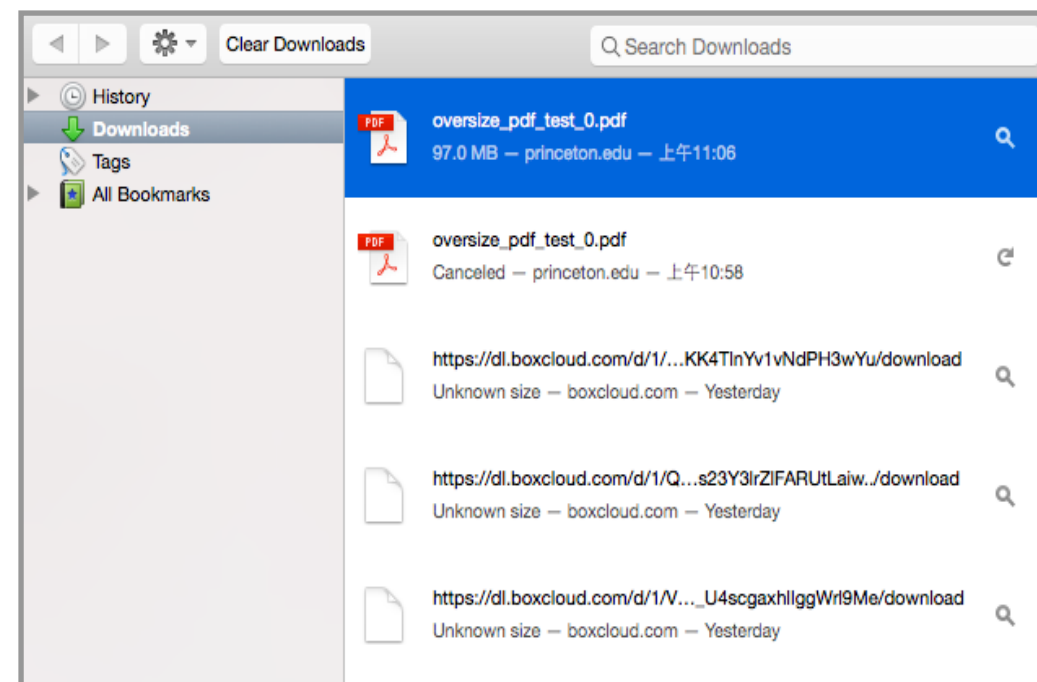


# *OVERVIEW*



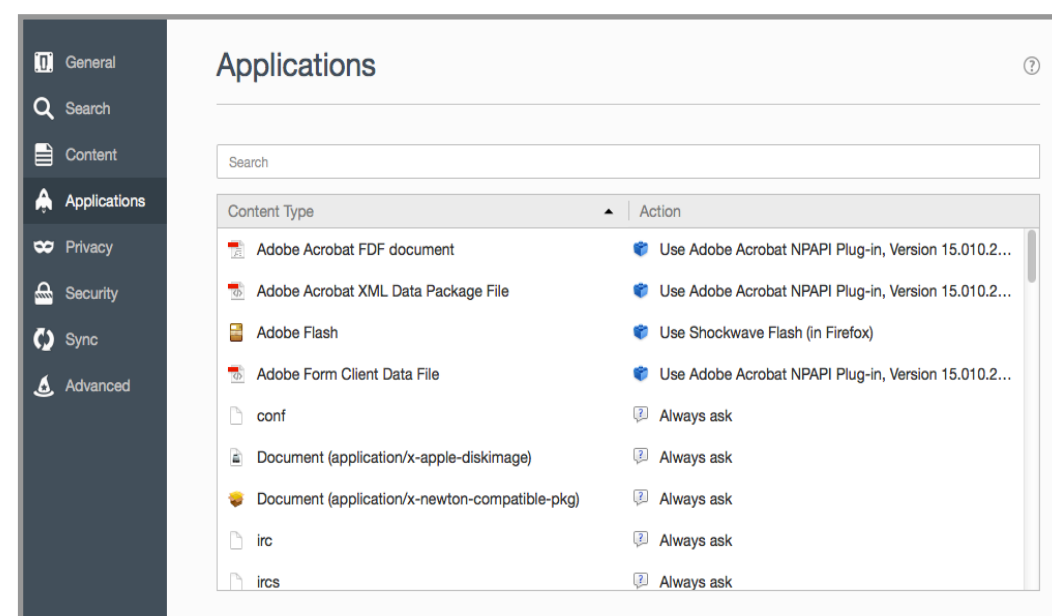
## Download panel

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.



## 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.



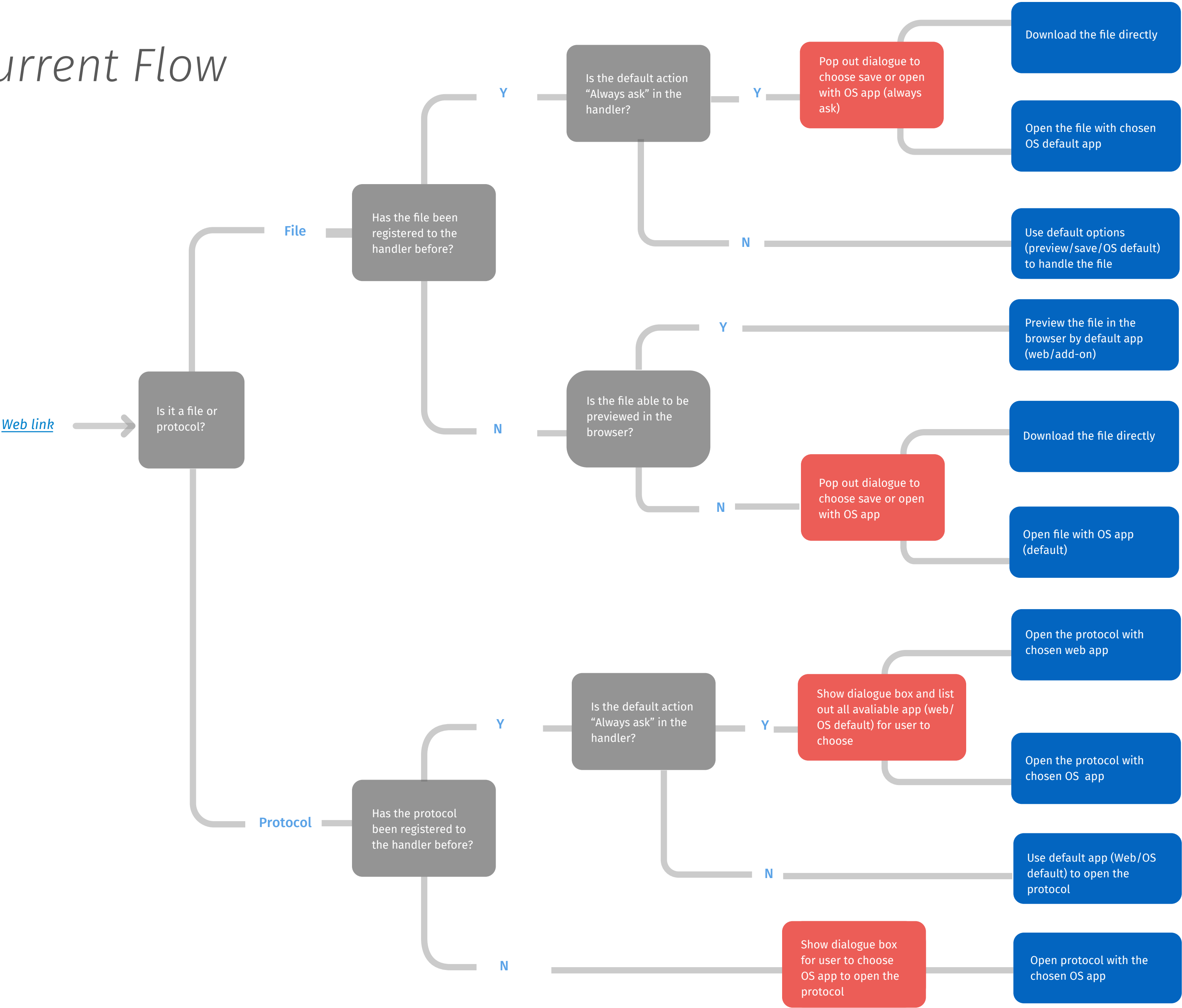
## Content handler

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.

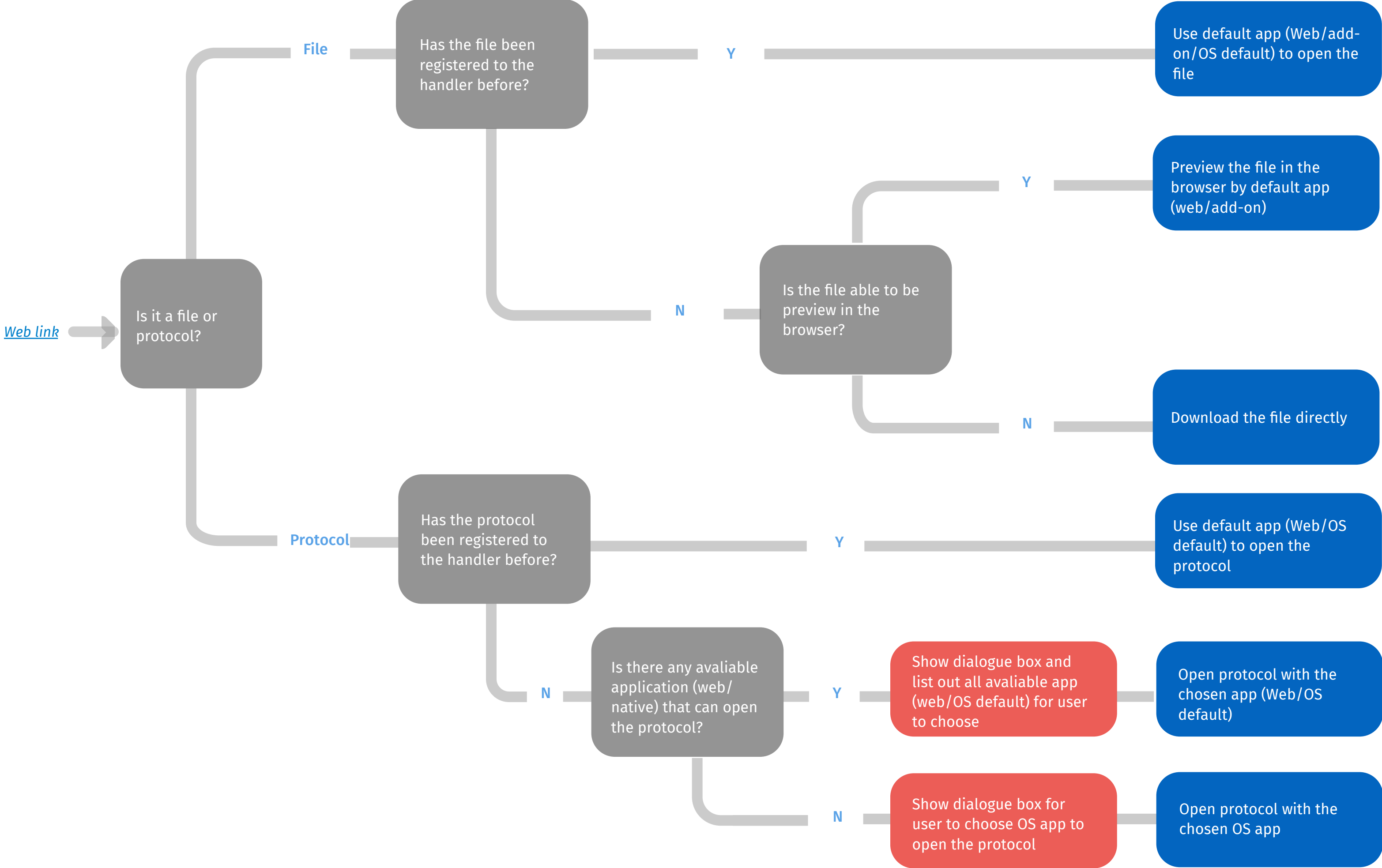


*DOWNLOAD PANEL*

# Current Flow



# Redesigned Flow



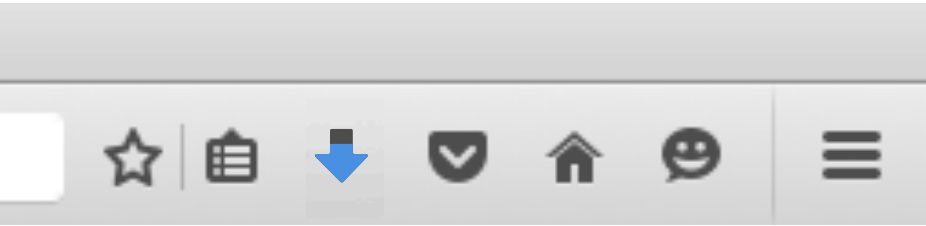


# Download Flow on Toolbar



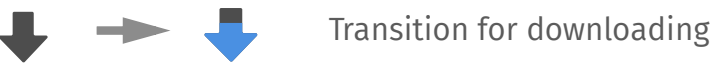
## Start Download

- 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



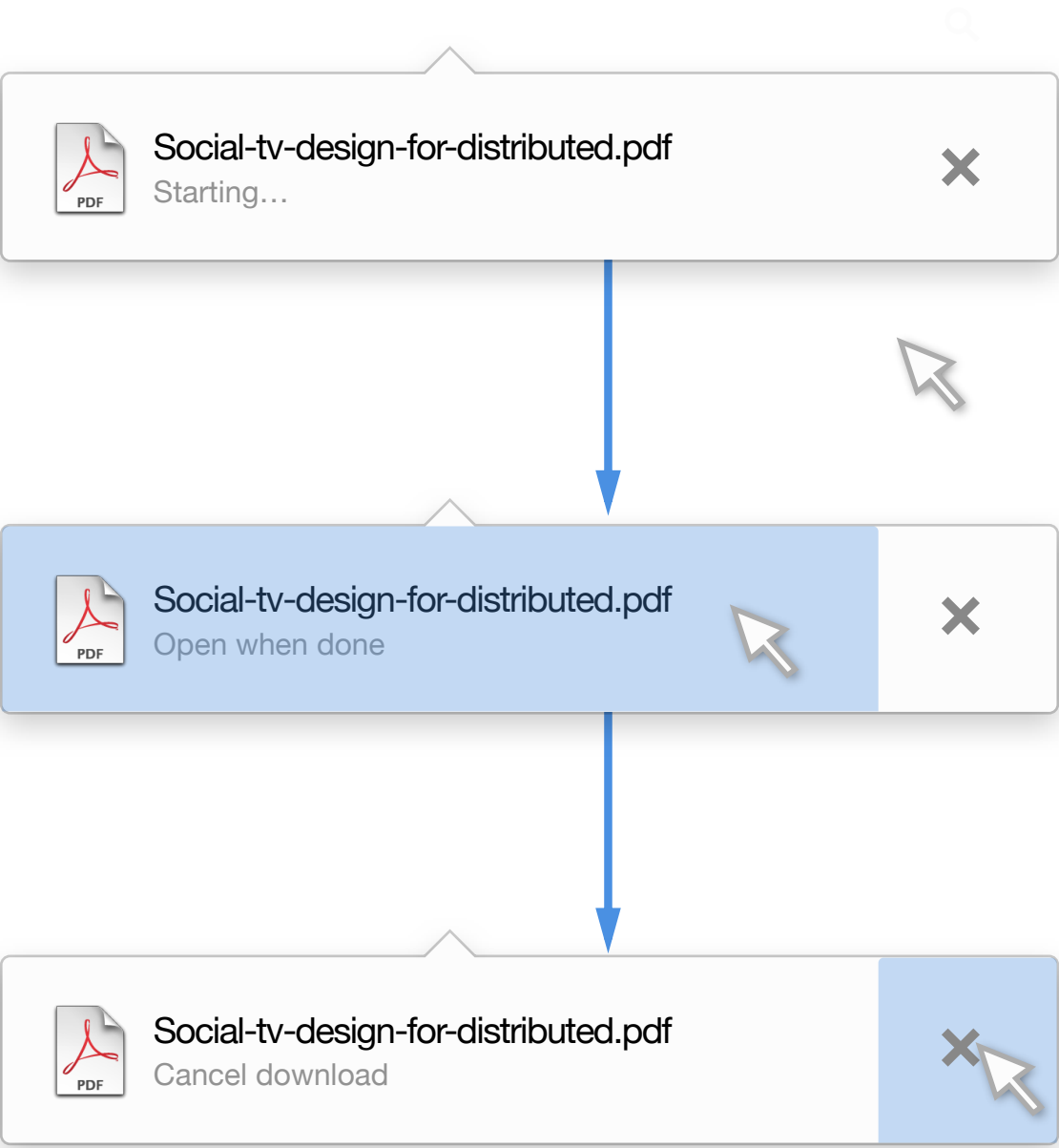
## Download Complete

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

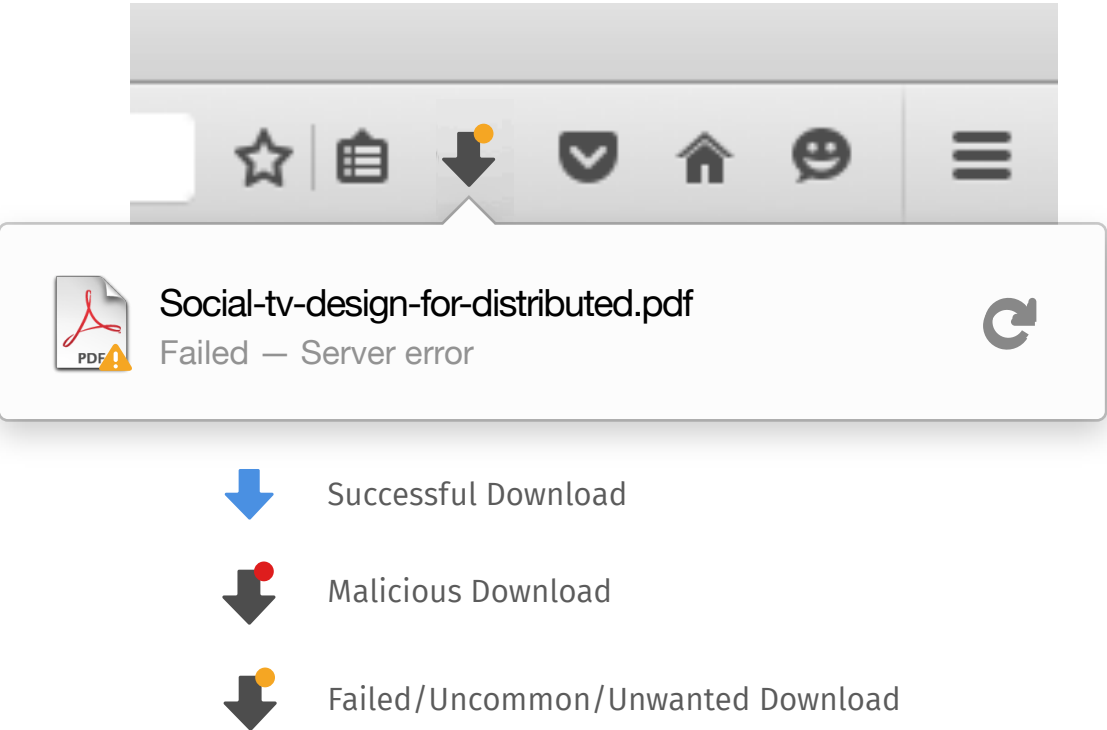


## Hover for Actions

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



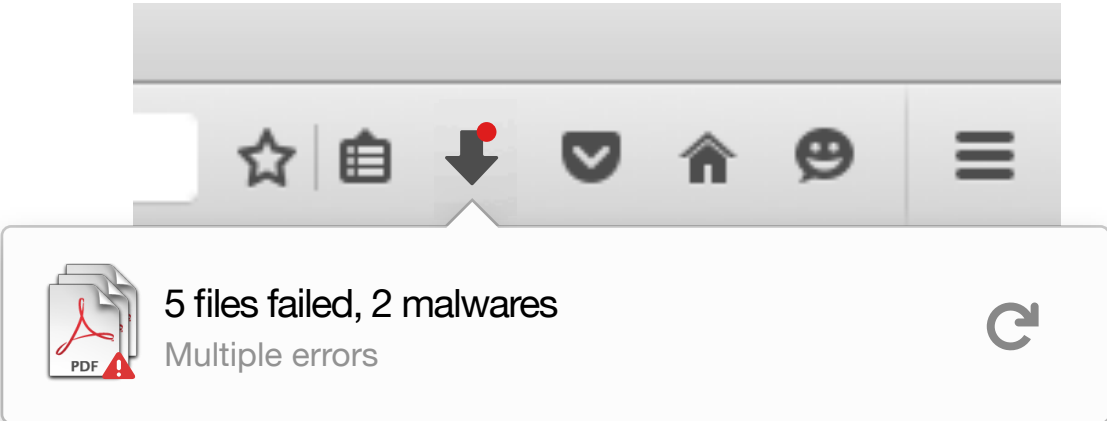
# Download Alert as Badges



## Alert: Failed/ Malware/ Unwanted/ Uncommon

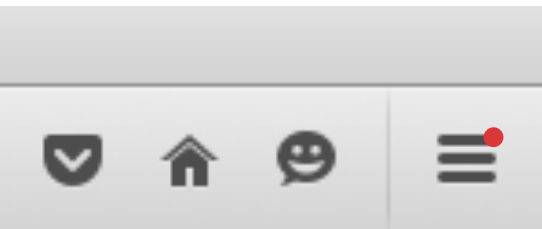
When a user downloads a file the status of the download is show in the toolbar.

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

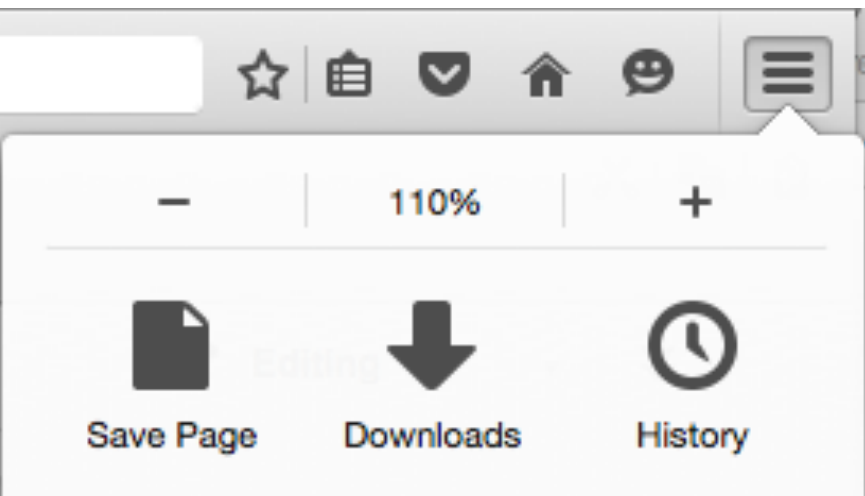
When an alert notification hasn't been dismissed and there is more downloads which need to display alert states, the alert notificaitons will be grouped.



## 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.

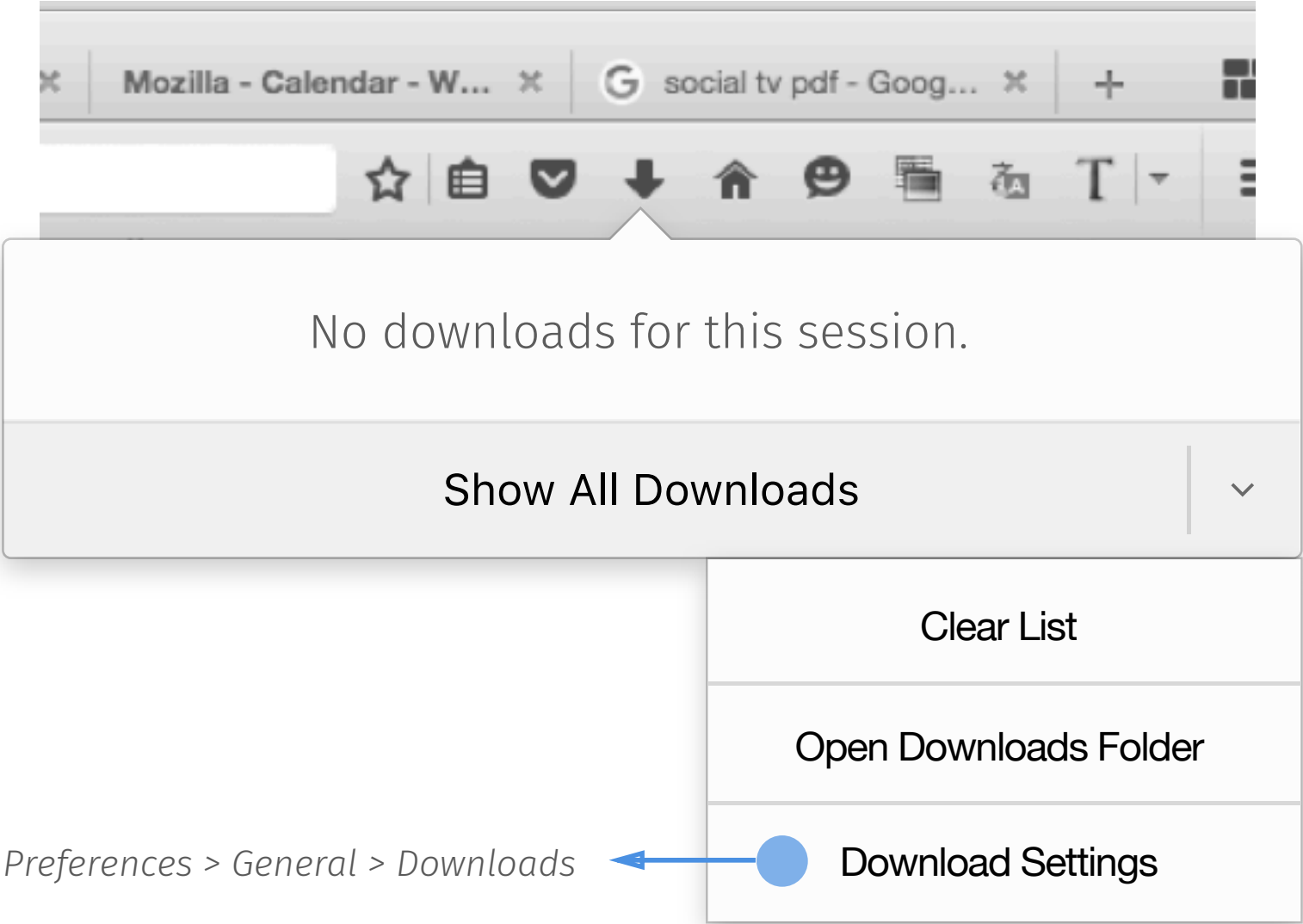


## When Menu is open

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



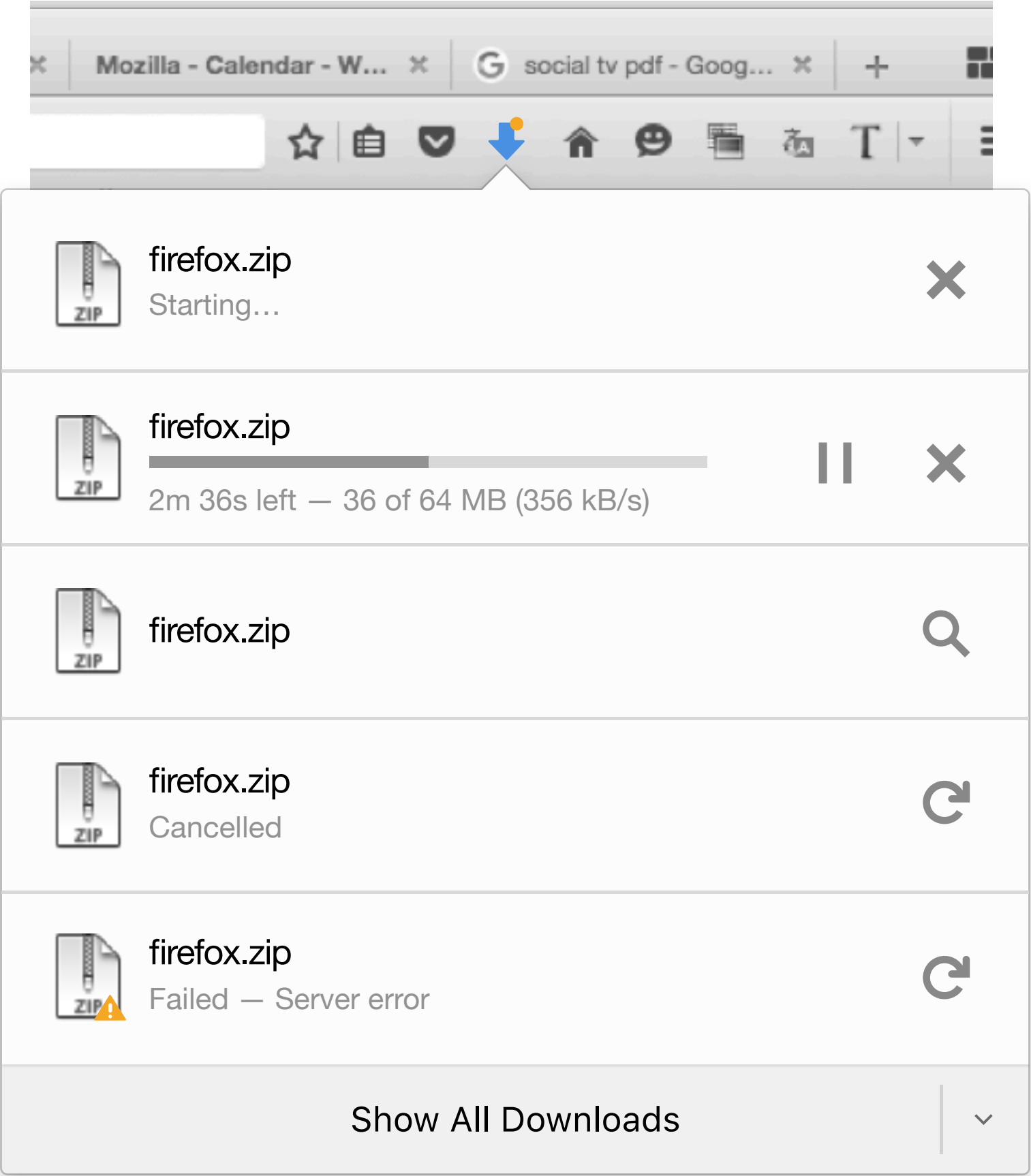
# Download Icon on Toolbar



## Click Download Icon

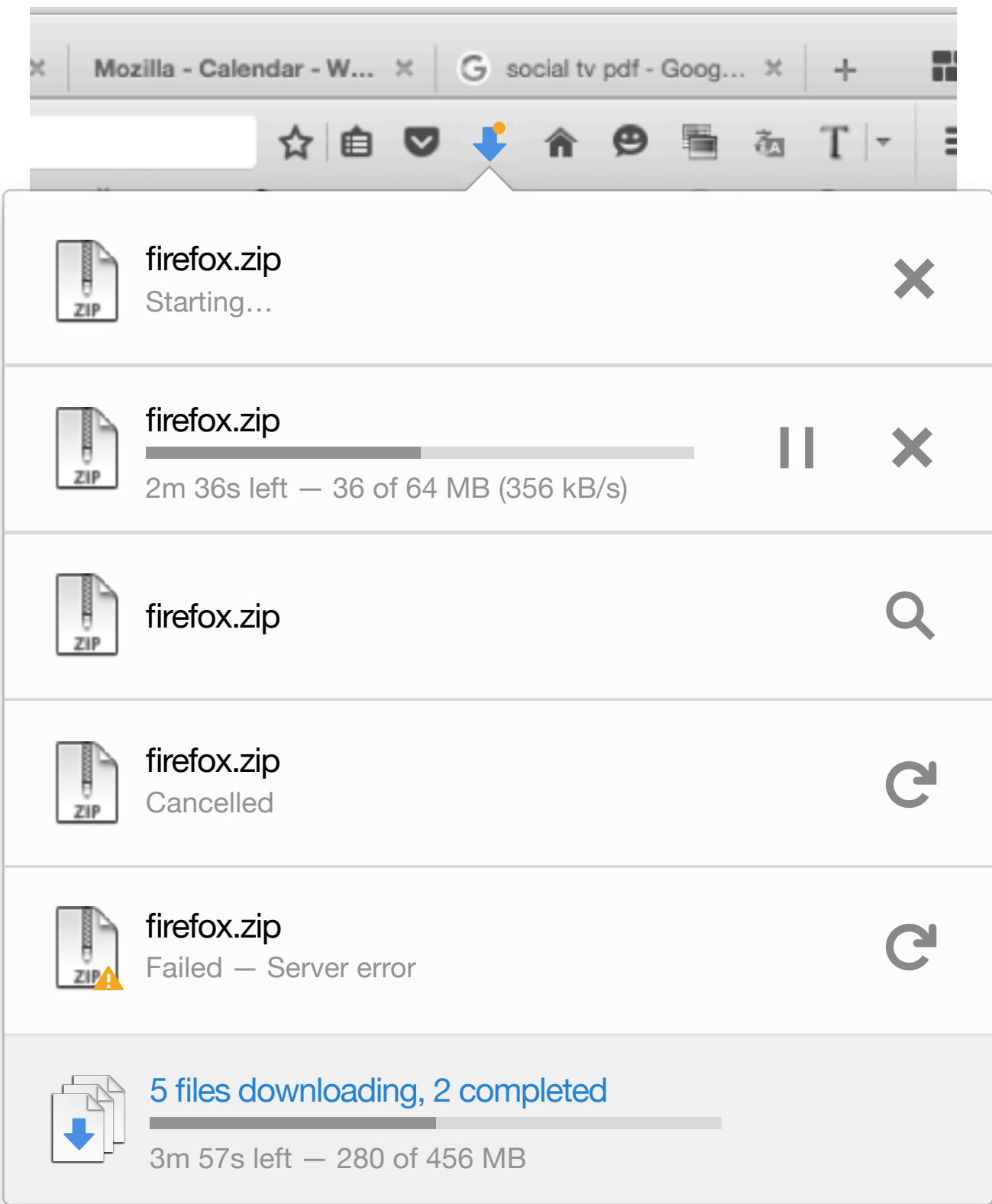
- 1. Show entire download panel
- 2. Hide if user click outside of the download panel

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

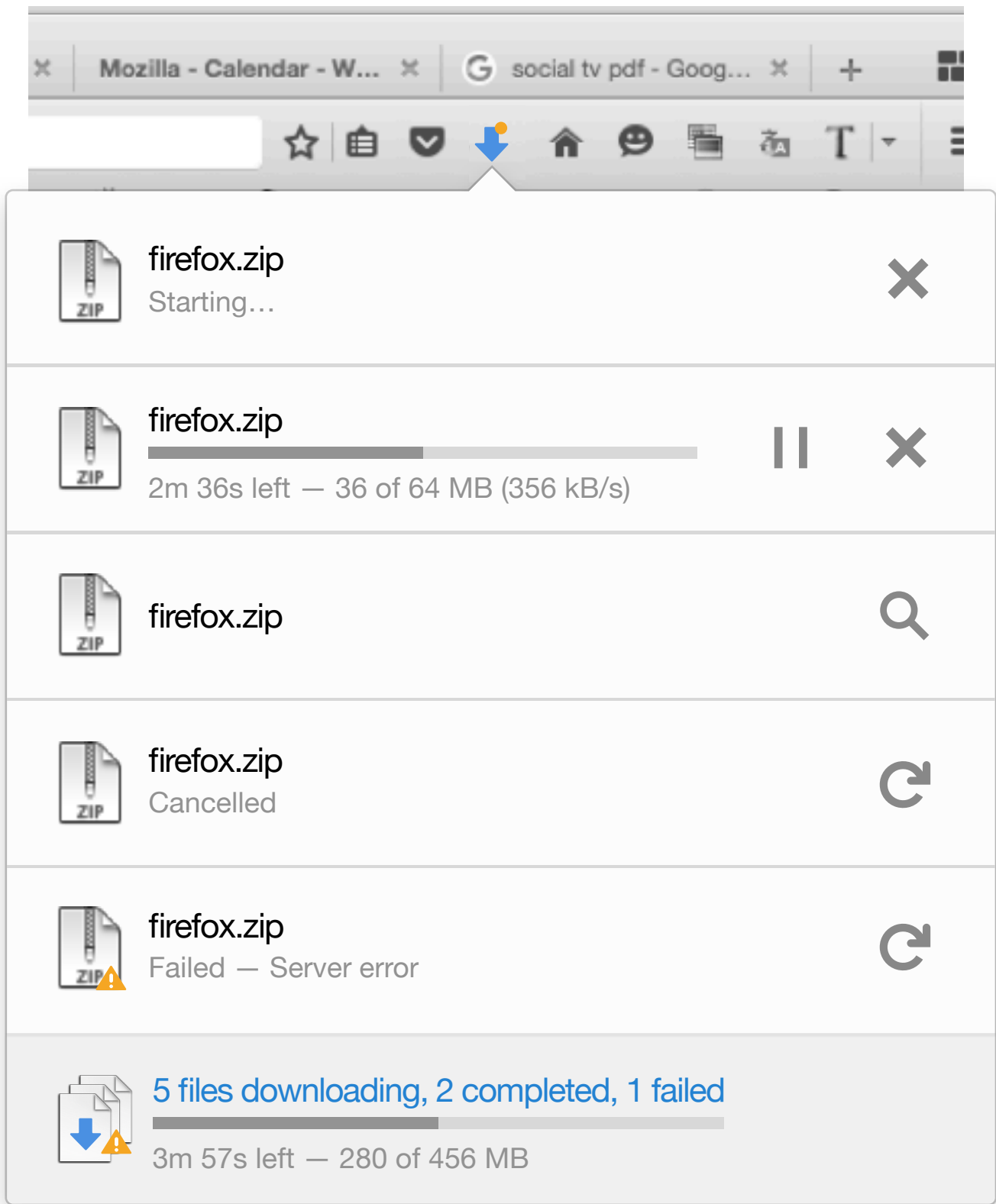


# Download Multiple Files

Multiple Files Downloading

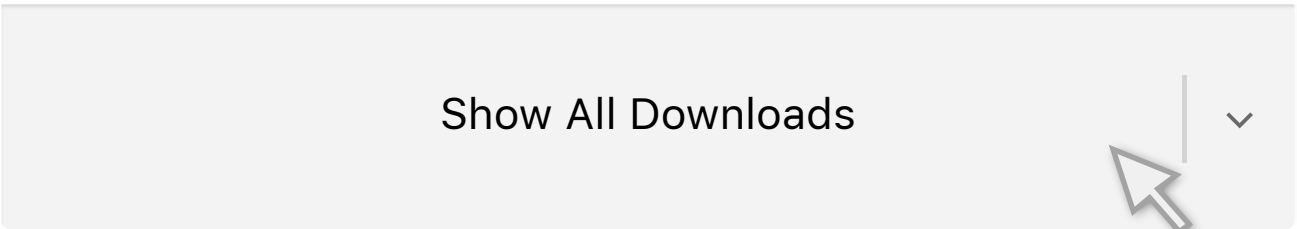


Multiple Files Downloading and failed




- 1. Only appear when the downloading item is 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 remaining — 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 complete

Download pause

Download cancel



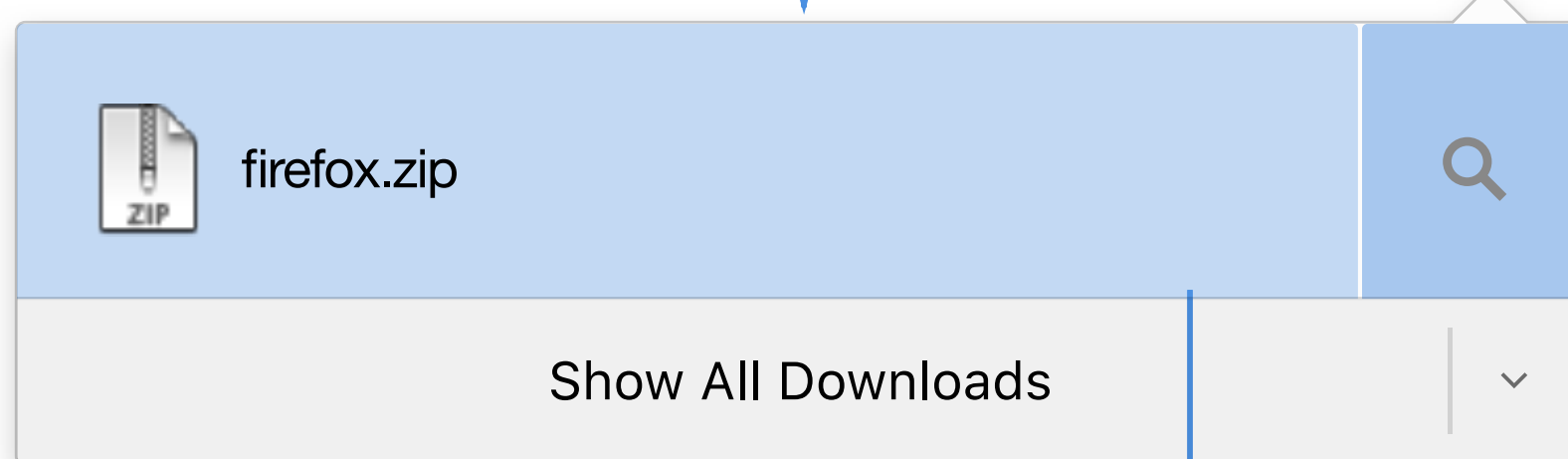
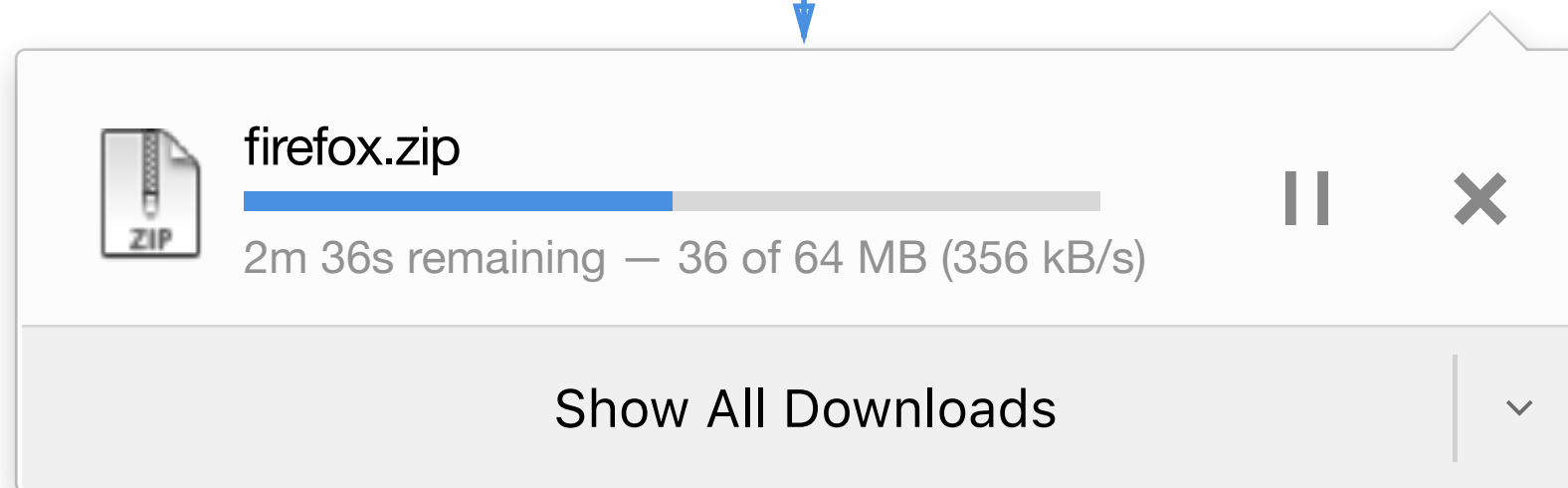
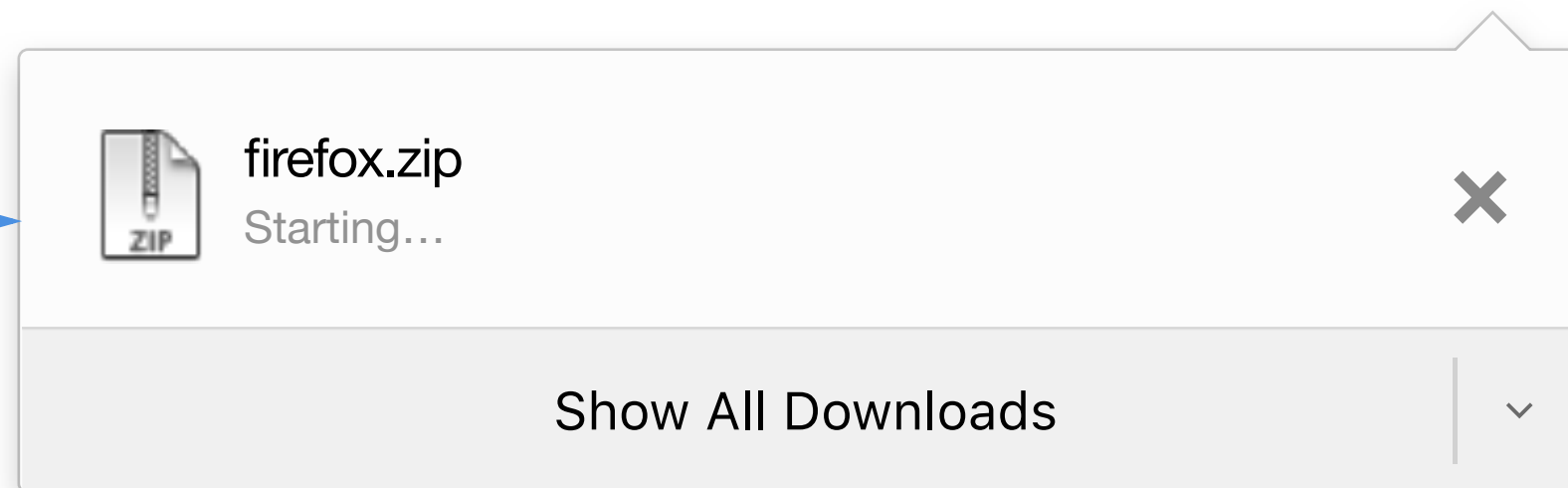
# Download Status- Alert

	<b>firefox.zip</b> Failed — Server error		Download failed
	<b>malware.zip</b> This file will harm your computer		Malware
	<b>uncommon download.zip</b> This file is not commonly downloaded		Uncommon download
	<b>unwanted download.zip</b> This file may harm your computer		Unwated download
	<b>firefox.zip</b> File moved or missing		Download deleted
Show All Downloads			▼



# Start Download & Complete

[Web link](#)



## Rules for ETA

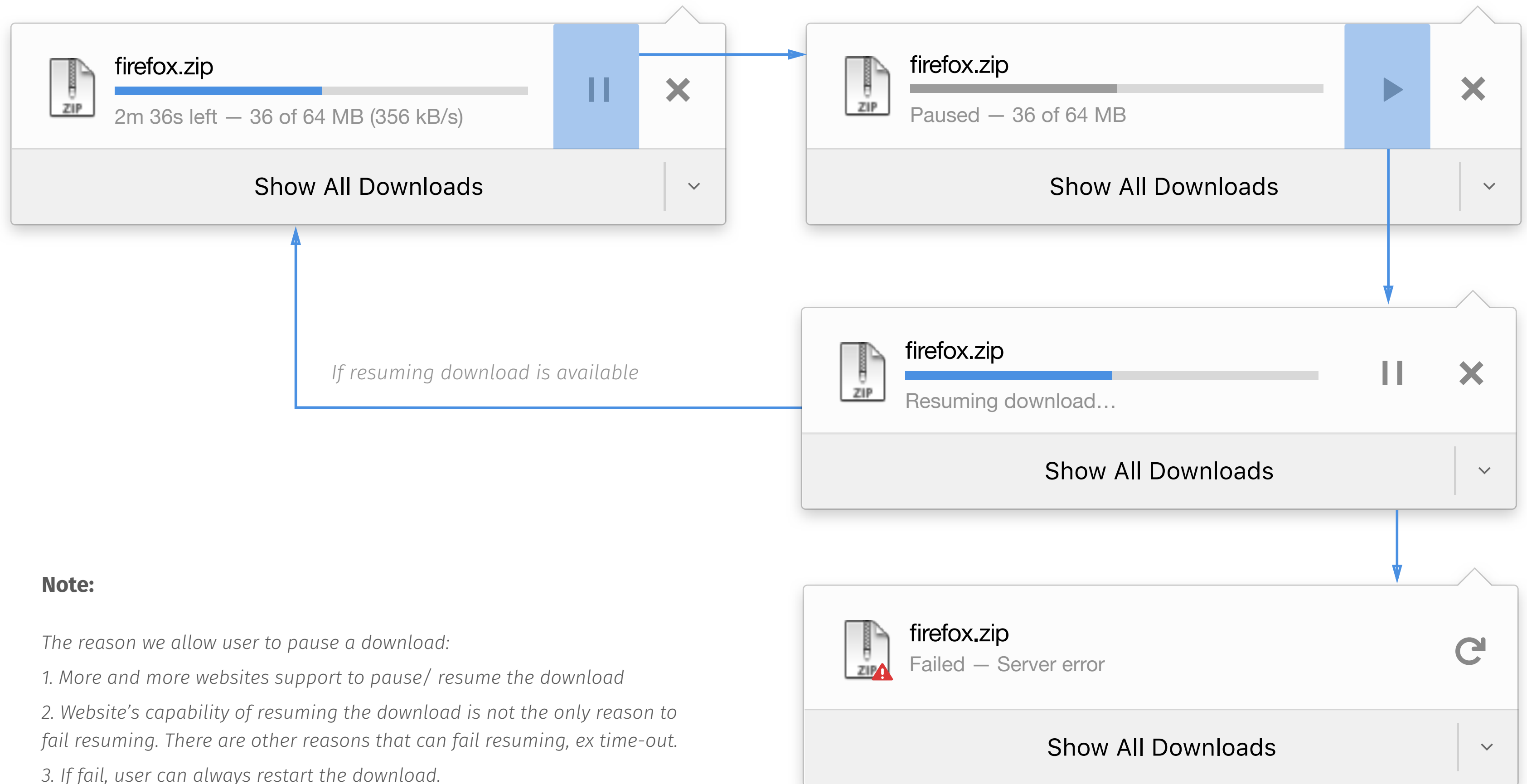
4 s > ETA, show **A few seconds remaining**  
4 mins > ETA > 4s, show **Xm Xs remaining**  
60 mins > ETA > 4mins, show **Xm remaining**  
ETA > 60mins, show **Xh remaining**

[View in Finder](#)

[Open file with default app](#)



# Pause & Resume



## Note:

The reason we allow user to pause a download:

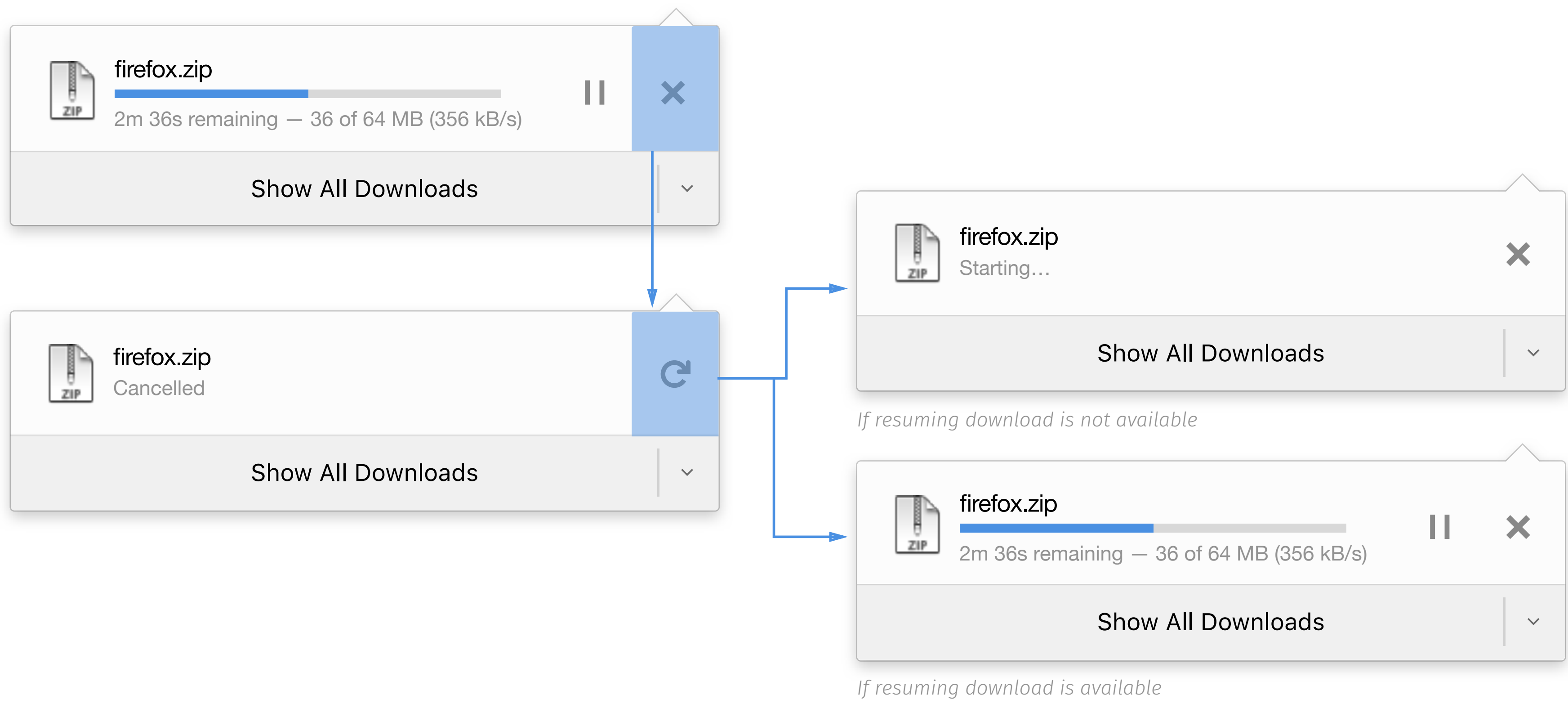
1. More and more websites support to pause/ resume the download
2. Website's capability of resuming the download is not the only reason to fail resuming. There are other reasons that can fail resuming, ex time-out.
3. If fail, user can always restart the download.

If resuming download is not available

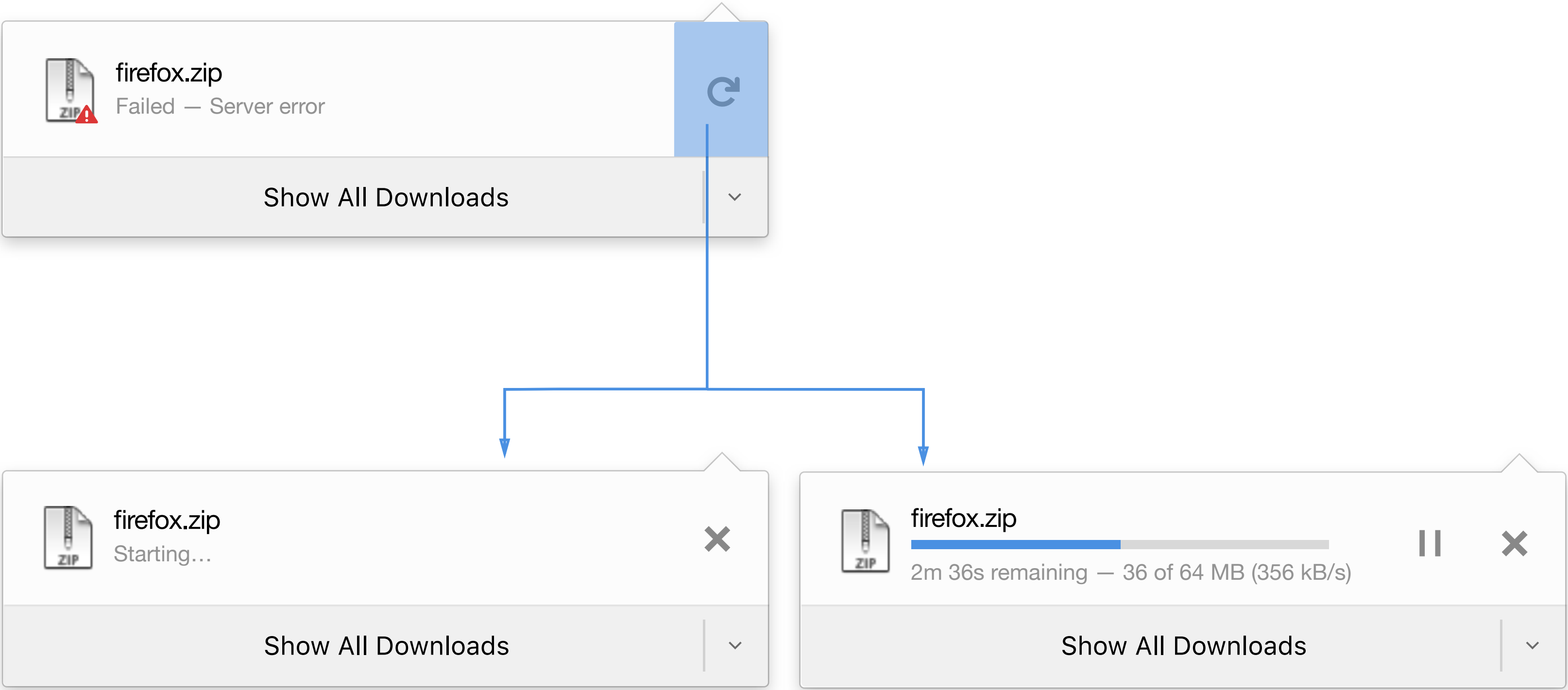




# Cancel & Restart



# Fail & Restart

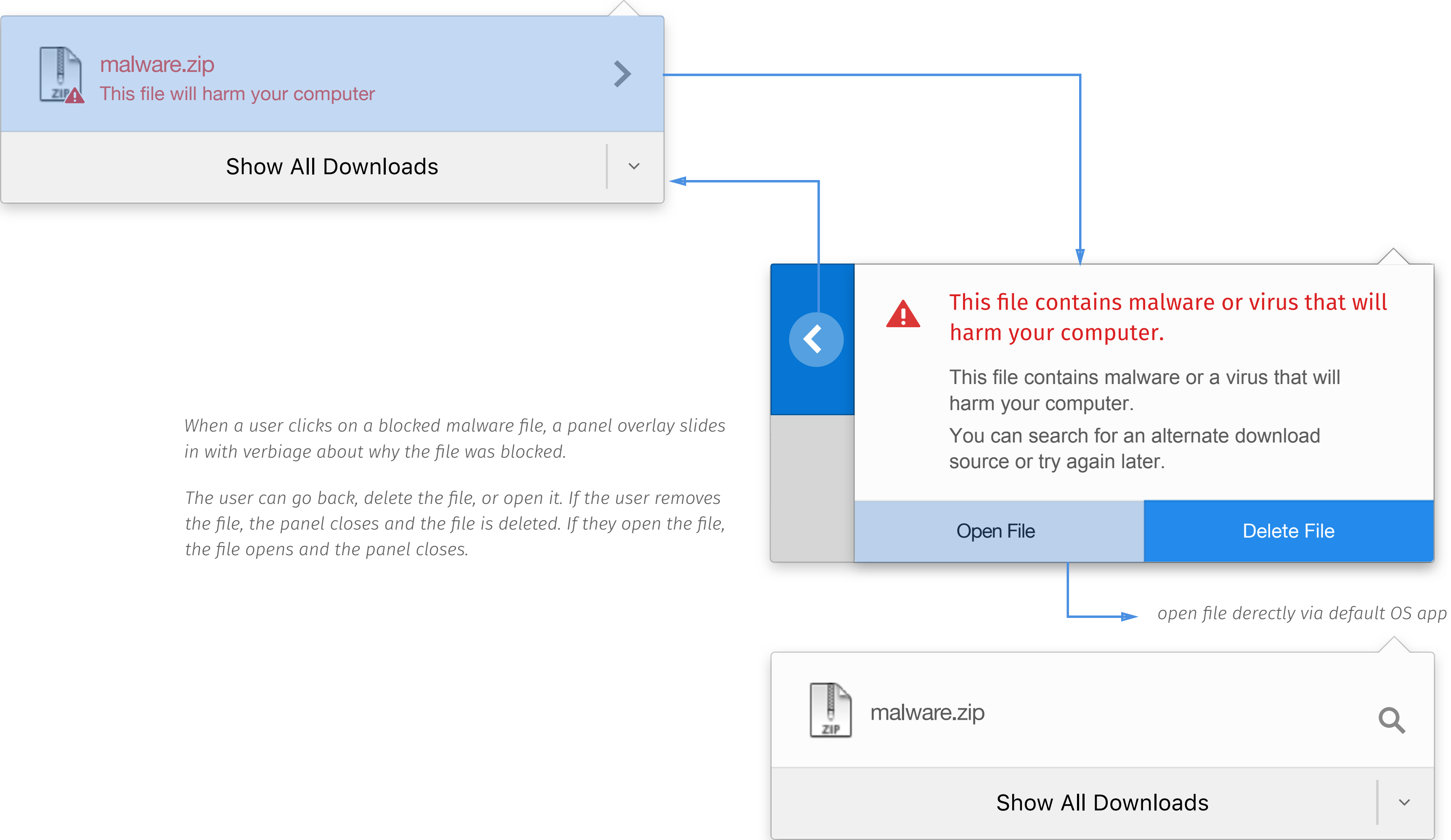


*If resuming download is not available*

*If resuming download is available*



# Malware



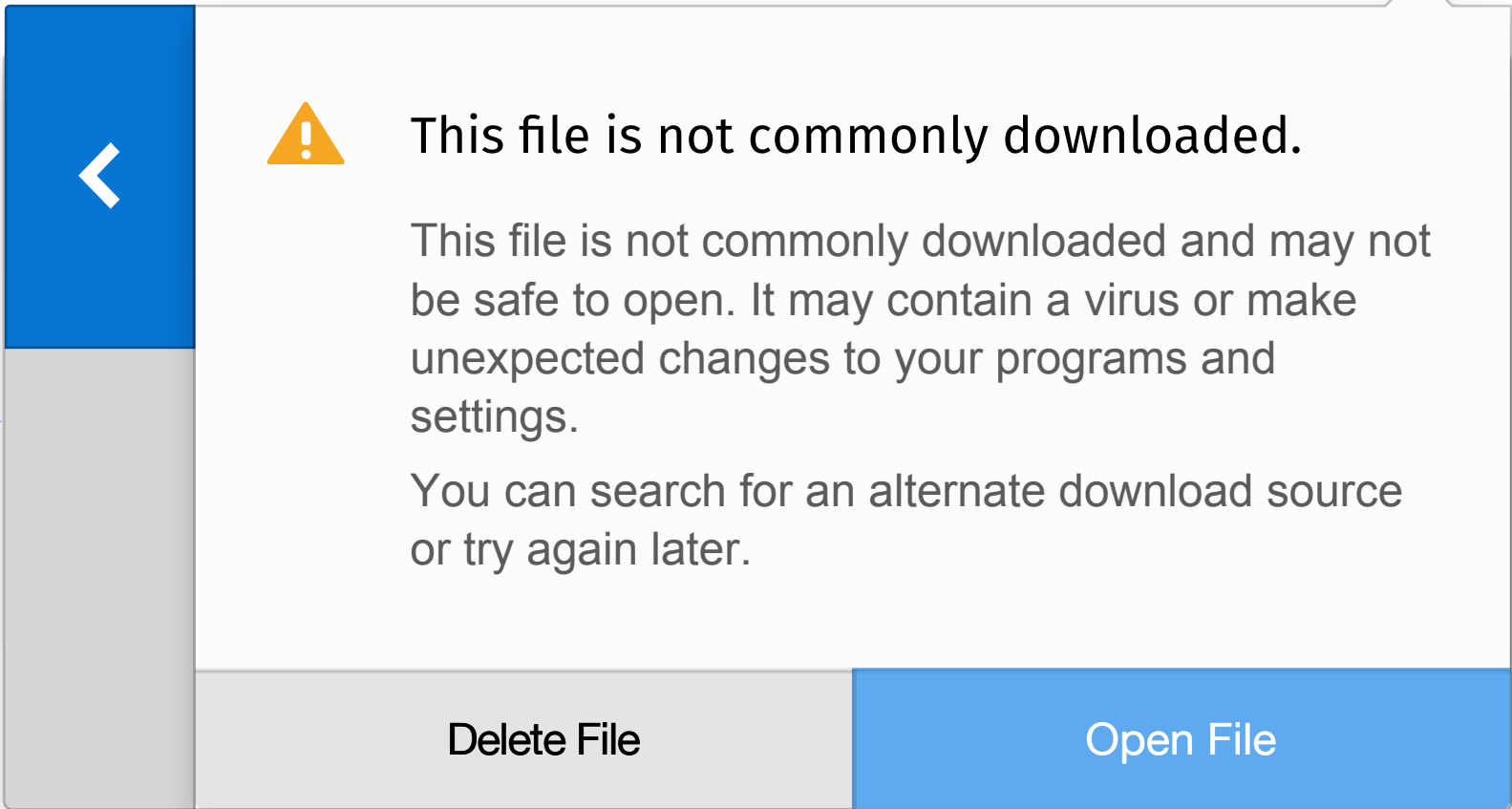
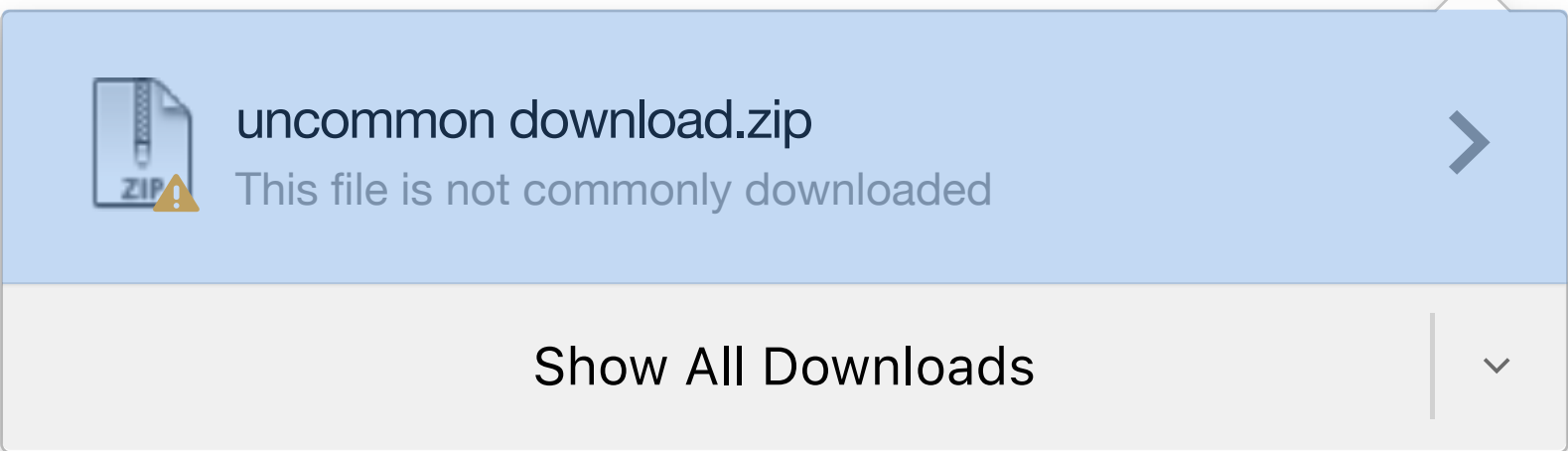
When a user clicks on a blocked malware file, a panel overlay slides in with verbiage about why the file was blocked.

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.

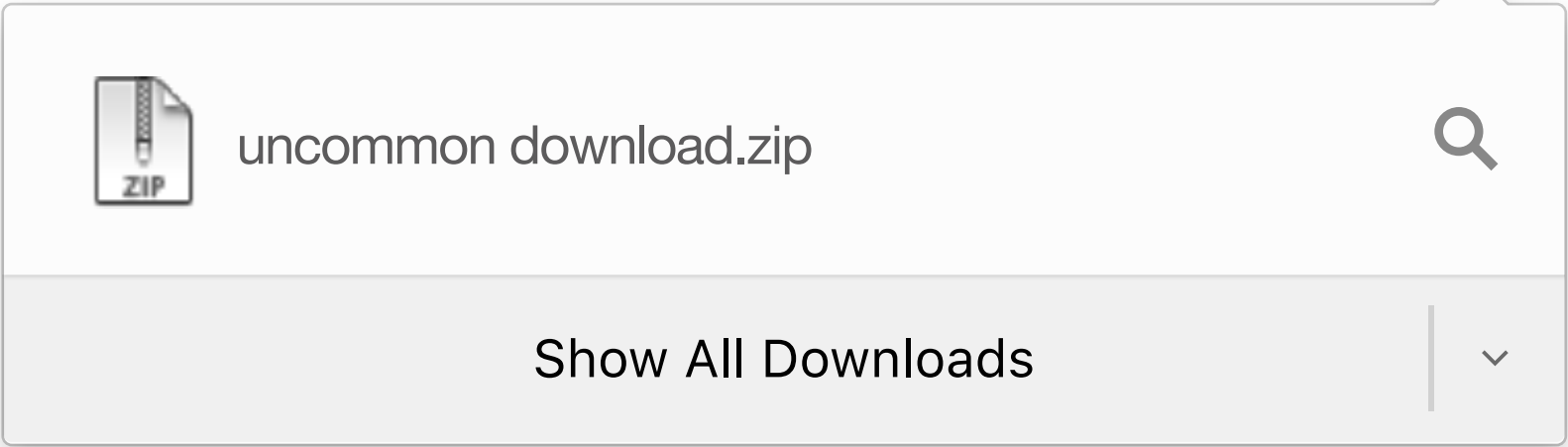
Next time when user opens the panel, the row will now displayed as a normal download.



# 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.

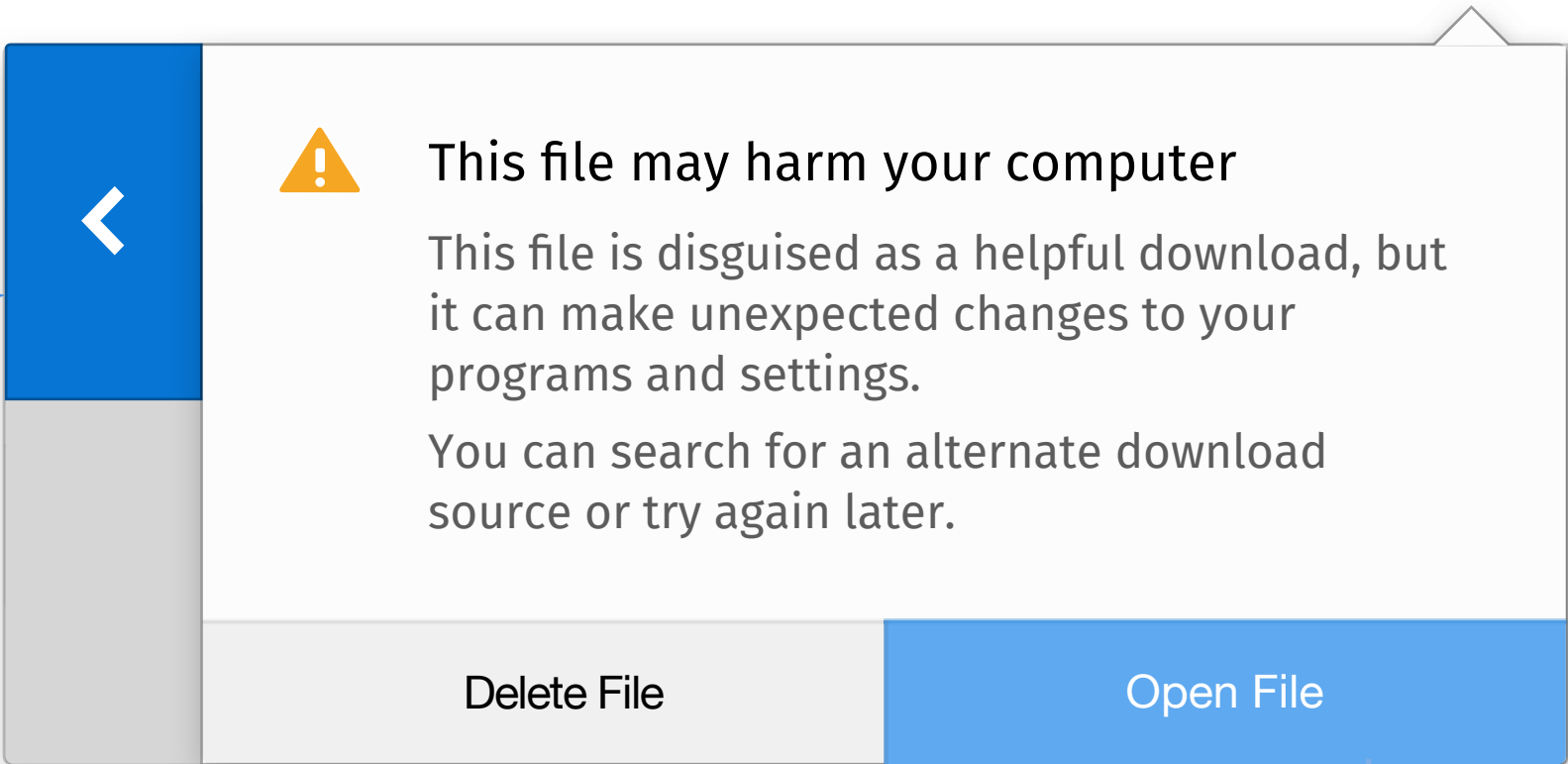
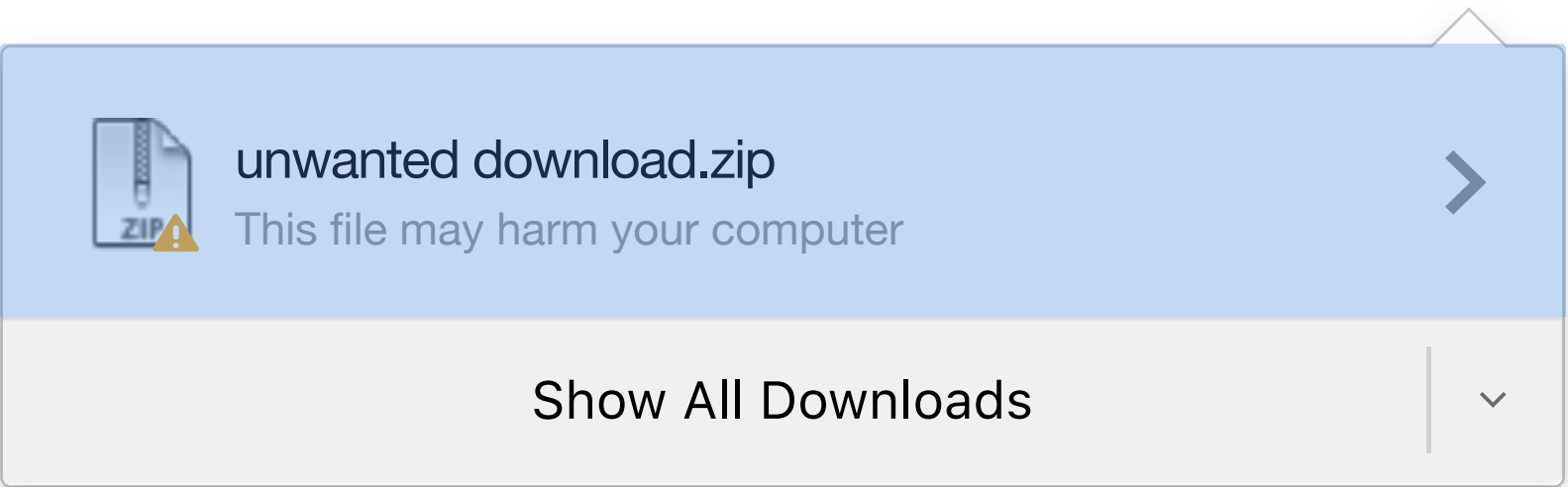
**Note**

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

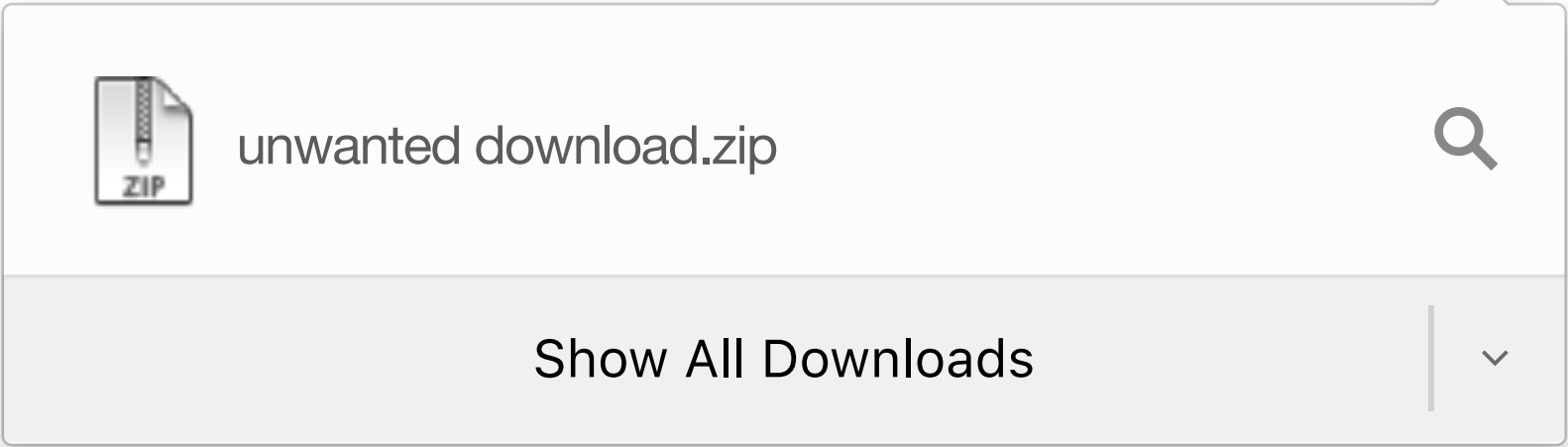
With Uncommon Files, we could keep the file accessible through Explorer/ Finder, but the confirmation still exists when I user tries to open the file in Firefox.



# Unwatnted download



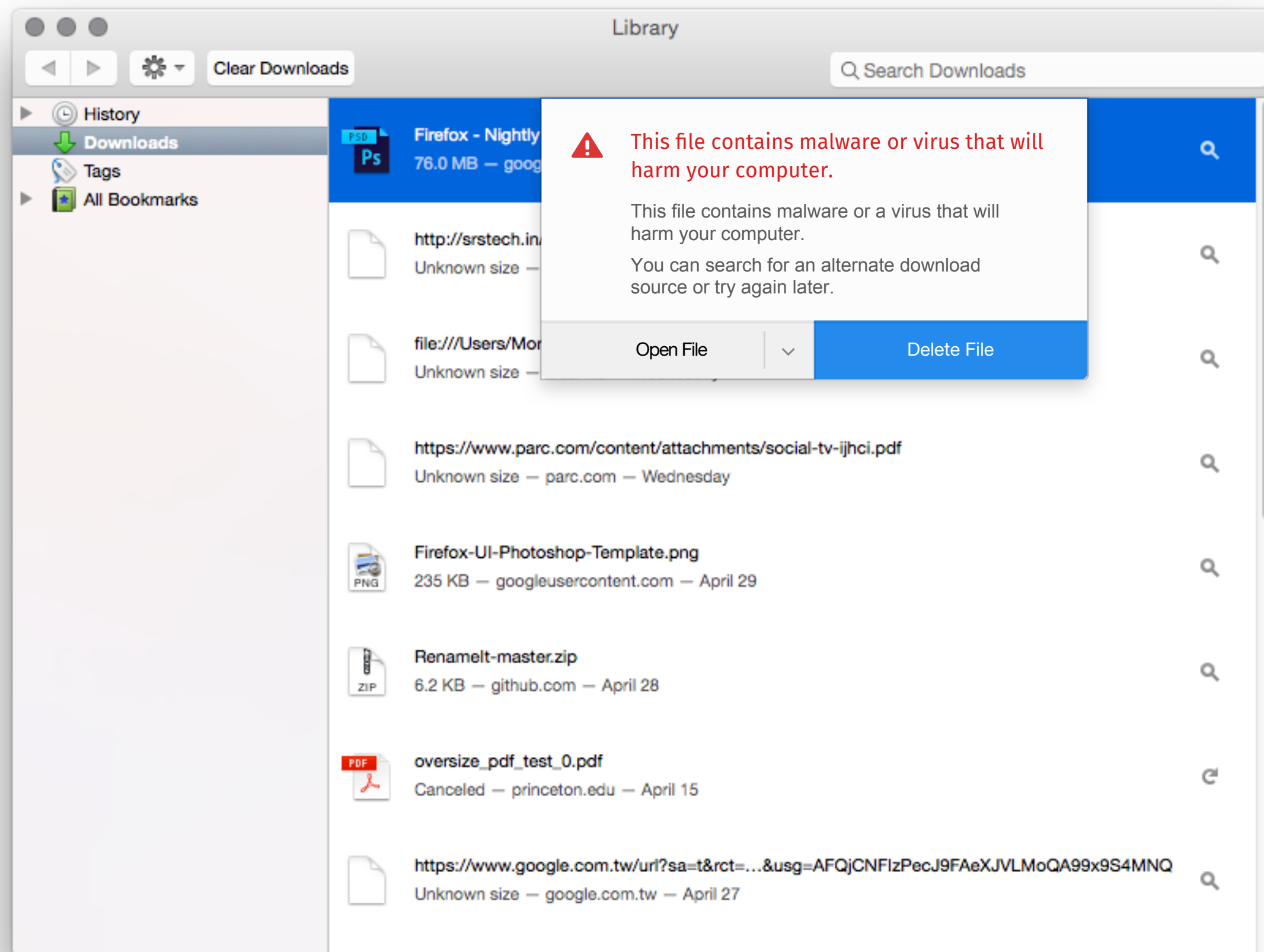
The user can go back, delete the file, or open it. If the user removes the file, the panel closes and the file is deleted.



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.



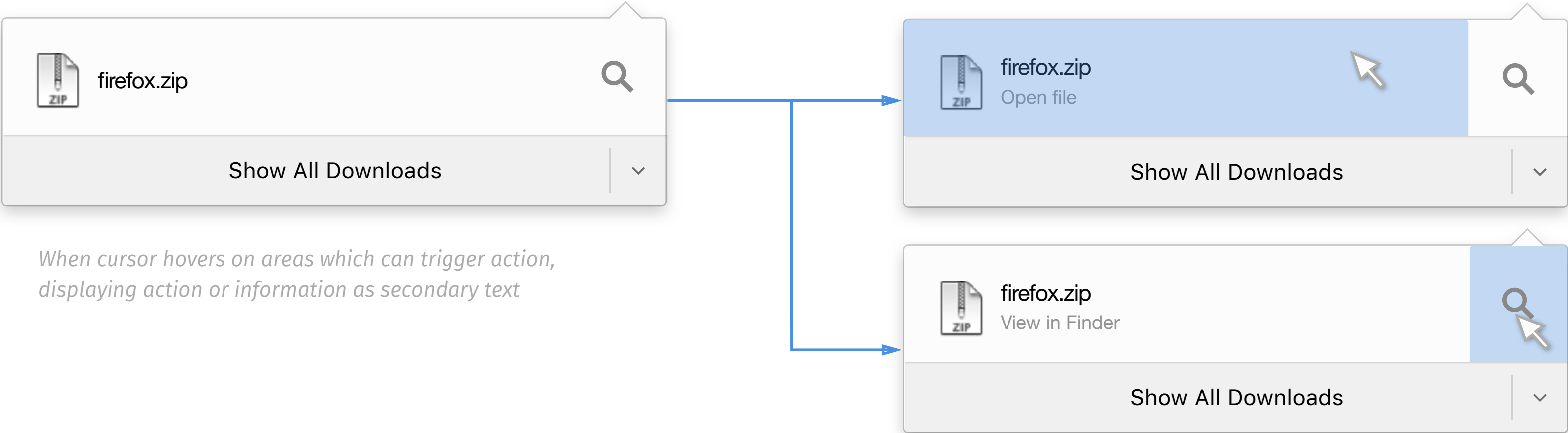
# Modal pop-up in the Downloads Library



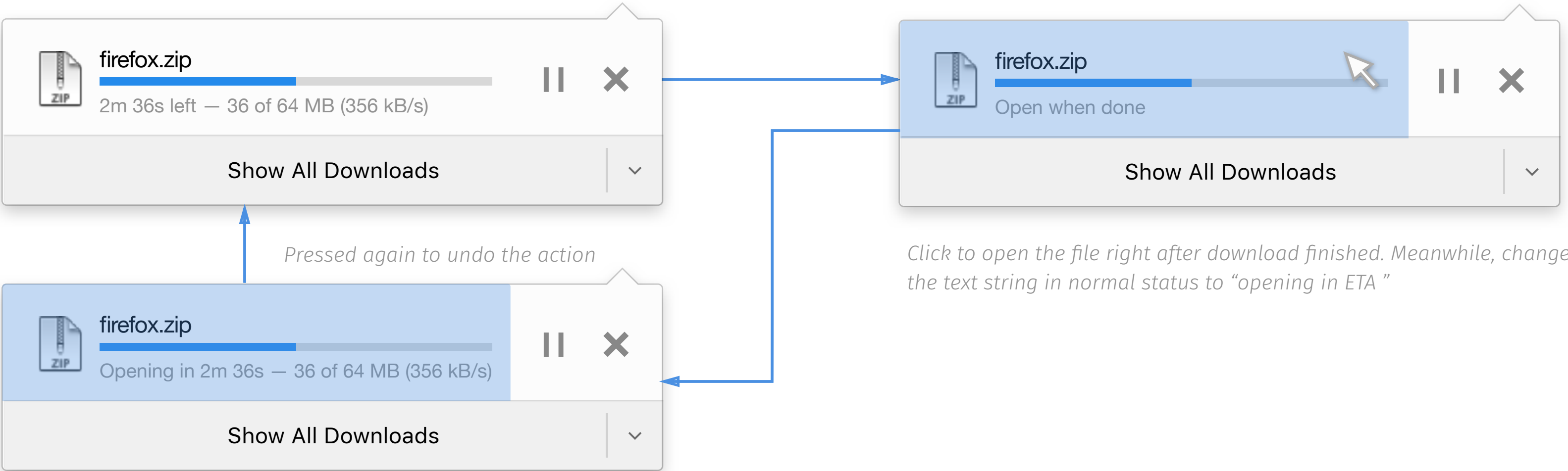
A modal pop-up is used in the Downloads Library instead of a slide-over.



# 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	🔍

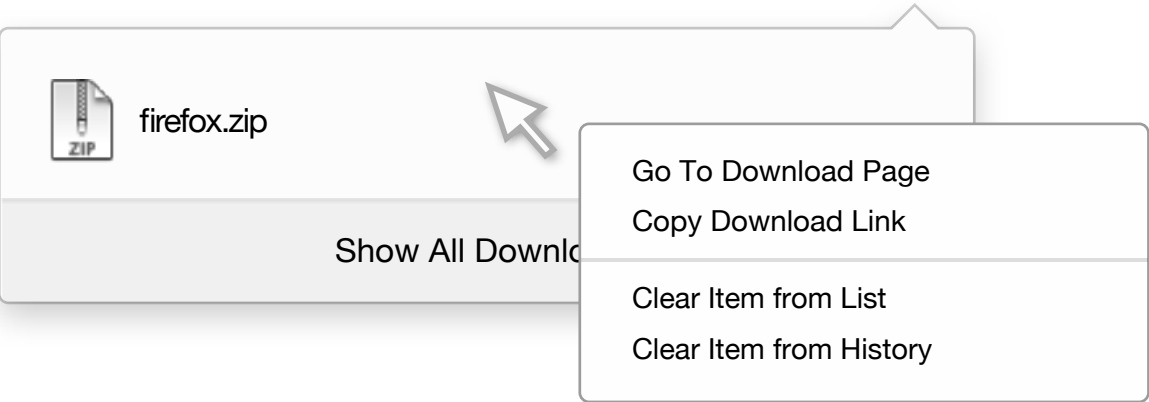
Hover on button

- Cancel download
- Pause download/ Cancel download
- Resume download/ Cancel download
- View in Finder
- Restart download
- Restart download
- View in Finder
- View in Finder
- View in Finder





# 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 Item from List
Clear Item from History

### Cancelled

Go To Download Page
Copy Download Link
Clear Item from List
Clear Item from History

### Paused

Show in Finder
Go to Download Page
Copy Download Link

### Deleted

Go To Download Page
Copy Download Link
Clear Item from List
Clear Item from History

## Alert

### Failed

Go To Download Page
Copy Download Link
Clear Item from List
Clear Item from History

### Malware

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

### Uncommon download

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

### Unwanted download

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

