

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
V 1.1	JUN 23, 2016	Morpheus, Bryant	Put “pause” feature back to contextual menu
			Edit native app for protocol



Release Notes

V 1.2 JUL 07, 2016 Morpheus, Bryant

Update copy strings, find more details here: <https://goo.gl/lixc90>

Update 5.4.2 for unknown size download

Create 5.8 Duplicate downloads

Remove all “Add-on” in file handler section

Update 6.5 for “Always Ask” and Edit for OS default application

Create 6.6 for special cases, including web feed, podcast, etc

V 1.3 AUG 29, 2016 Morpheus, Bryant

 Find this icon for updates

Update term specification for redesign of Control Center

Update overall download status for summary on download panel

Create “always download and open this file type” in context menu on download panel

Create protection for multiple automatic downloads

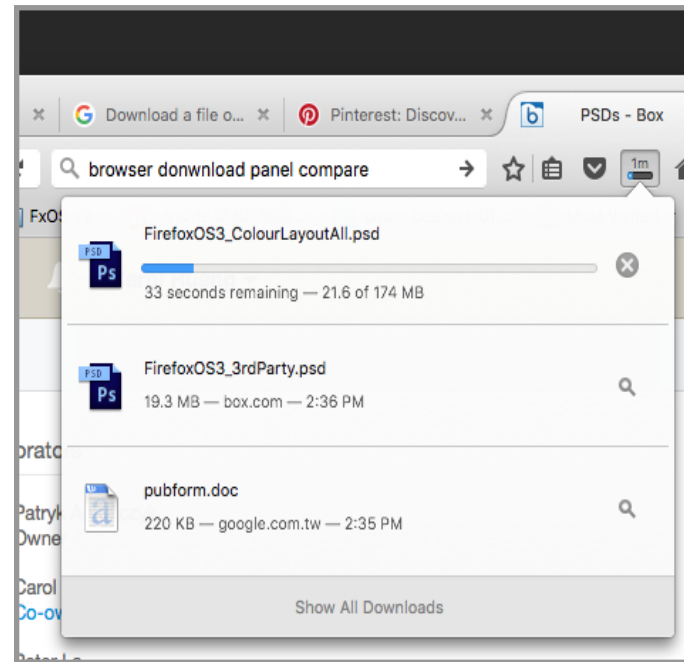
Update the diagram for “Always download and open this file type”

Replace the style of notification bar with redesign of control center

Update diagram for opening non-specific protocols and unify dialog design

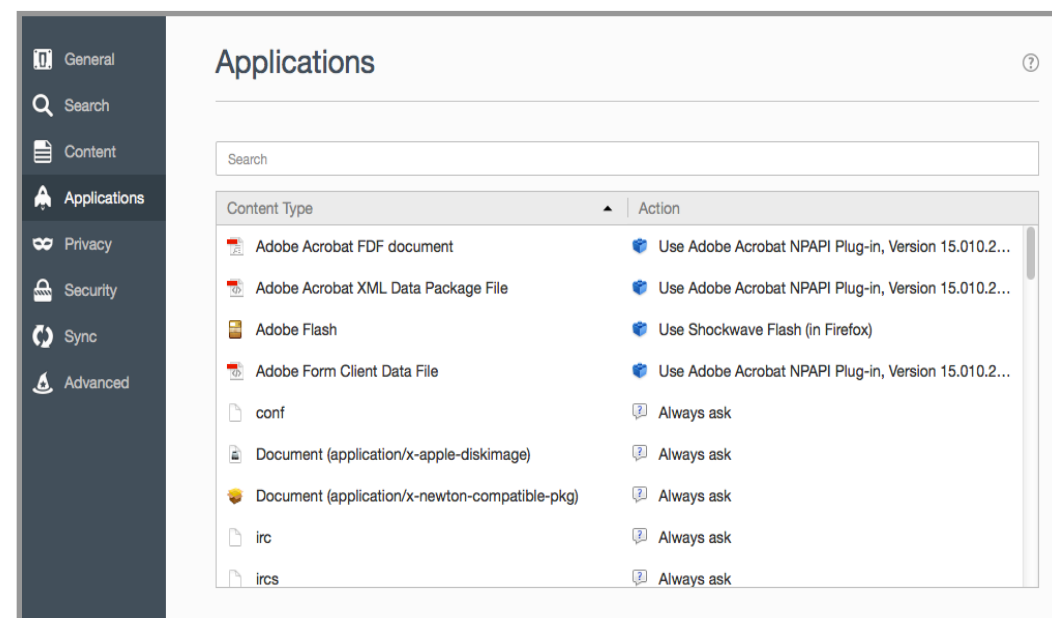


OVERVIEW



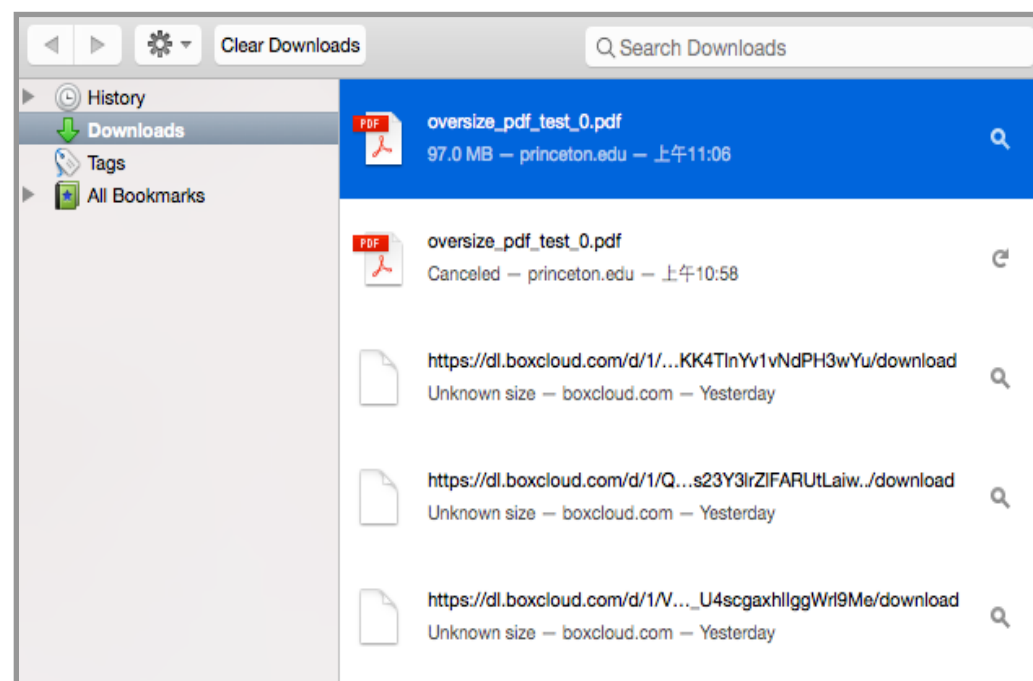
Download panel

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 handling 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*

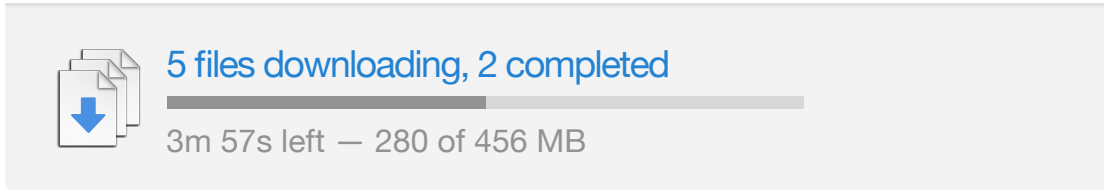


Term Specification

Notification



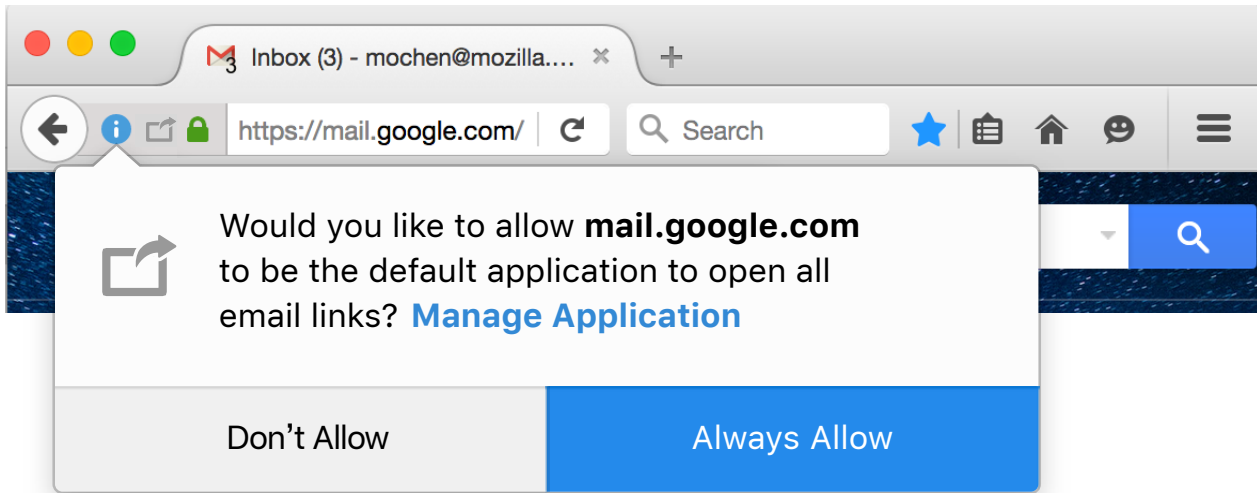
Download Summary



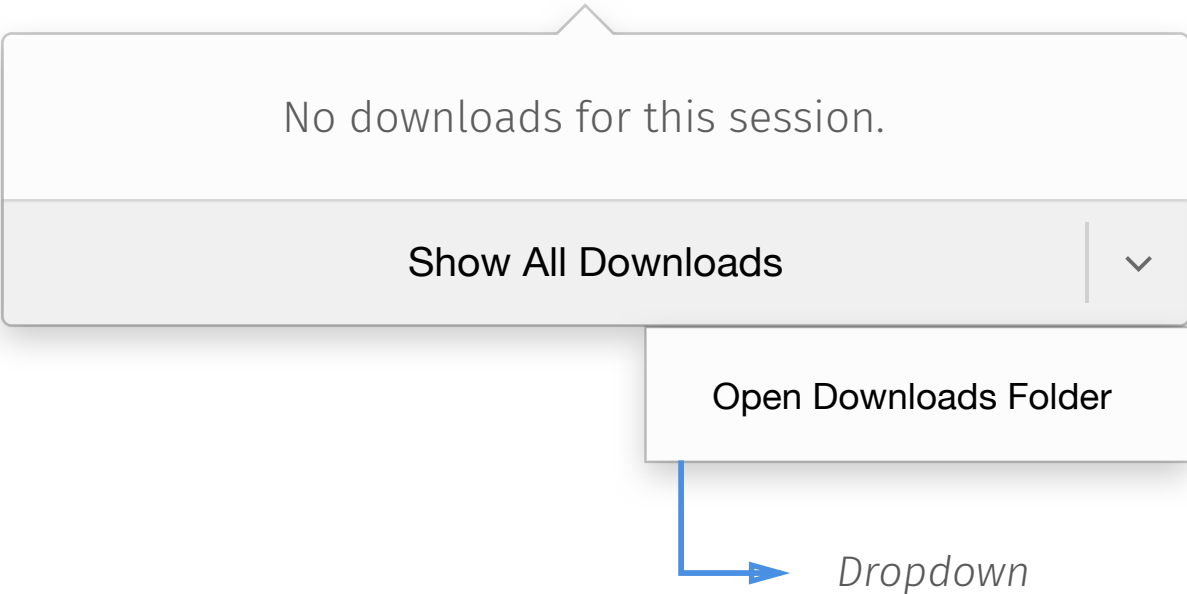
Handler

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

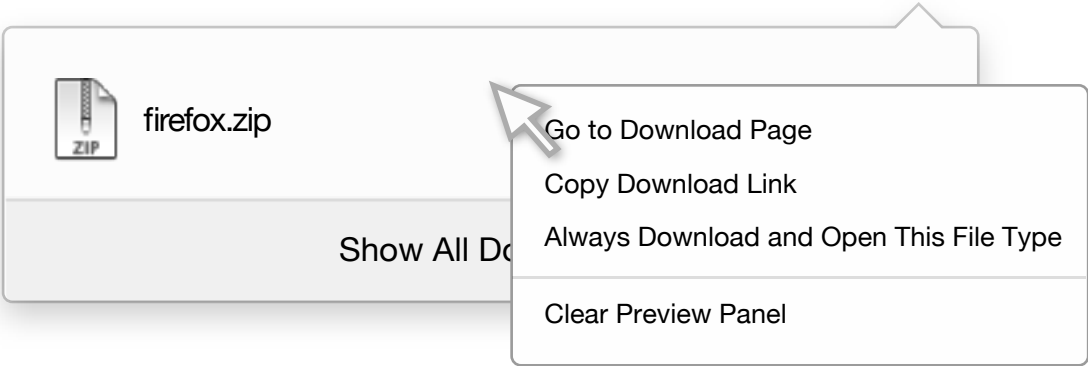
Doorhanger



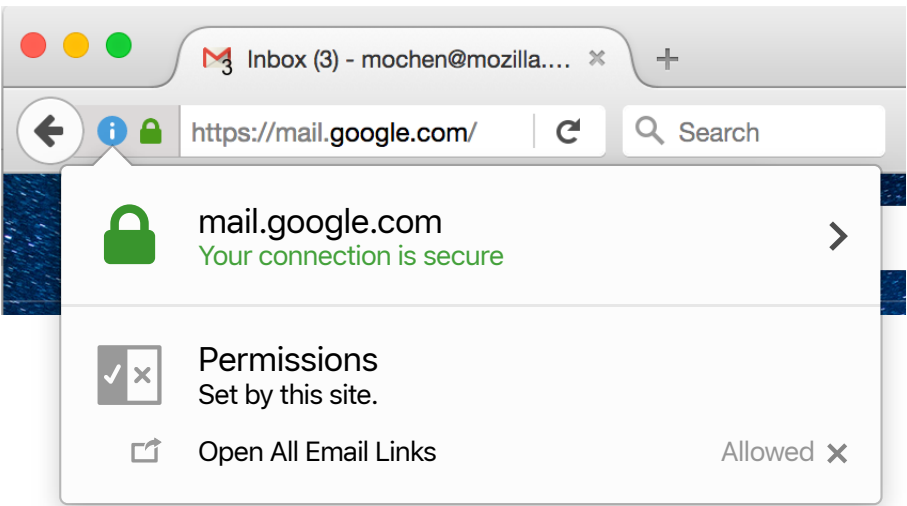
Download Panel



Context Menu



Control Center

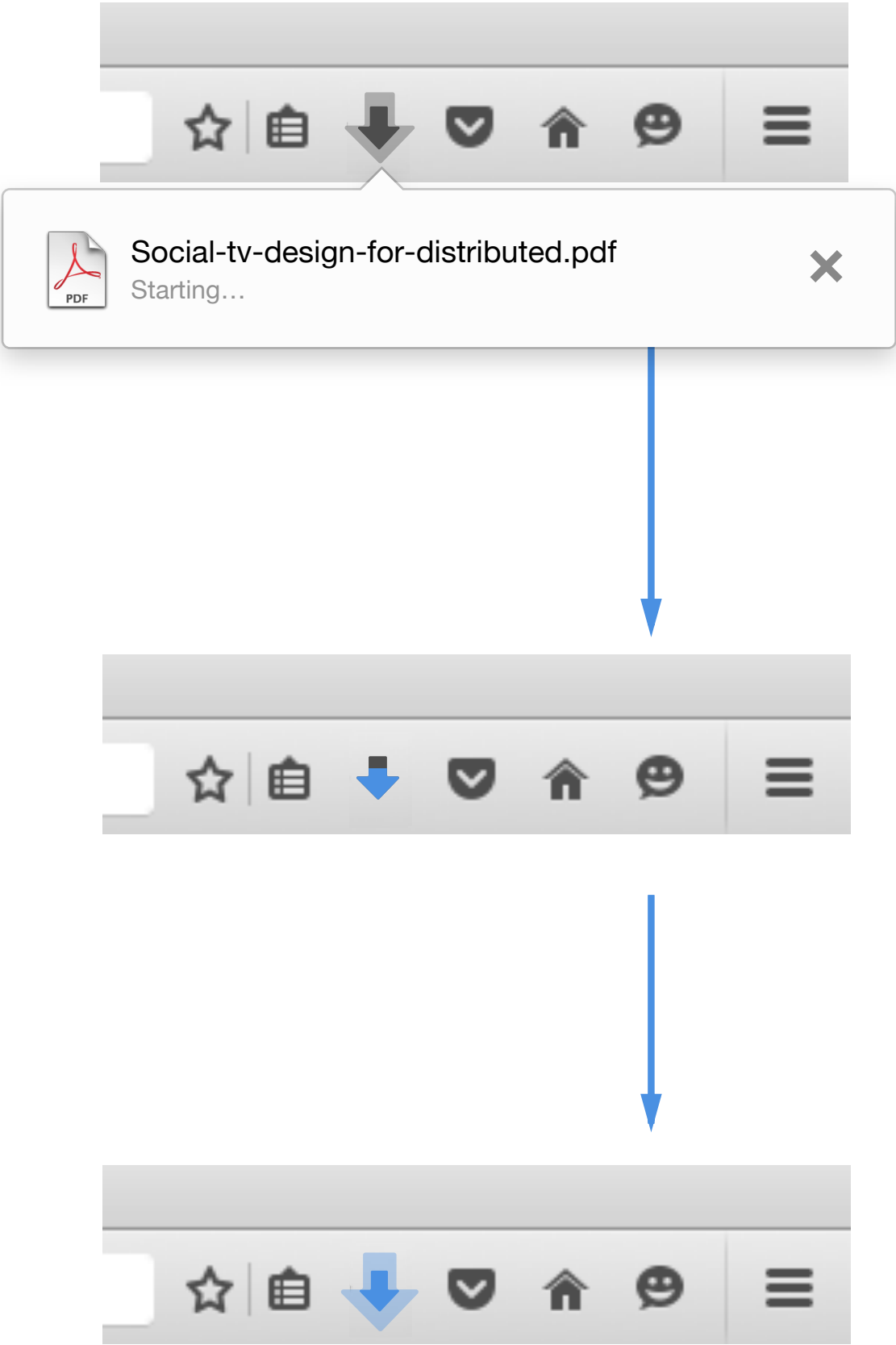


Term Specification



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



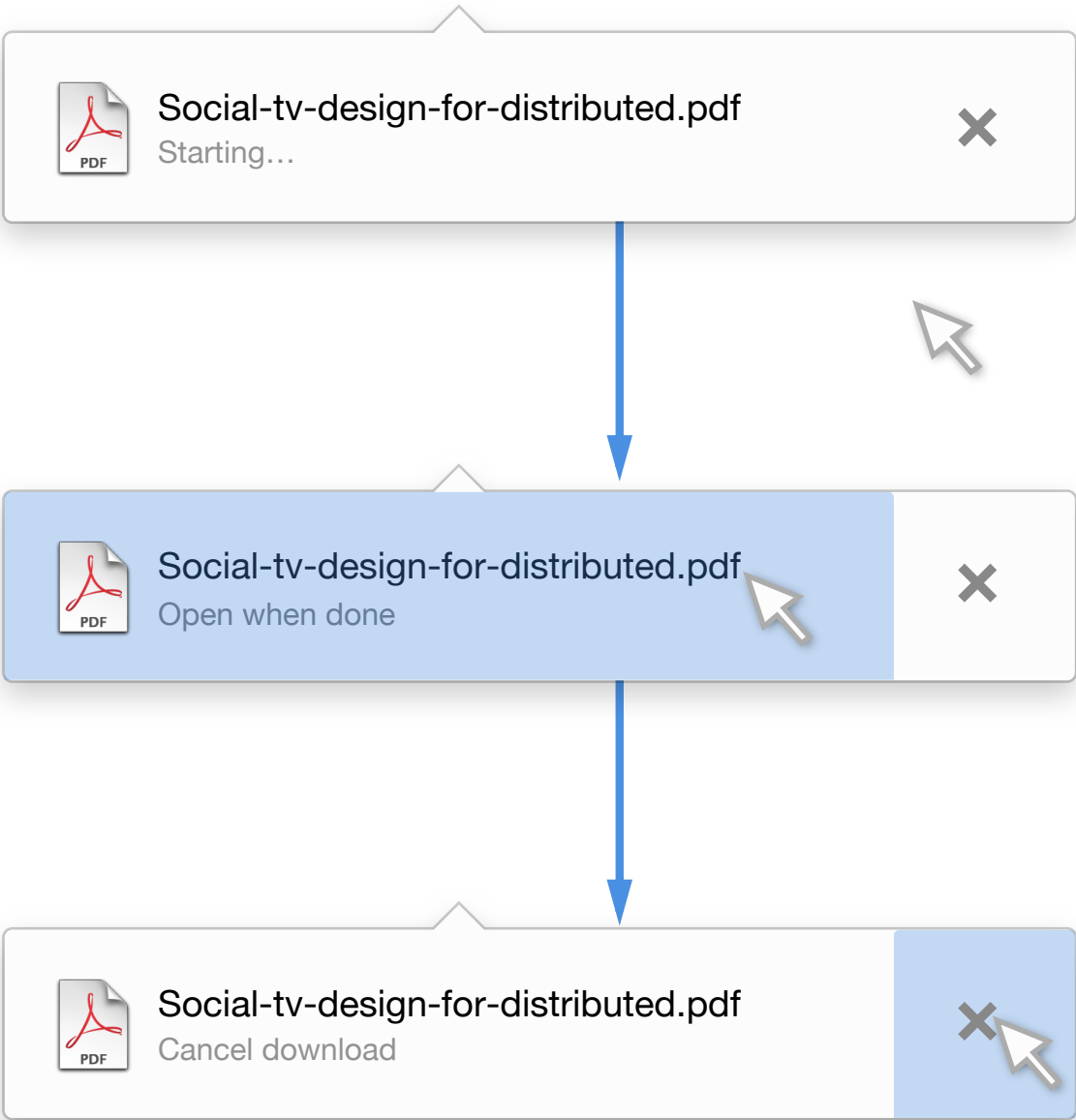
Download Complete

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

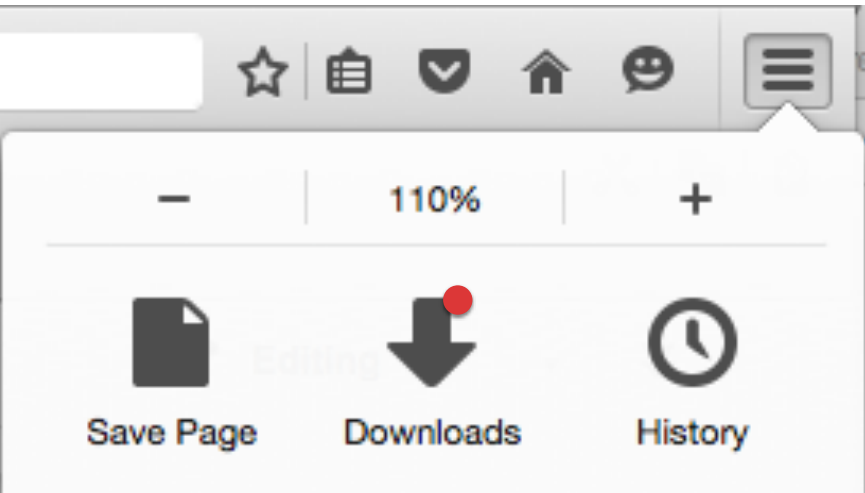
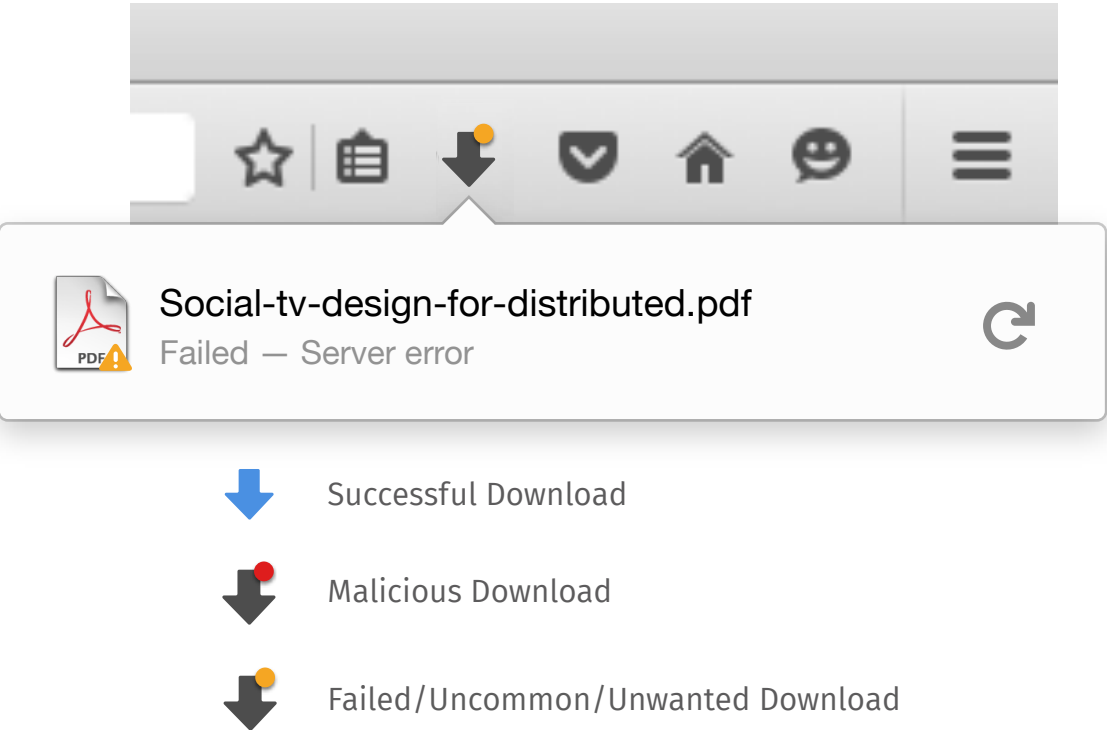


Hover for Actions

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.



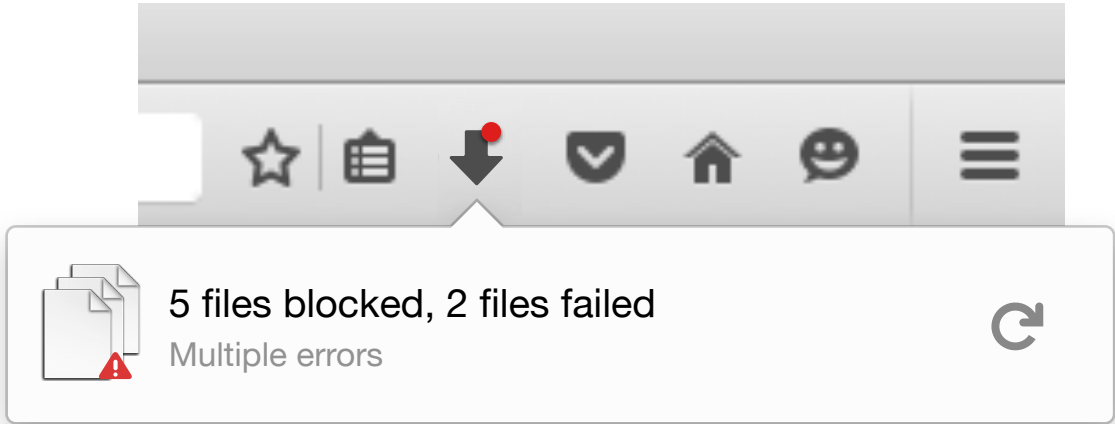
Download Alert as Badges



Alert: Failed/ Malware/ Unwanted/ Uncommon

When a user downloads a file, the status of the download is shown 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 are more downloads which need to display alert states, the alert notifications will be grouped.

For Malware, Uncommon, Unwanted

{1 file blocked}
{<1 +n> files blocked}

For Failed

{1 file failed}
{<1 +n> files failed}

For Grouped Notification with blocked and failed both, place blocked first, then failed:

{1 file blocked, 5 files failed}
{2 files blocked, 1 file failed}

Download icon in the Menu Panel

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

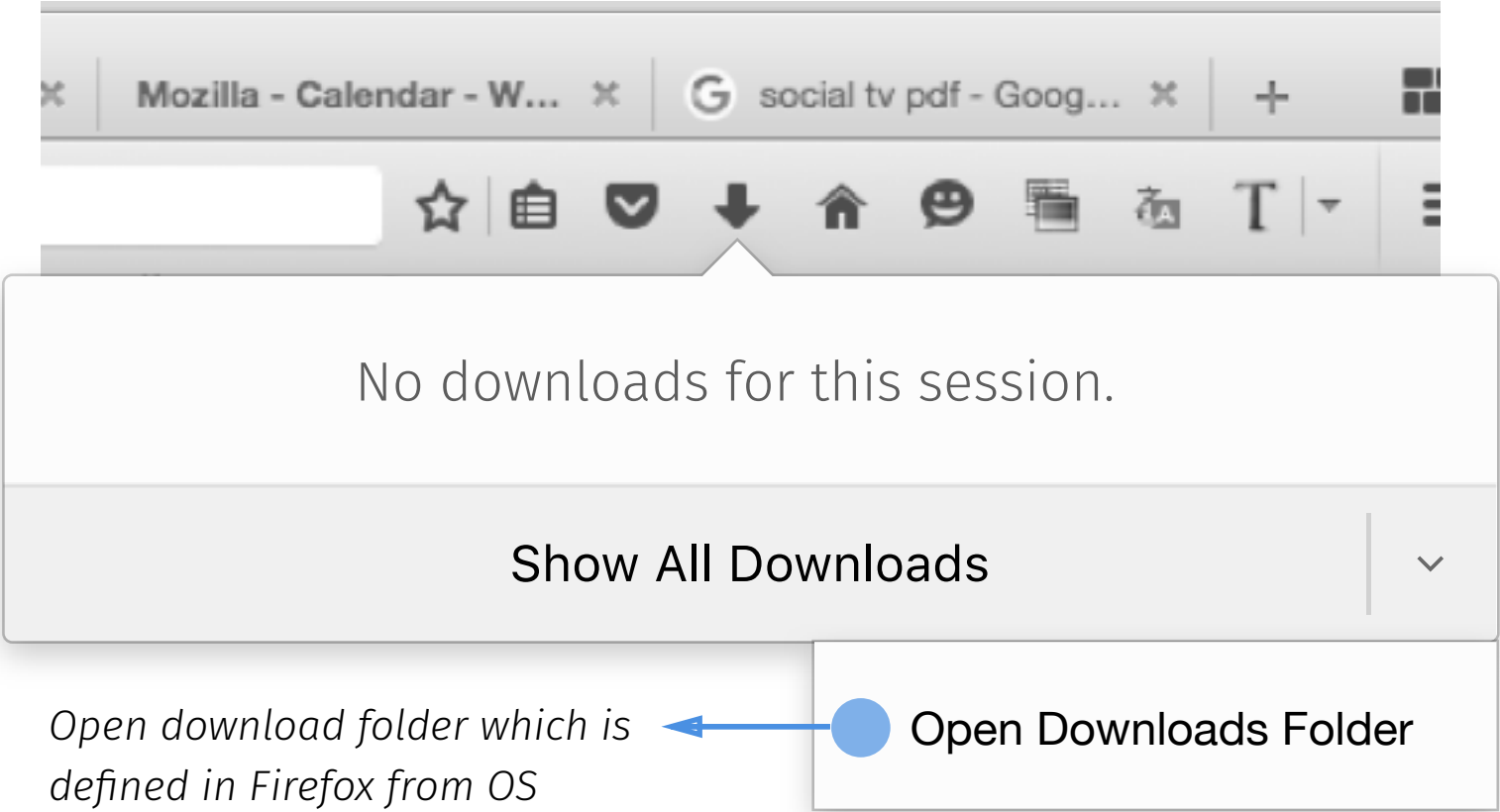
If there is a browser update available at the same time, the download badging will supercede the update icon on the menu. Once the menu is opening, the badging can disappear after.

When Menu is open

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



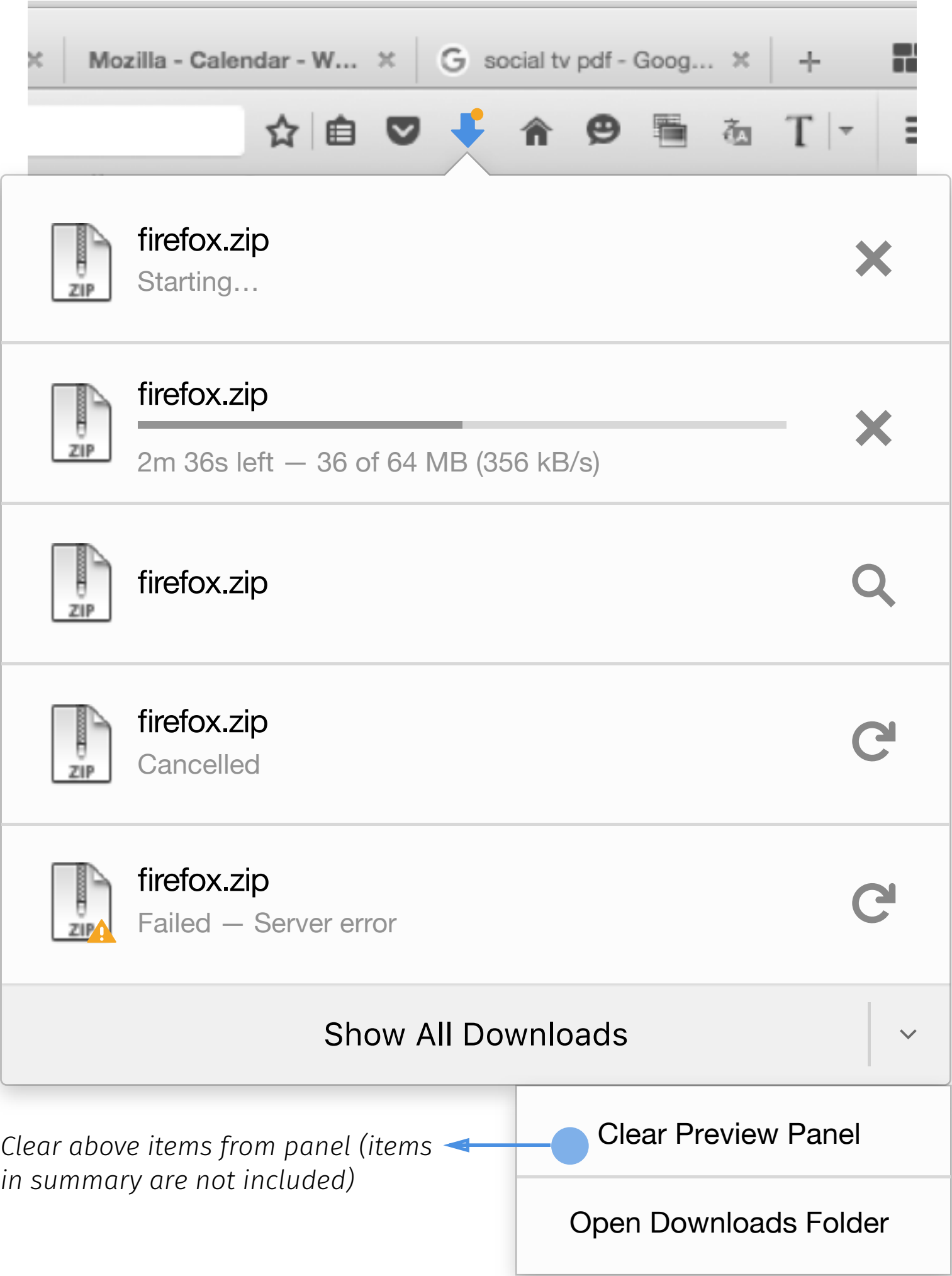
Download Icon on Toolbar



Click Download Icon

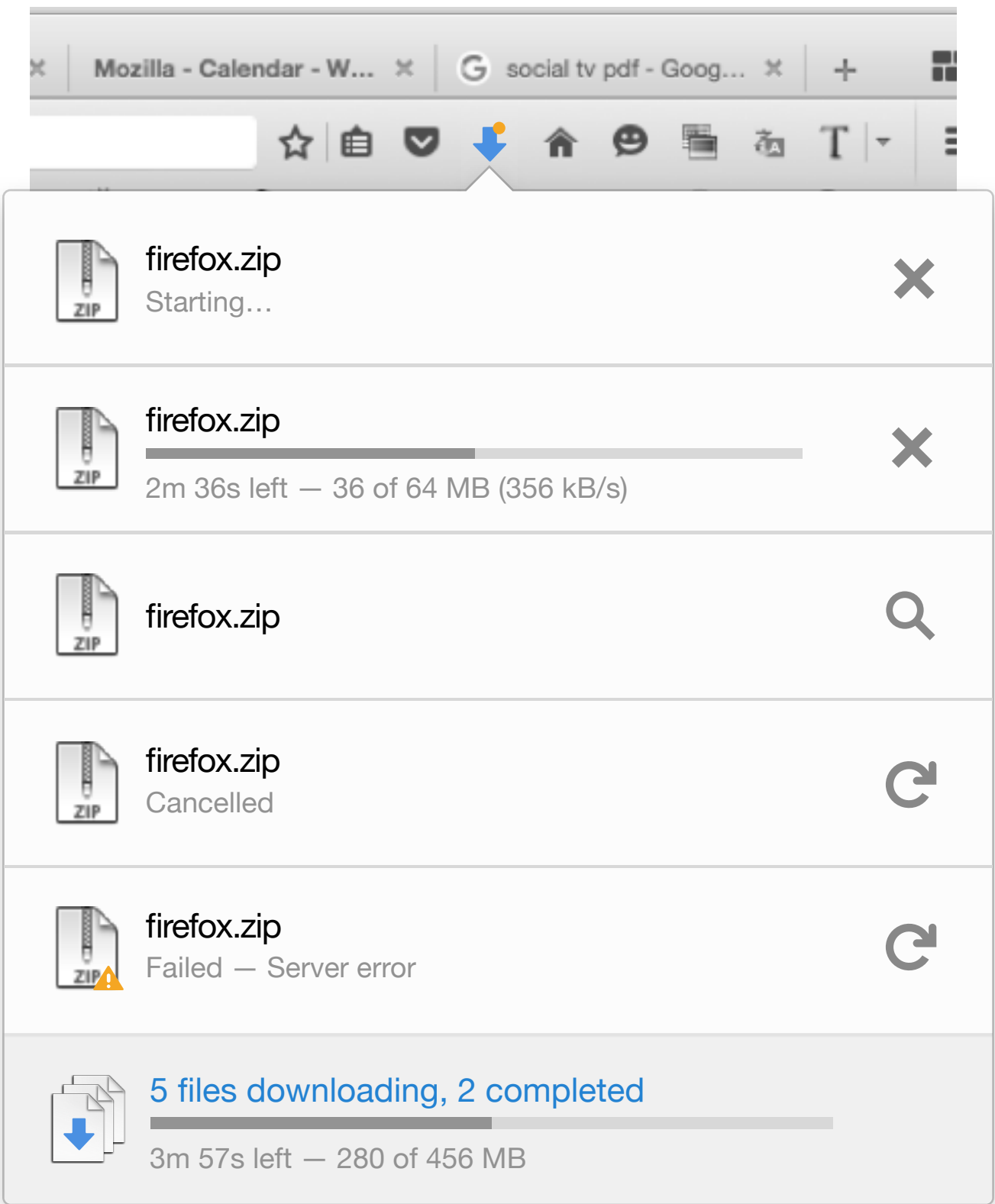
- 1. Show entire download panel
- 2. Hide if user click outside of the download panel

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

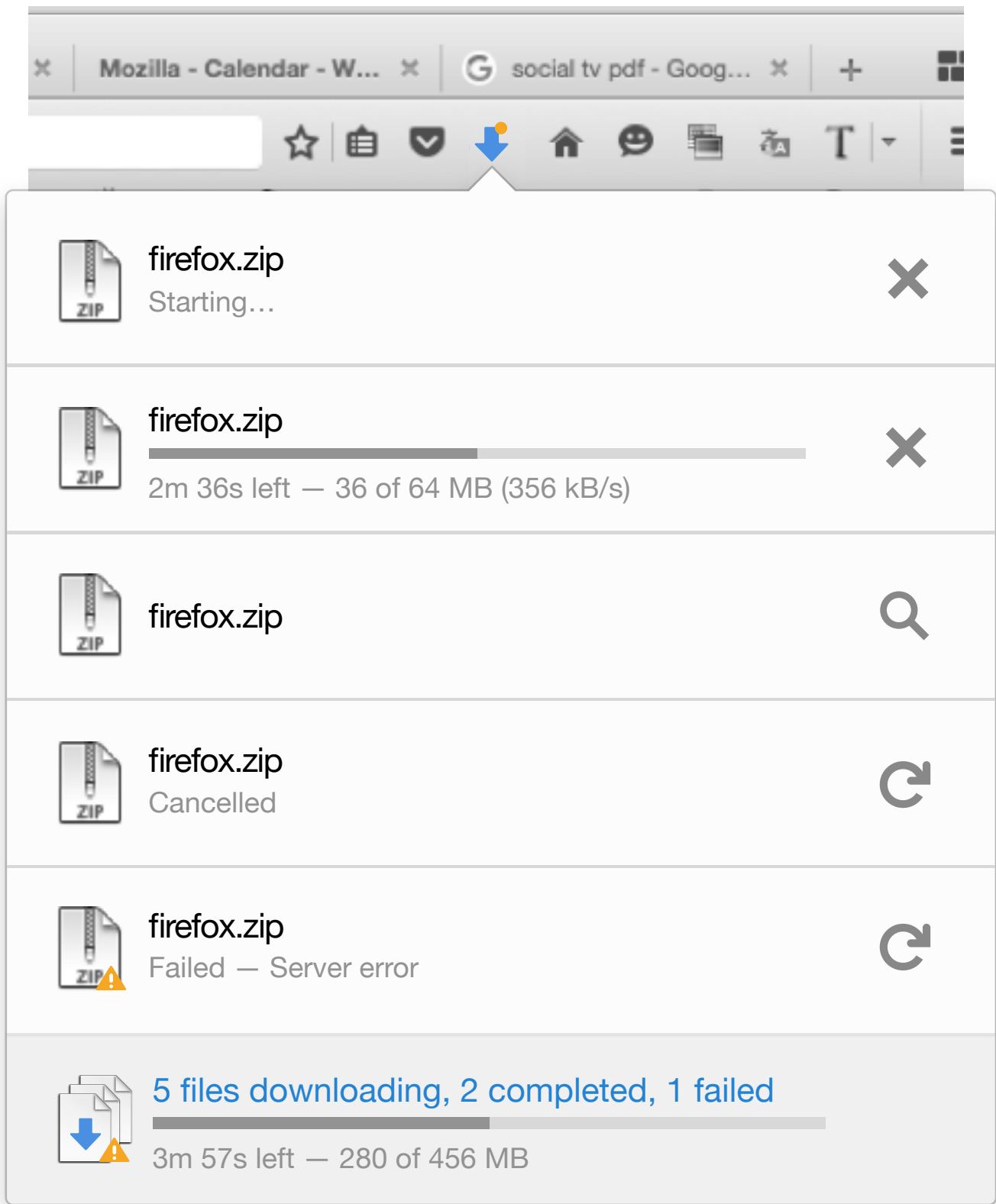


Download Multiple Files

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



Priority for Download Status

1. Downloading
2. Completed
3. Failed

⚠ Malware

⚠ Uncommon, Unwanted

Malware, Uncommon and Unwanted downloads display warning icons only.

When truncated, find example below:


2 files downloading, 2 completed, 1 failed...

When cursor hovers on, show more options


Show All Downloads



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



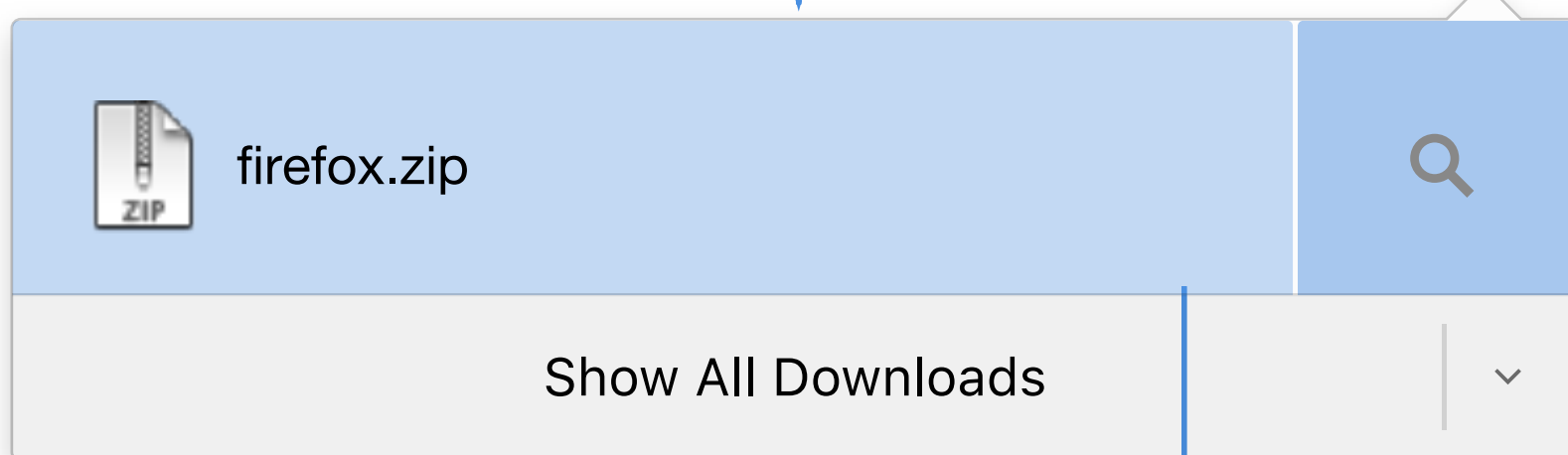
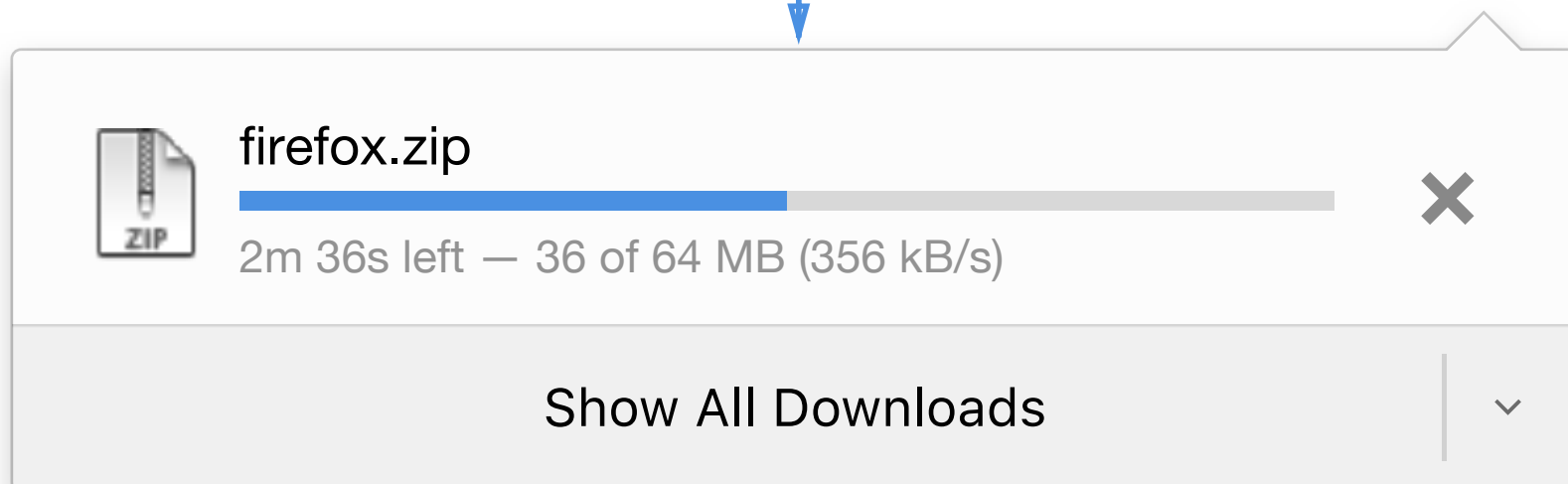
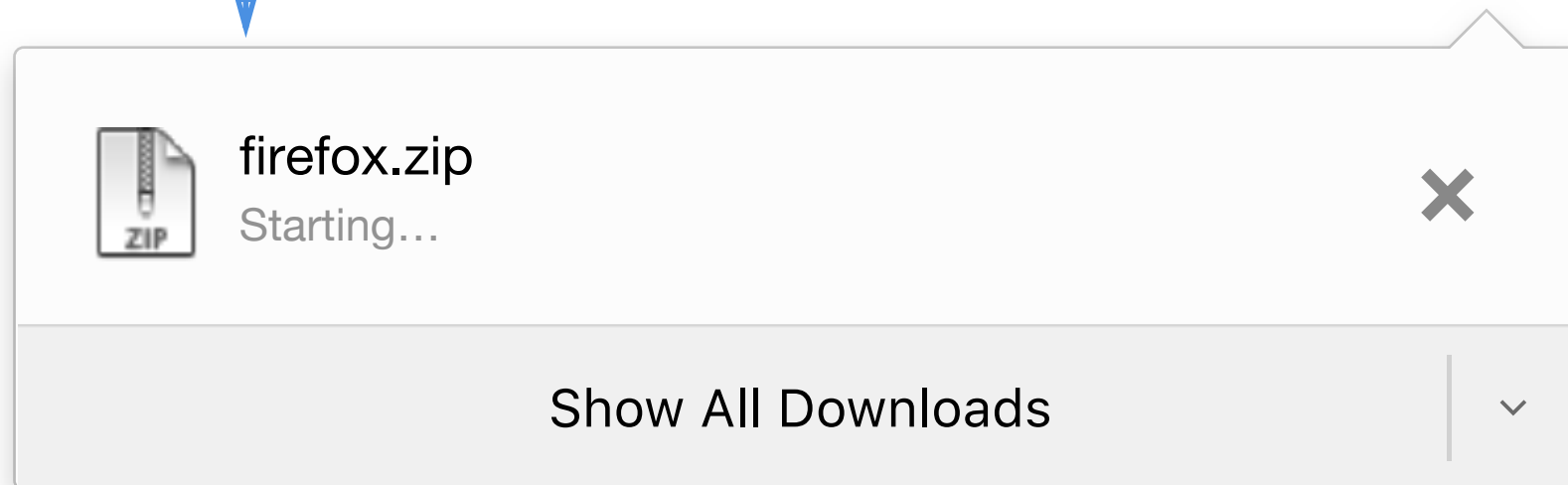
Download Status - Alert

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



Start Download & Complete

[Web link](#)



[View in Finder](#)

[Open file with default app](#)

Rules for ETA

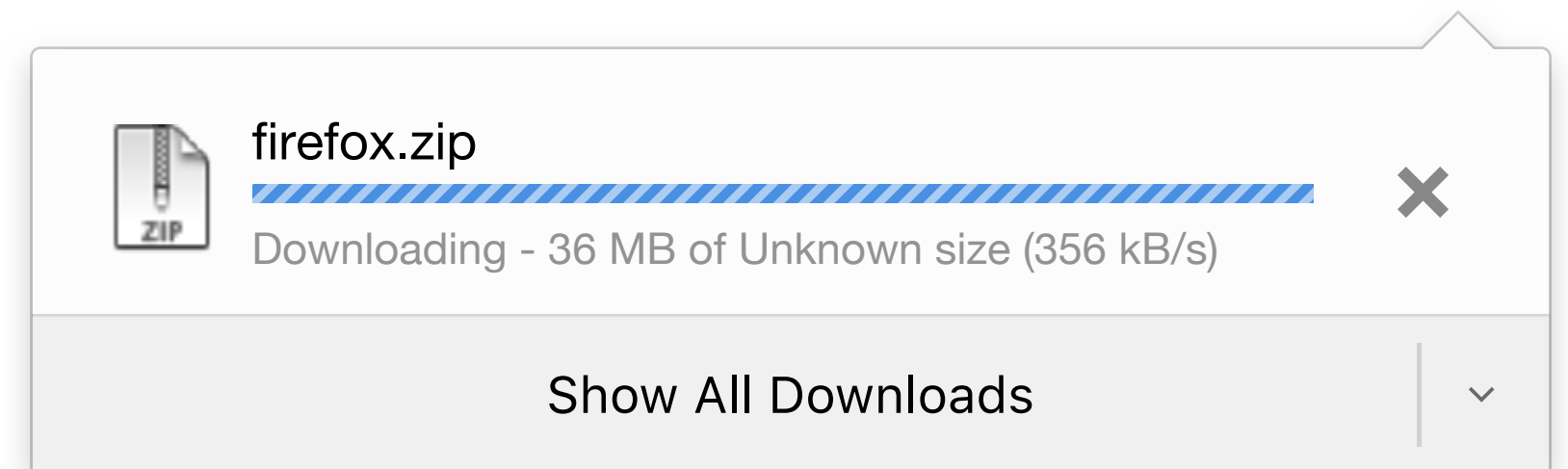
$4\text{ s} > \text{ETA}$, show **A few seconds remaining**

$4\text{ mins} > \text{ETA} > 4\text{ s}$, show **Xm Xs remaining**

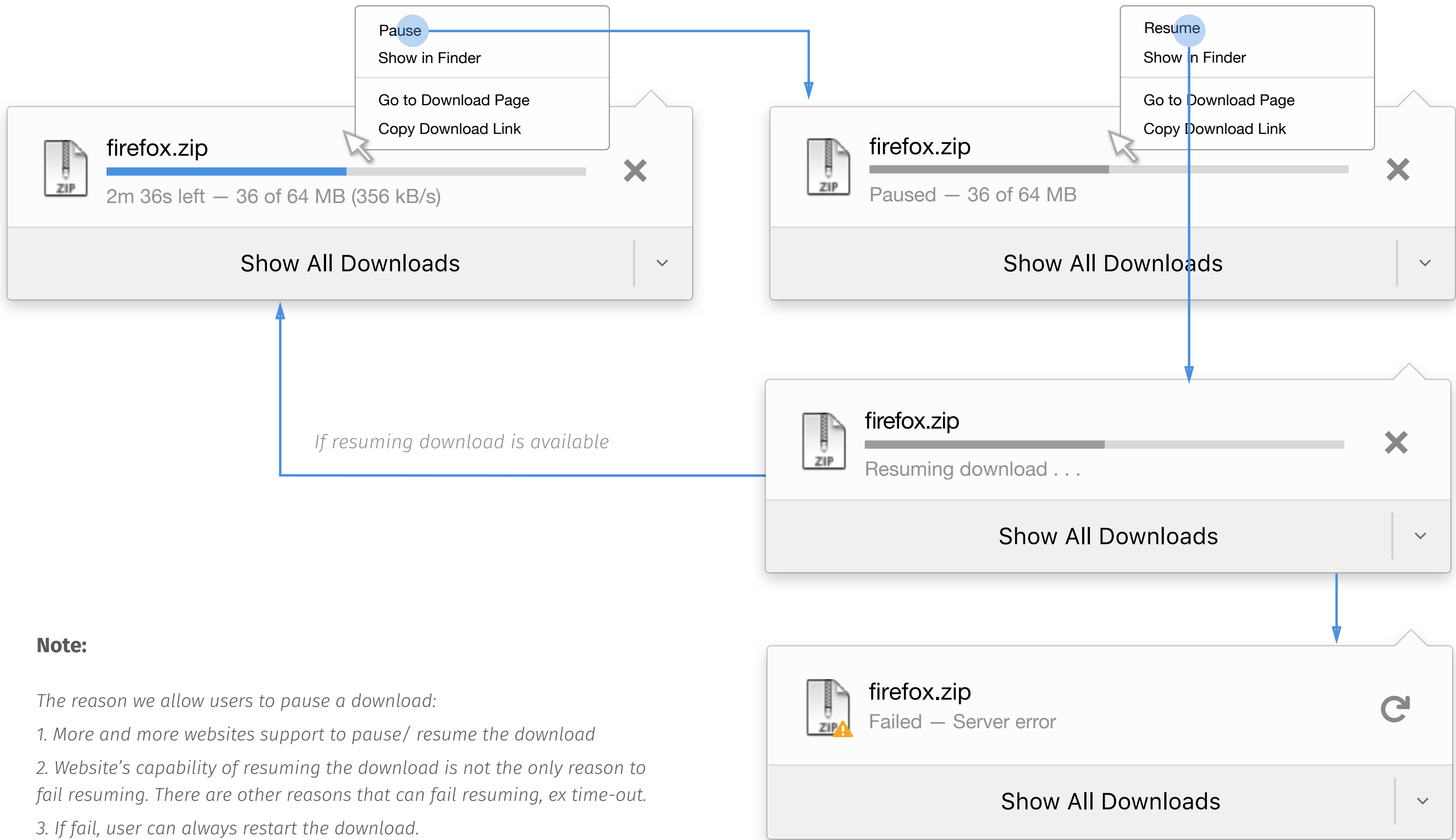
$60\text{ mins} > \text{ETA} > 4\text{ mins}$, show **Xm remaining**

$\text{ETA} > 60\text{ mins}$, show **Xh remaining**

Unknown Size:



Pause & Resume



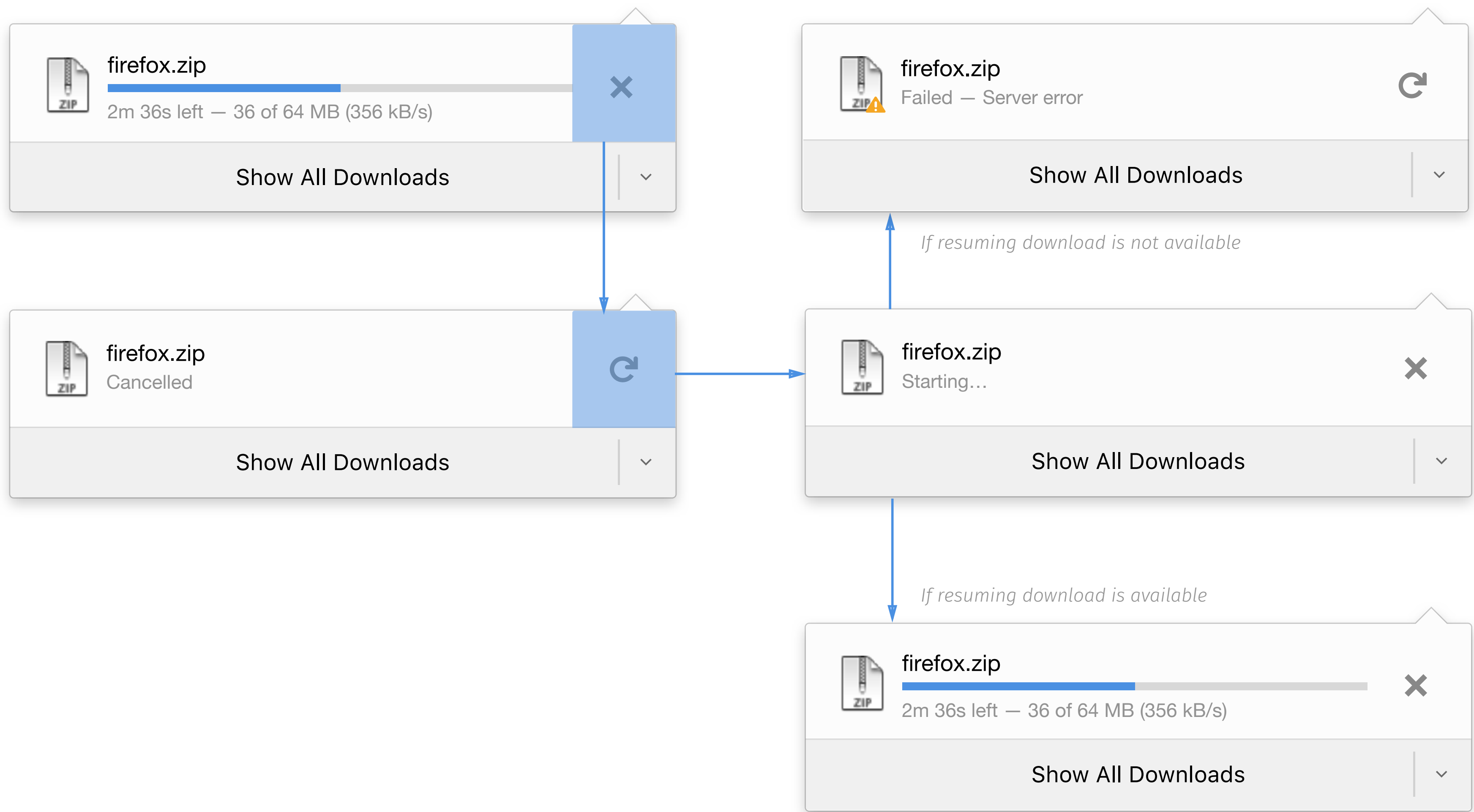
Note:

- 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.

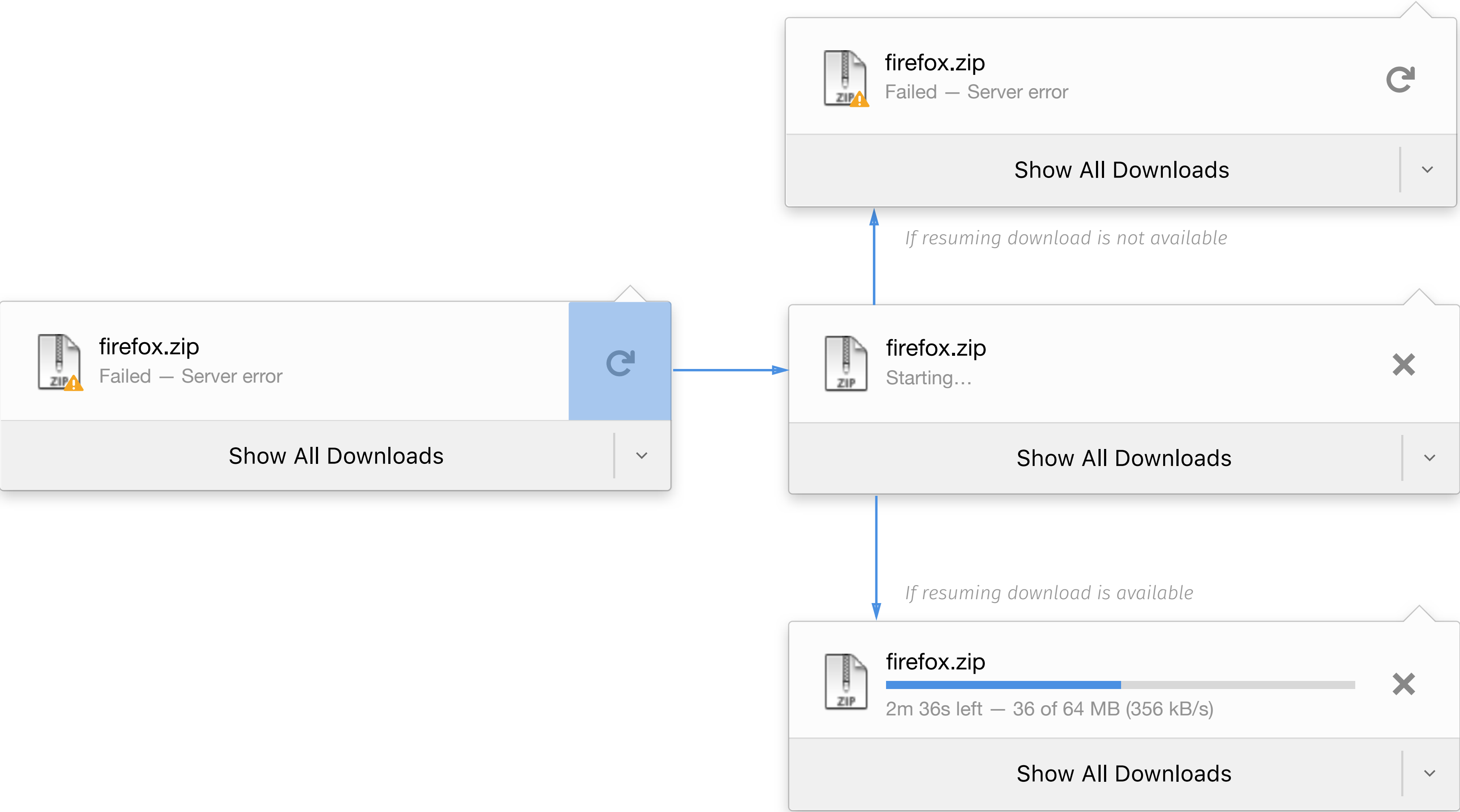
If resuming download is not available



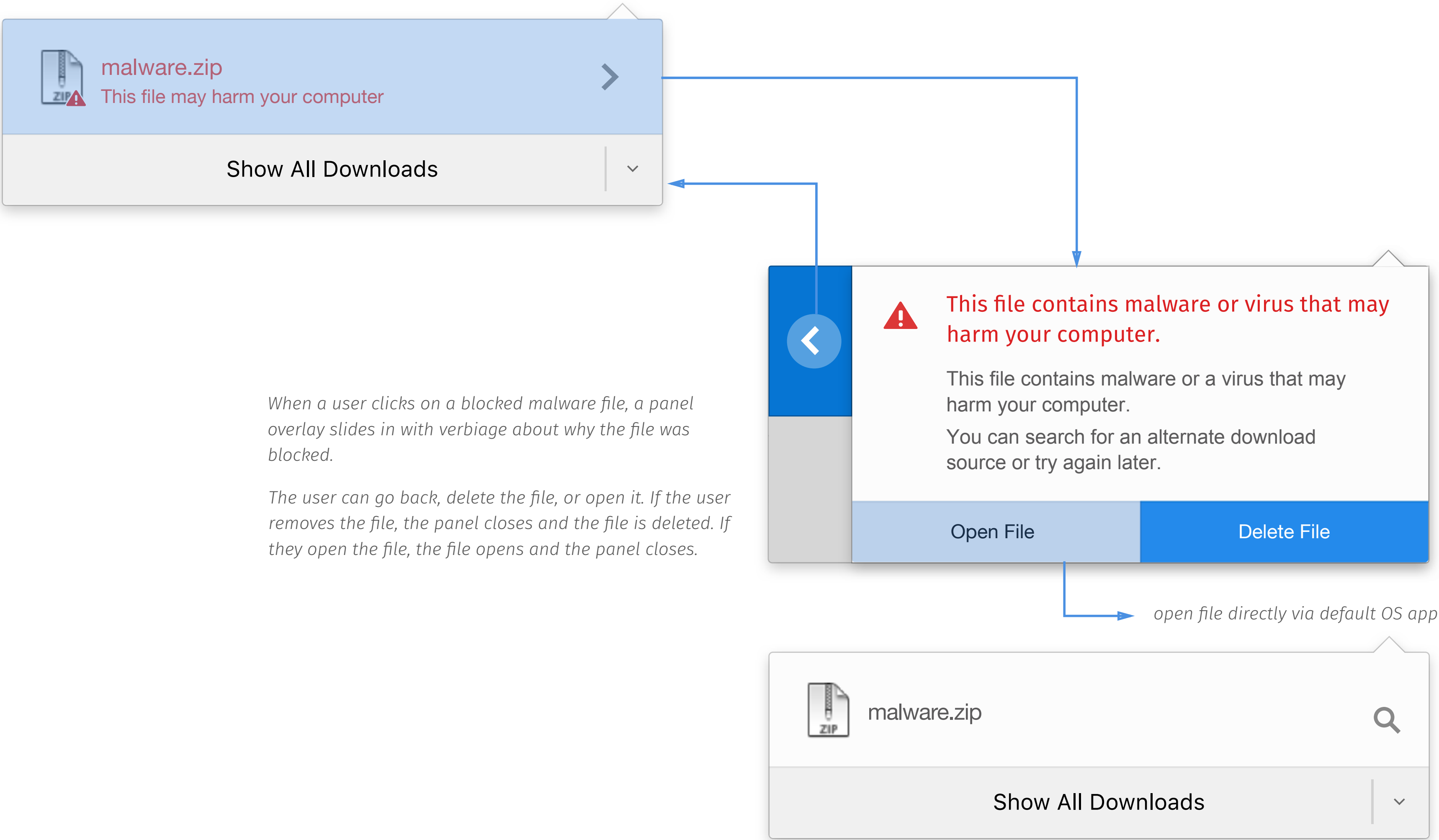
Cancel & Restart



Fail & Restart



Malware



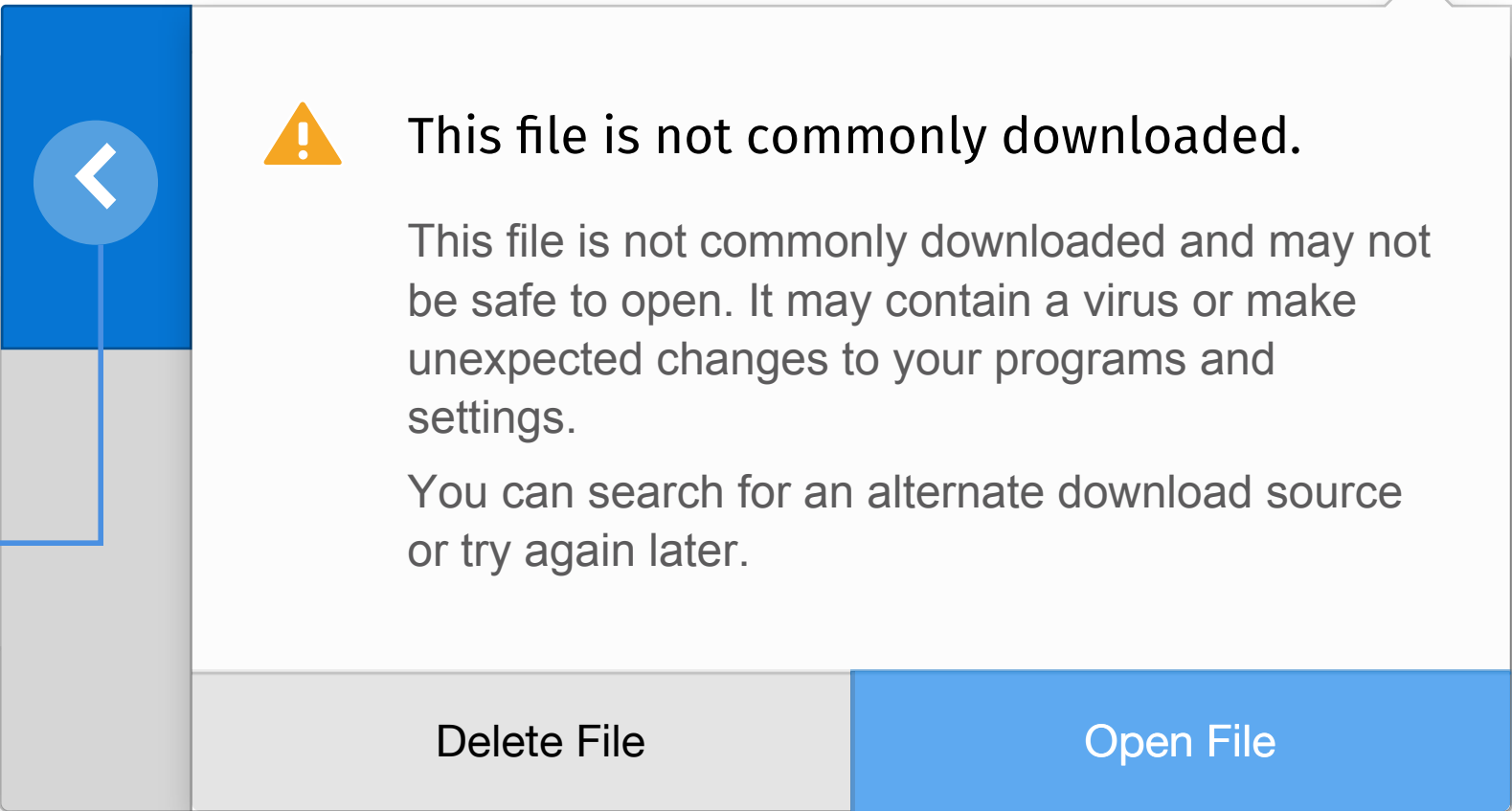
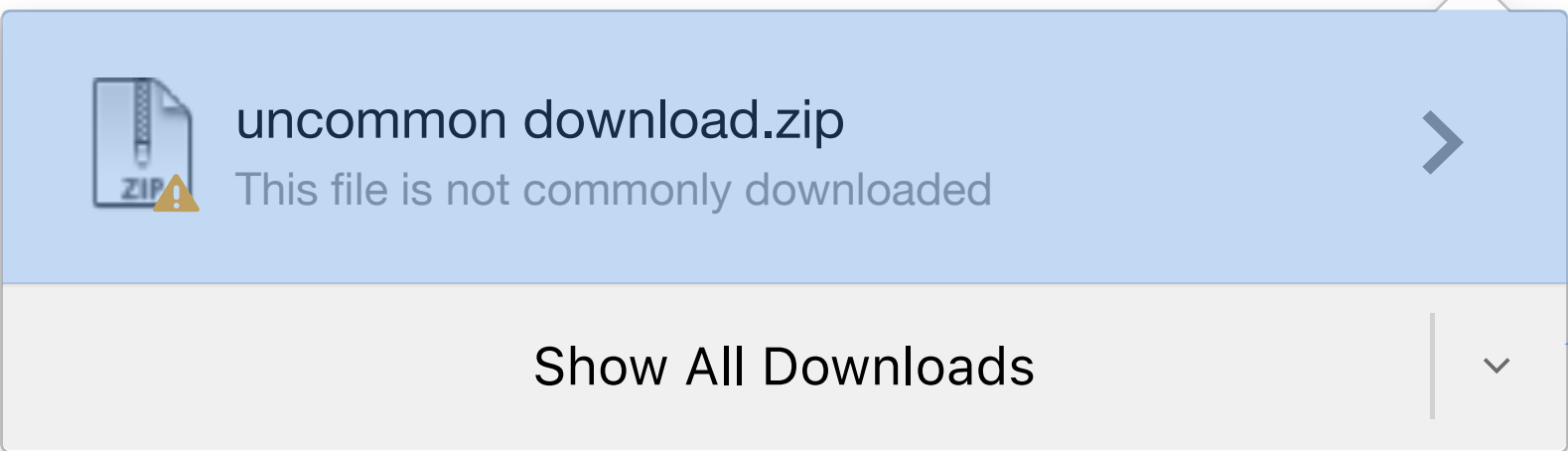
When a user clicks on a blocked malware file, a panel overlay slides in with verbiage about why the file was blocked.

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.

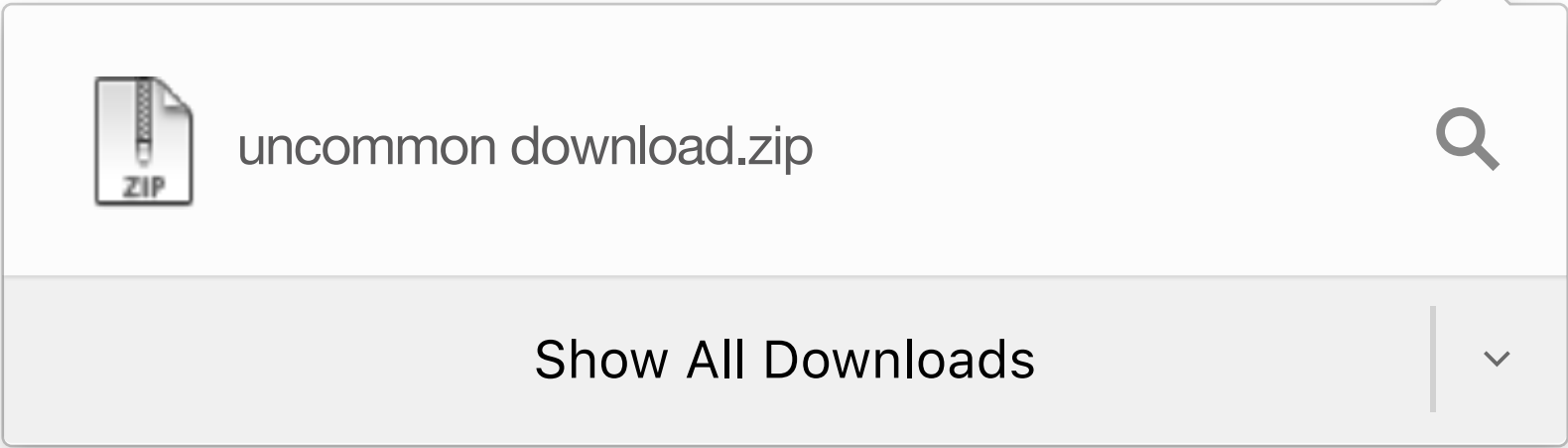
Next time when user opens the panel, the item will now displayed as a normal download.



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.

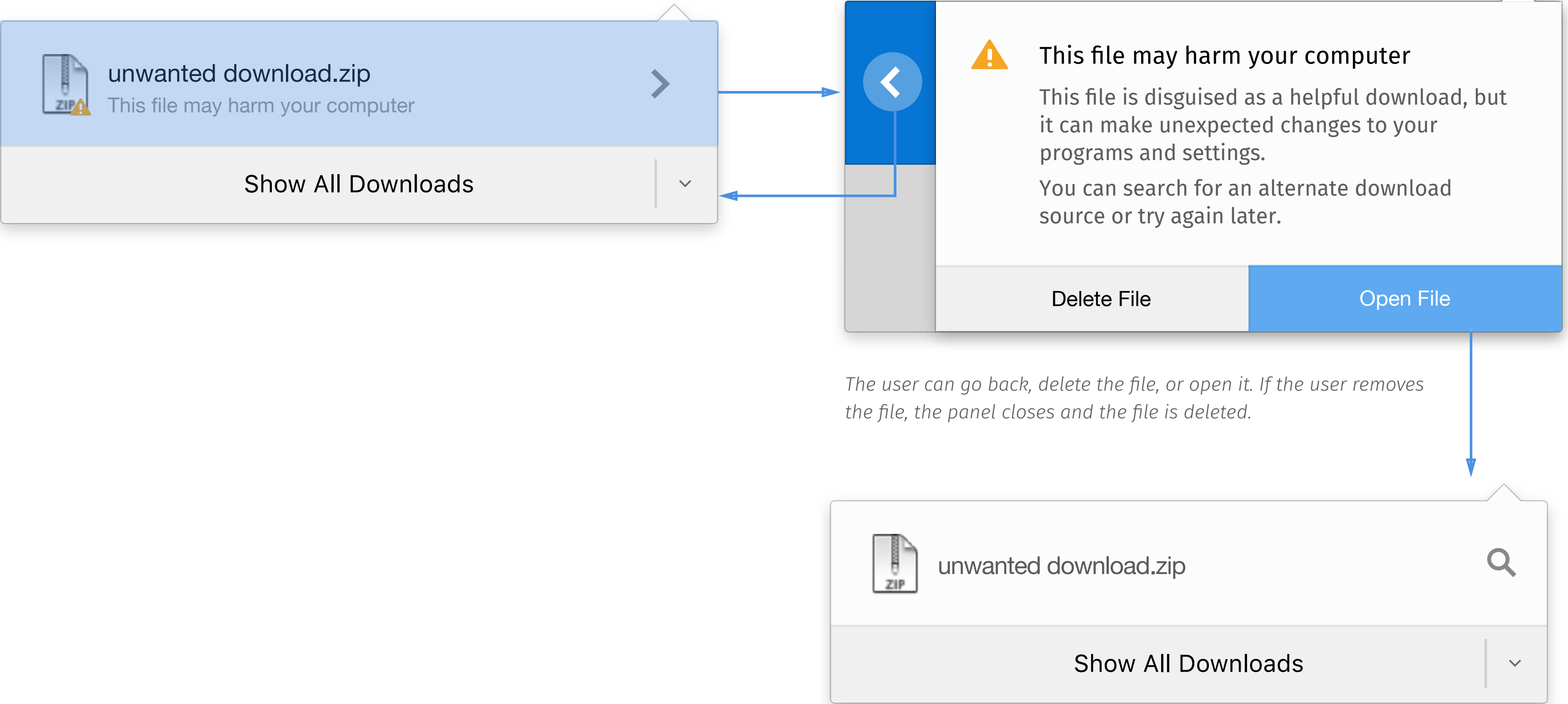
Note

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.



Unwanted download

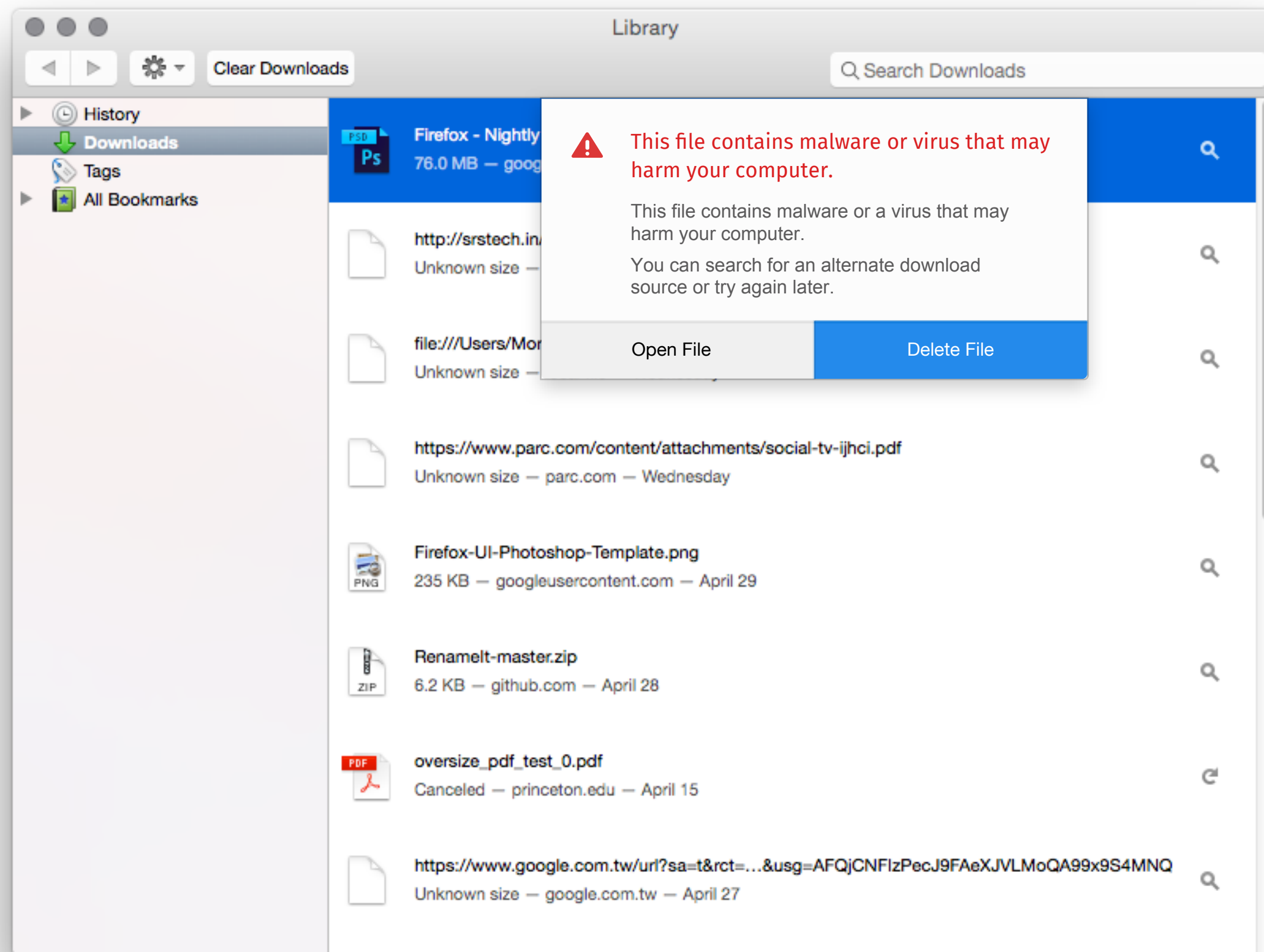


The user can go back, delete the file, or open it. If the user removes the file, the panel closes and the file is deleted.

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.



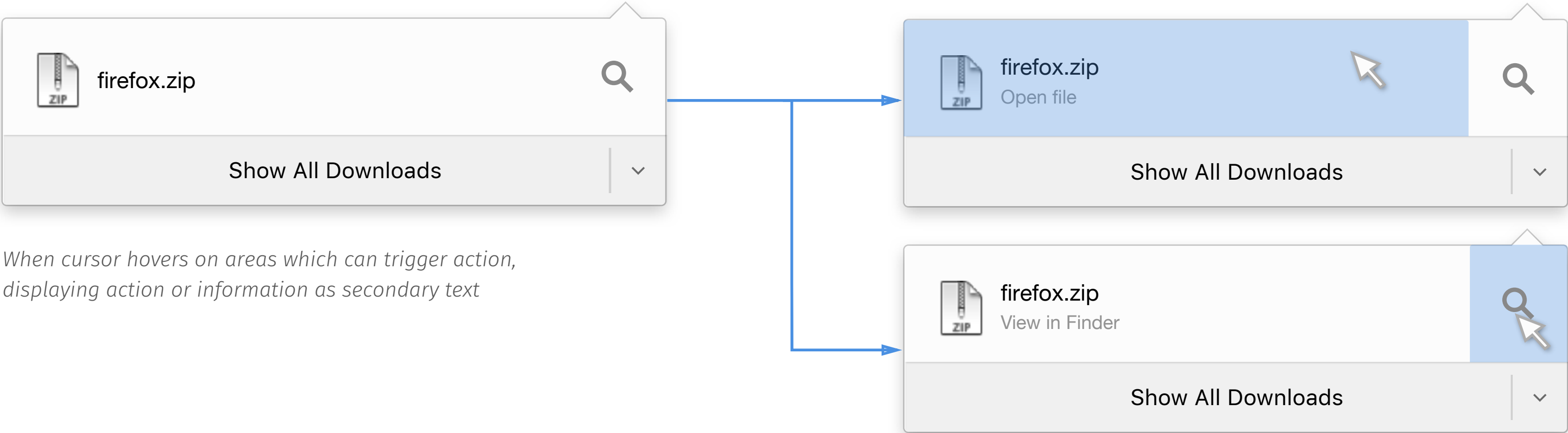
Modal pop-up in the Downloads Library



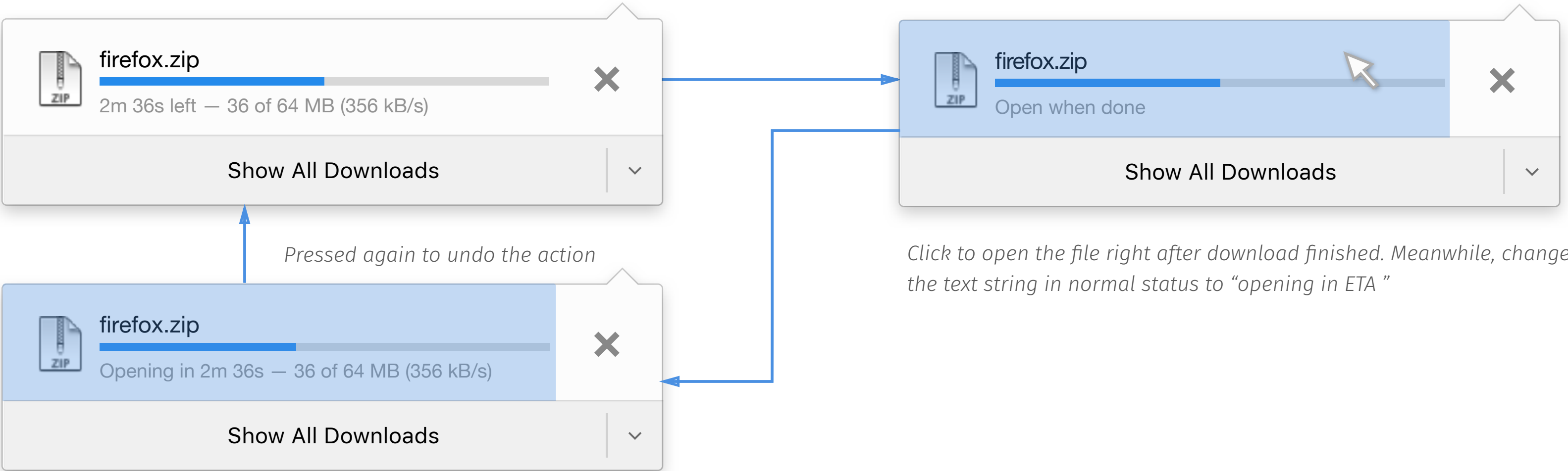
A modal pop-up is used in the Downloads Library instead of a slide-over.



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		>

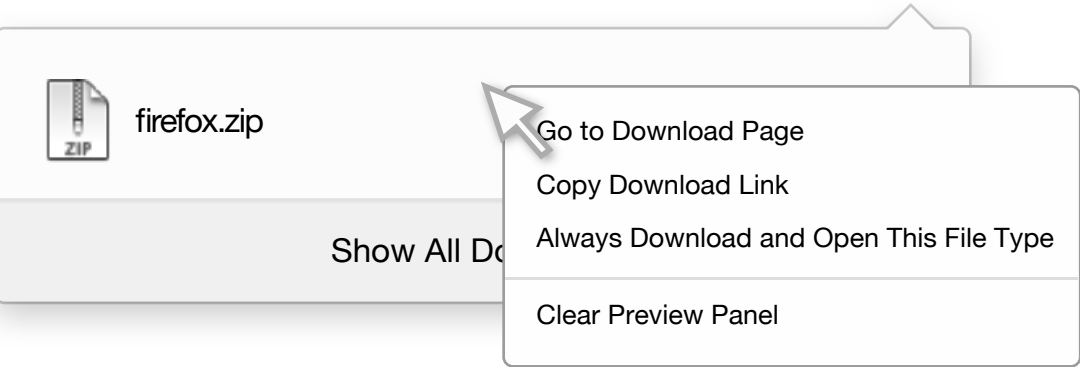
Hover on button

- Cancel download
- Cancel download
- Cancel download
- View in Finder
- Restart download
- Restart download
- Show more information
- Show more information
- Show more information



Right clicks on download thread

Context Menu



NOTE

“Always download and open this file type” only shows when the states are downloading files, files completed and download paused.

Common

Starting/Downloading

- Pause

View in Finder
- Go to Download Page

Copy Download Link

Always Download and Open This File Type

Completed

- Go to Download Page

Copy Download Link

Always Download and Open This File Type
- Clear Preview Panel

Cancelled

- Go to Download Page

Copy Download Link
- Clear Preview Panel

Paused

- Resume

View in Finder
- Go to Download Page

Copy Download Link

Always Download and Open This File Type

Deleted

- Go to Download Page

Copy Download Link
- Clear Preview Panel

Alert

Failed

- Go to Download Page

Copy Download Link
- Clear Preview Panel

Malware

- Unblock Download
- View in Finder
- Go to Download Page

Copy Download Link
- Clear Preview Panel

Uncommon download

- Unblock Download
- View in Finder
- Go to Download Page

Copy Download Link
- Clear Preview Panel

Unwanted download

- Unblock Download
- View in Finder
- Go to Download Page

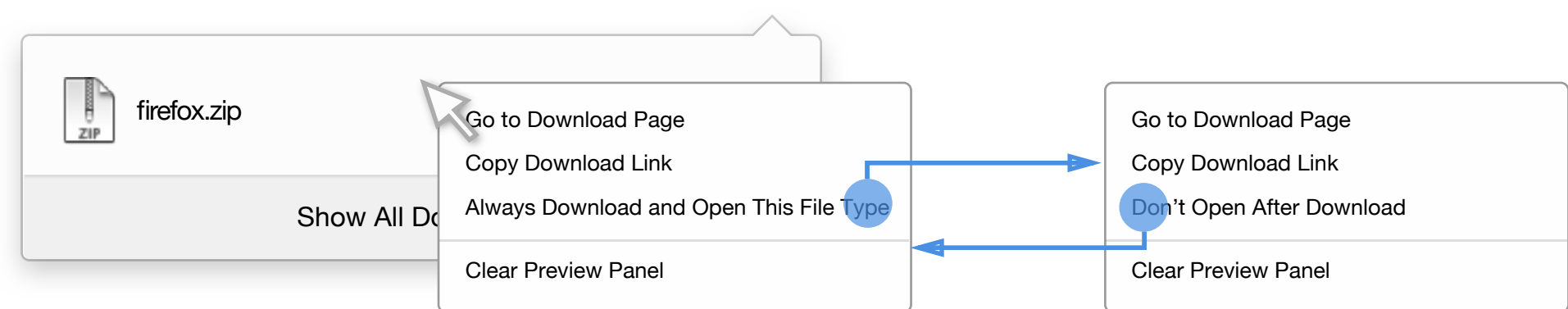
Copy Download Link
- Clear Preview Panel

NOTE

Mac OS - View in Finder
Windows -View in Library
Linux -View in Library



Always Download and Open This File Type

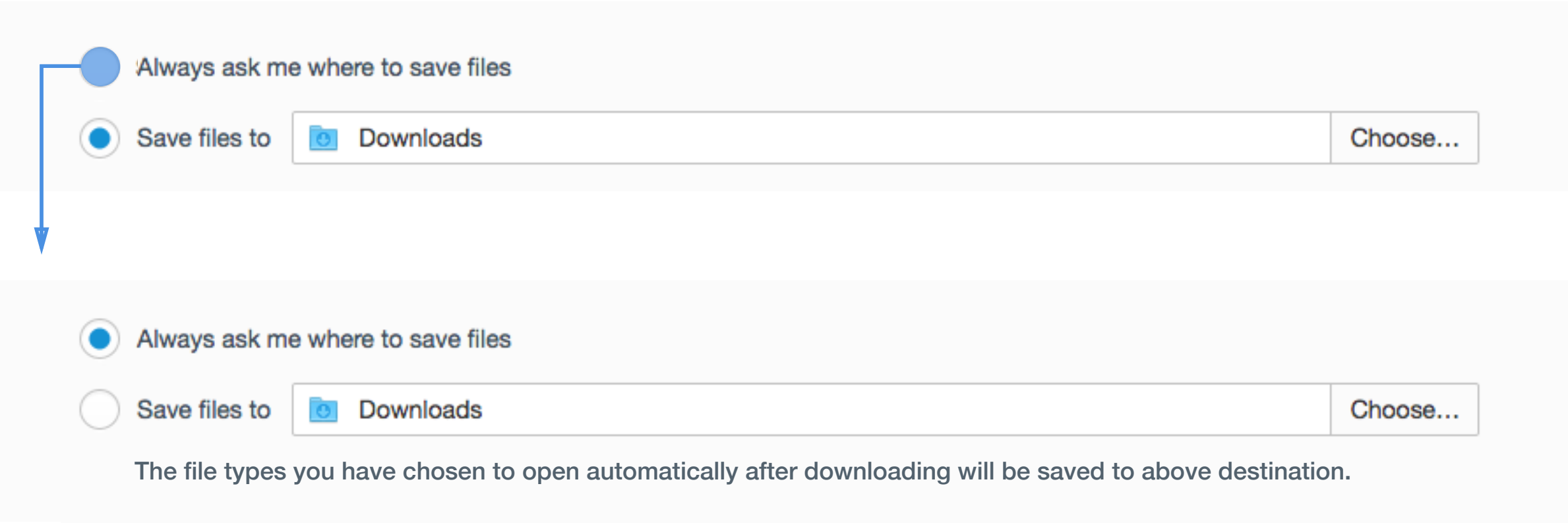


“Always Download and Open This File Type” can allow users to directly open a certain type of files after downloading to the default download folder. Users can switch the setting on context menu.

For users who has set a certain file type to be opened with a specific application in current Firefox, Firefox will migrant these settings to be always opened with default native application.

Preferences Change

When users have chosen any file type to be opened automatically after downloading, the section in Preferences > General > Downloads will change if users select “Always ask me where to save files”.




Duplicate Downloads

[Web link](#)

NOTE

Check download history if there is duplicate download and the file isn't missing or deleted.

Duplicate Downloads



firefox.zip

File type: zip (1.4MB)

Source: www.firefox.com


firefox.zip already exists. What should Firefox do with this file?

Show in Finder

Cancel

OK

Duplicate Downloads



firefox.zip

File type: zip (1.4MB)

Source: www.firefox.com

firefox.zip already exists. What should Firefox do with this file?

Show in Finder

Show in Finder

Save anyway

Rename the original file name as `firefox(1).zip` and download the file

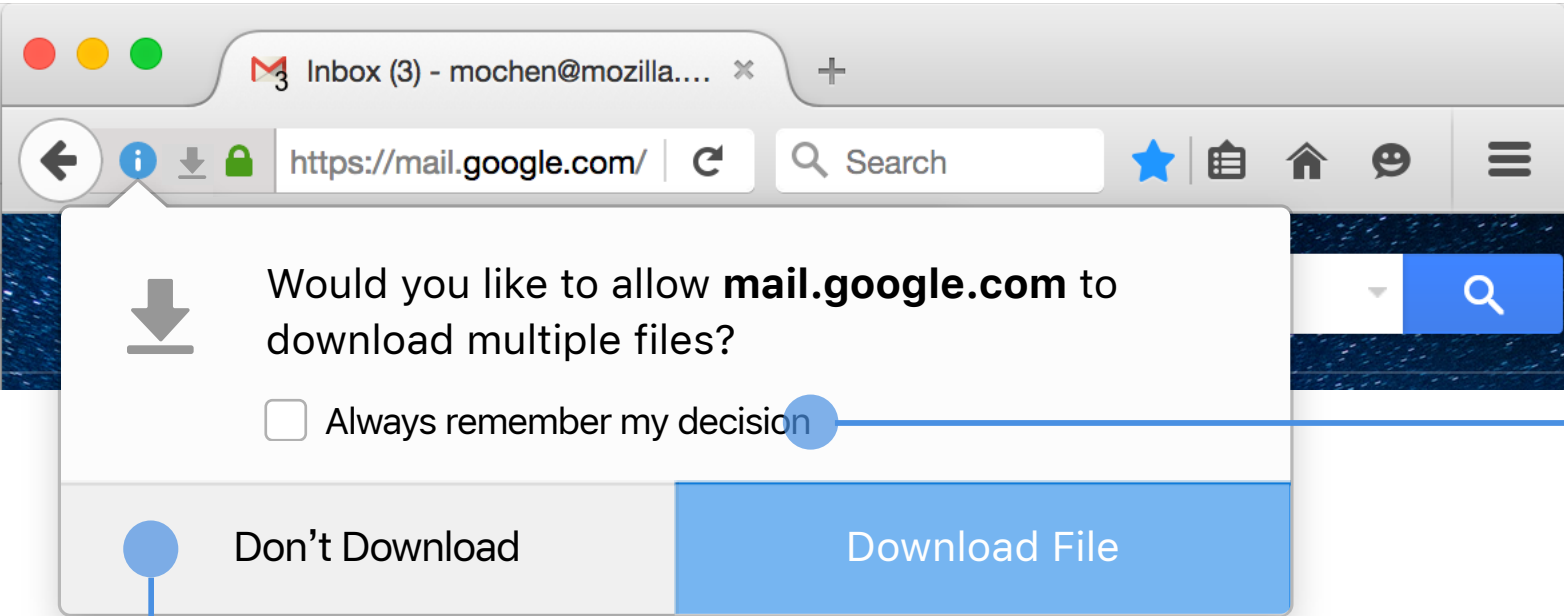
Open the folder and selected the target file

Cancel download

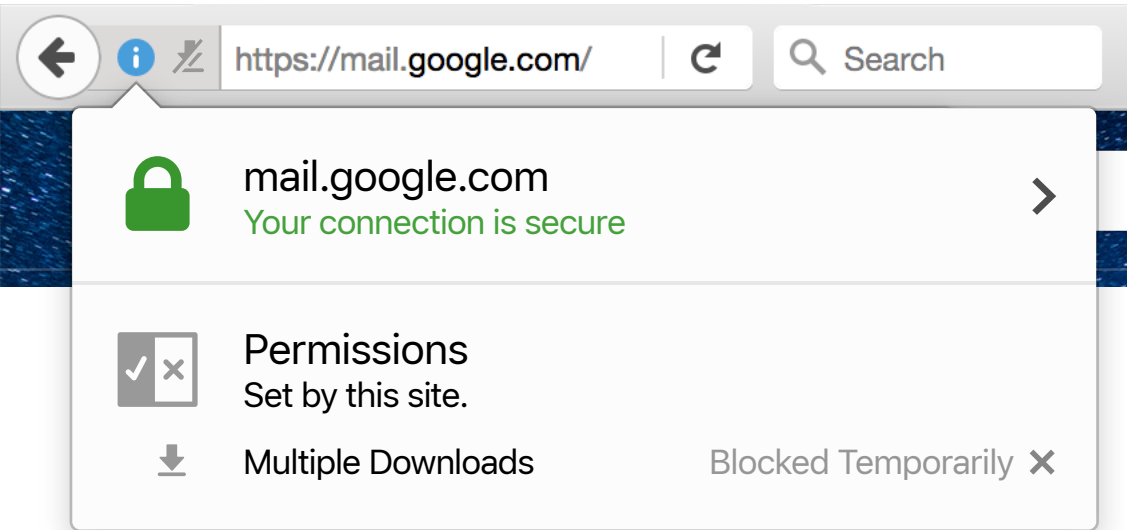


Protection for Multiple Automatic Downloads

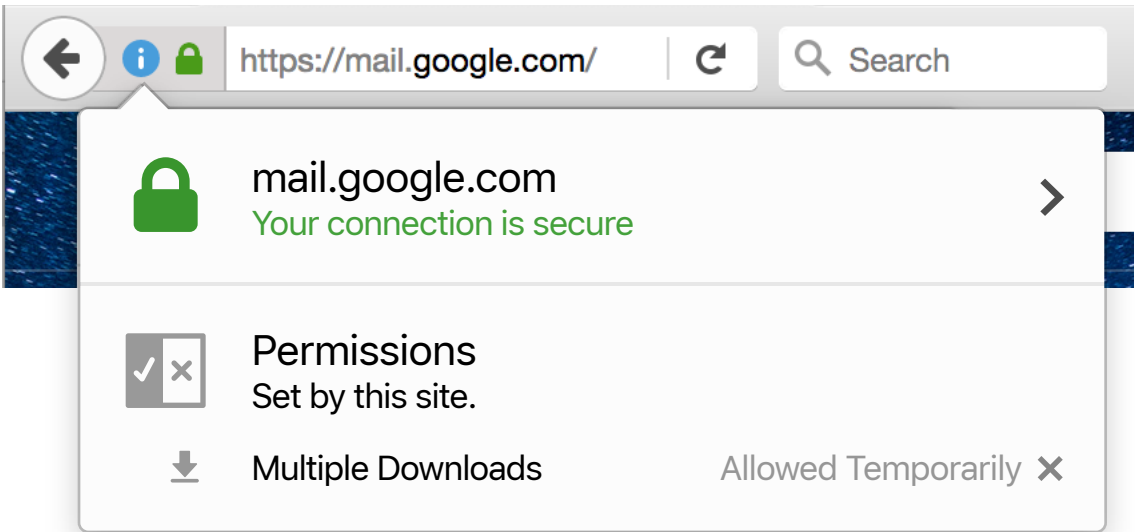
Click web link or Initiated by web



Blocked Temporarily

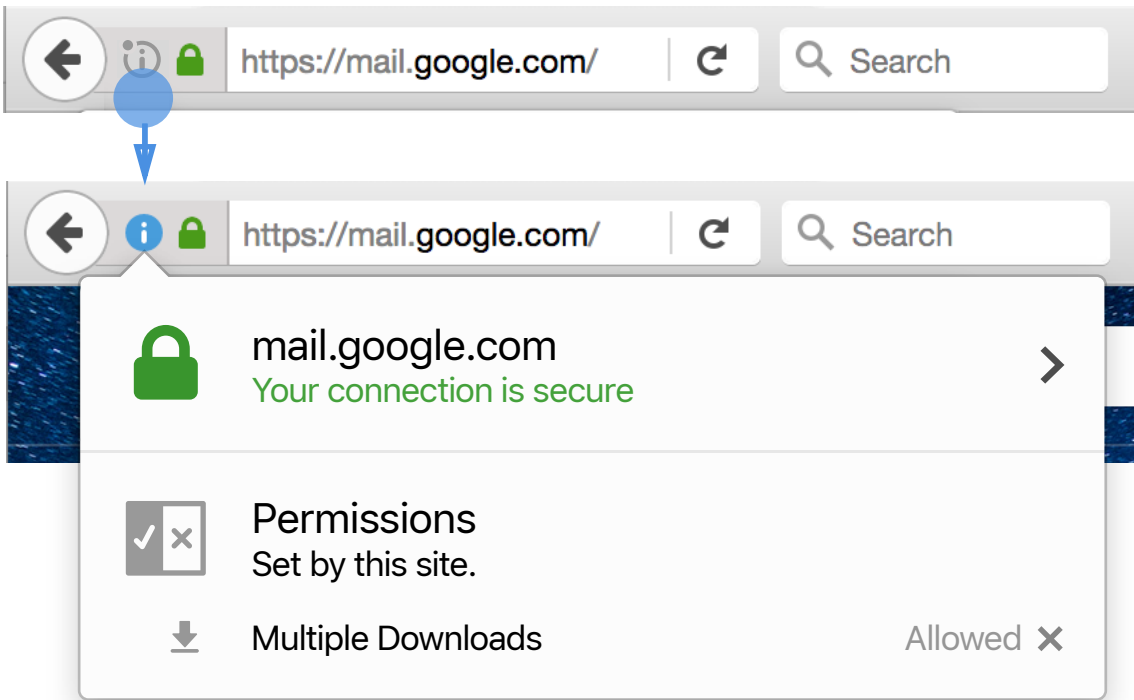


Allowed Temporarily

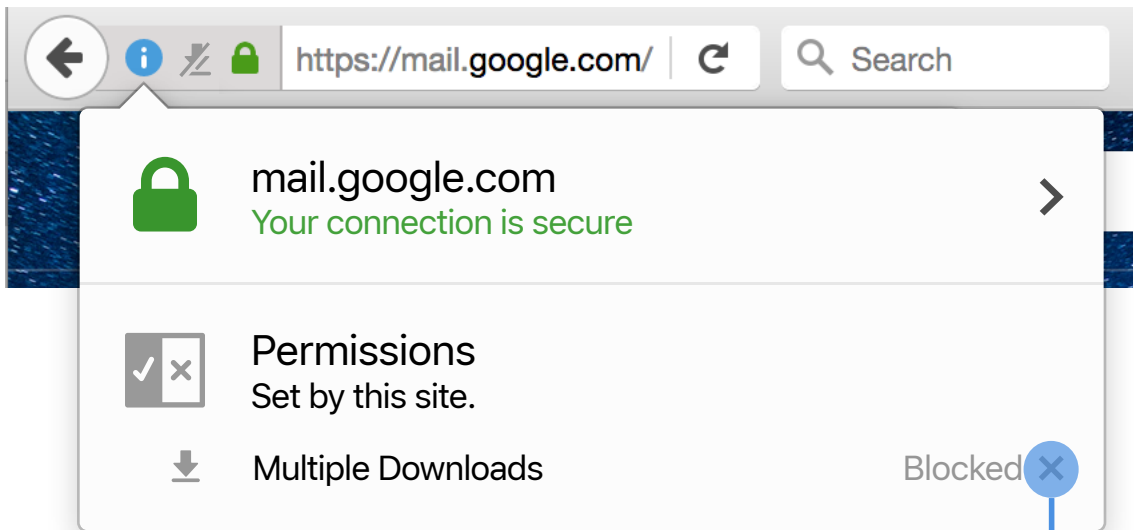


Always Allow

A dot appears on (i) to indicate an approved permission whenever users visit the site.



Never Allow



Reset Decision

Users can use (x) button to reset the previous decision on all states and it will ask again next time users visit the site.

