Download Panel & Content Handler

Mozilla Firefox

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IV Content Handler

Current Flow Redesigned Flow Handling Options Handlers in Preferences File Handler File Registration Remove File Handler Protocol Handler Protocol Handler Registration Open Default Protocol Open Non-Default Protocol Remove Protocol Handler

Release Notes

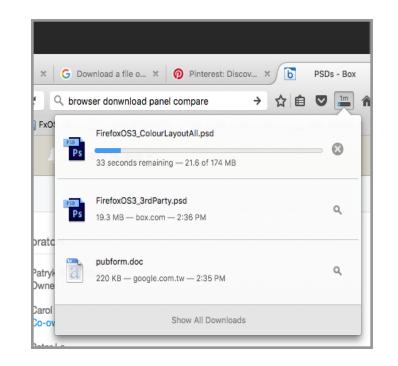
V 0.1	APR 08, 2016	Morpheus Chen	Create draft for dow
	APR 10, 2016	Morpheus, Bryant Mao	Create download flo
	APR 13, 2016	Morpheus, Bryant	Create hover flow an
V 0.2	APR 16, 2016	Morpheus, Bryant	Update hover flow a
	APR 20, 2016	Morpheus, Bryant	Add flow for content
	APR 26, 2016	Morpheus, Bryant	Update flow for hove
V 0.3	APR 28, 2016	Morpheus, Bryant	Update grouped not
	APR 30, 2016	Stephen Horlander, Morpheus, Bryant	Blend in Stephen's p
V 0.4	MAY 06, 2016	Sevaan Franks, Morpheus, Bryant	Include all detailed
V 0.8	MAY 13, 2016	Morpheus, Bryant	Update badge desig
V 0.9	MAY 16, 2016	Morpheus, Bryant	Update handler loca
V 1.0	MAY 25, 2016	Morpheus, Bryant	Add flow of removin

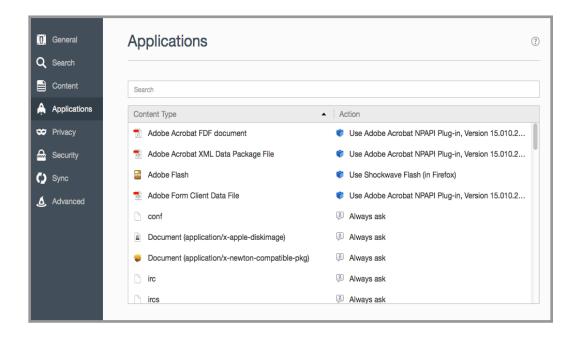
- wnload panel & content handler
- ow chart
- and download icon on toolbar flow
- and add malware, uncommon and unwated
- nt handler

Add project briefing

- ver state and content handler
- otifications, clear list, and hover state.
- previous proposals about download panel
- spec from Sevaan about malware
- gn, right click and content handler
- cations and split to file and protocol handlers
- ng file/protocol type from handler
- Add flow of opening default/non-default protocol link
- Update current/redesigned content handling flow chart

OVERVIEW



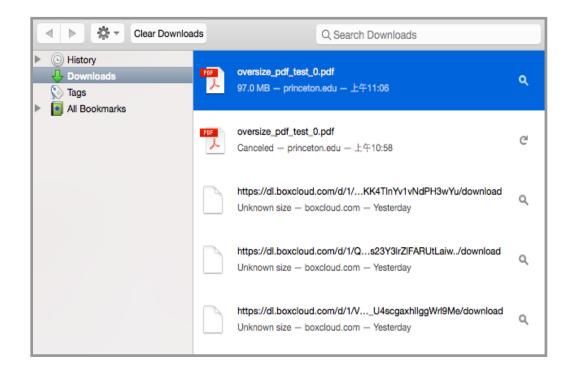


Download panel

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

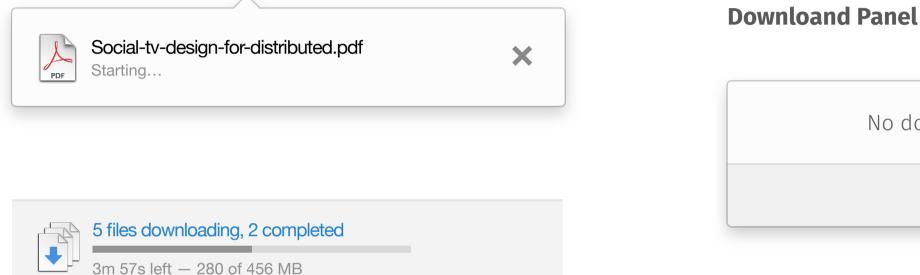
PROTOCOL

- 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

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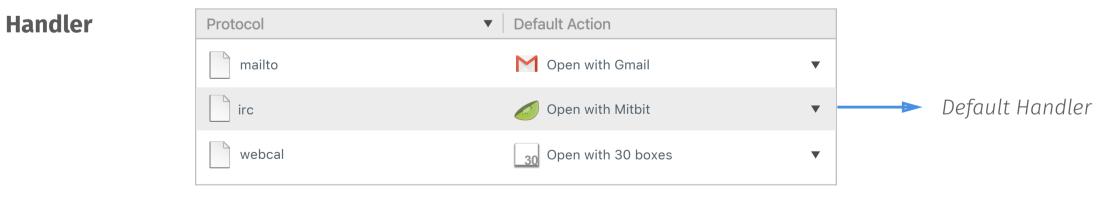
Term Specification

Notification



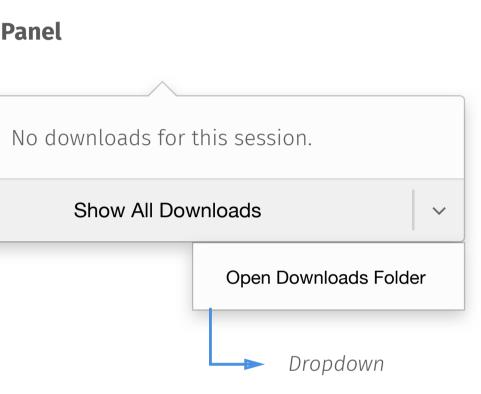
Download Summary





Notification Bar

Set Gmail (https://mail.google.com/) as default application to open all email links?



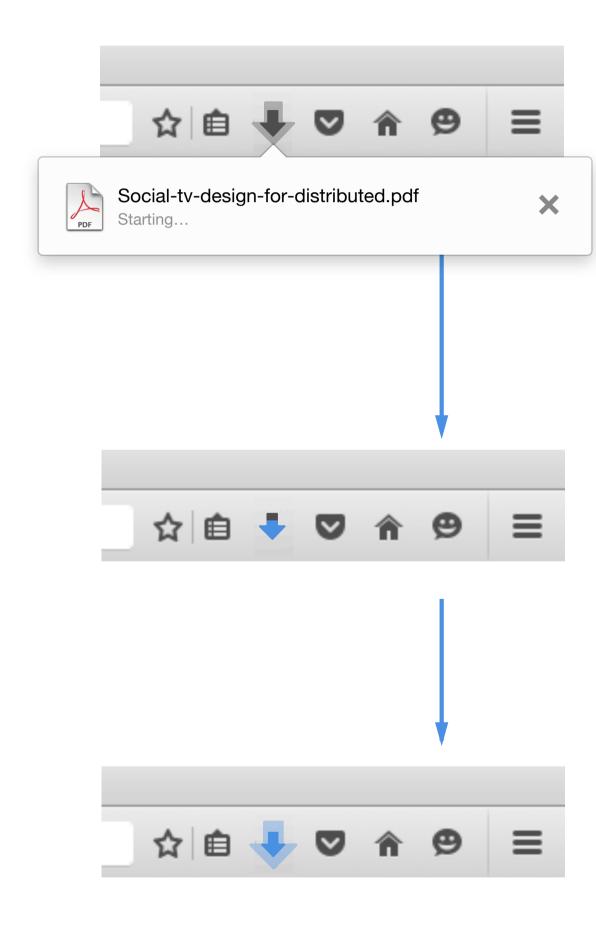


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DOWNLOAD PANEL

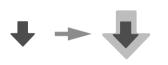


Download Flow on Toolbar



Start Download

 Pop out download notification immediately
 Hide the download notification after 5 seconds



Transition for download start

Downloading

1. While downloading, show progress bar on download icon

2. Multiple files downloading, show overall progress



Download Complete

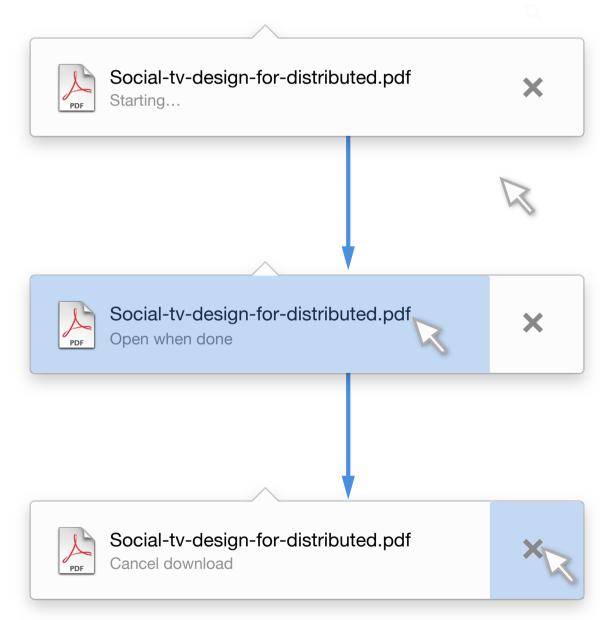
Once there is a download completed, show expanding/flashing transition to notify the user, and keep the progress bar running if there are more downloadings



Transition for download complete

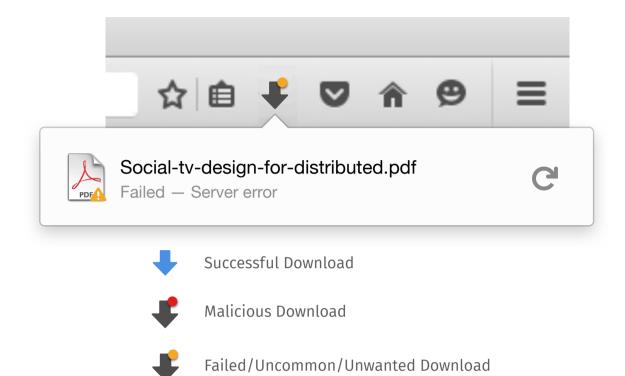
Hover for Actions

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





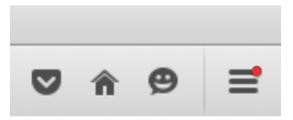
Download Alert as Badges



Alert: Failed/ Malware/ Unwanted/ Uncommon

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

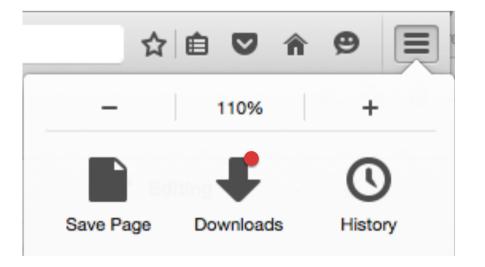
- 1. Pop out download notification immediately
- 2. Hide the download notification after 5 seconds
- 3. The alert badge will disappear when user click on it to find more detail
- 4. Whenever an alert, show alert badge



Download icon in the Menu Panel

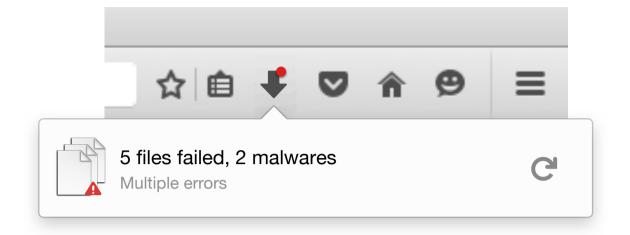
If the download icon has been moved to the menu panel the badges appear on the menu icon.

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.



Grouped Alert

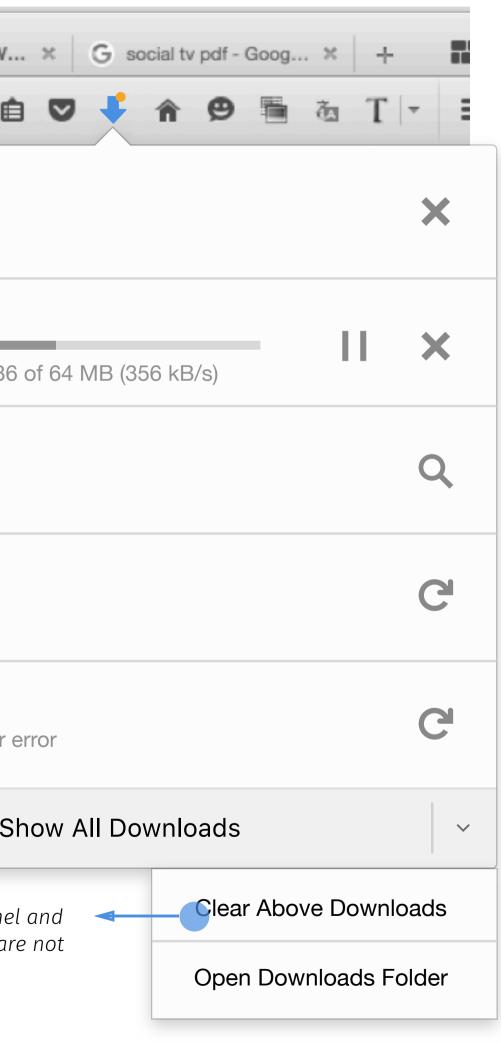
When an alert notification hasn't been dismissed and there is more downloads which need to display alert states, the alert notificaitons will be grouped.



Download Icon on Toolbar

Mozilla - Calendar - W X G social tv pdf - Goog X -	X Mozilla - Calendar - W
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No downloads for this session.	firefox.zip Starting
Show All Downloads	firefox.zip
Open download folder which is < Open Downloads Folder defined in Firefox from OS	2m 36s left — 36
	firefox.zip
Click Download Icon	firefox.zip Cancelled
	_
1. Show entire download panel 2. Hide if user click outside of the download panel	firefox.zip Failed – Server
Max numbers of download items displayed at the same time: 5	S

Clear above items from panel and history (items in summary are not included)





Download Multiple Files

Multiple Files Downloading

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firefox.zip Starting	×
firefox.zip 2m 36s left — 36 of 64 MB (356 kB/s)	×
firefox.zip	Q
firefox.zip Cancelled	G
firefox.zip Failed — Server error	G
5 files downloading, 2 completed 3m 57s left – 280 of 456 MB	
When cursor hovers on, show mo	re options

Multiple Files Downloading and failed

× Mozilla - Calendar - W × G soc ☆ 自 ♥ ↓
firefox.zip Starting
firefox.zip 2m 36s left — 36 of 64 MB (35
firefox.zip
firefox.zip Cancelled
firefox.zip Failed — Server error
5 files downloading, 2 con 3m 57s left – 280 of 456 MB

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1. Only appear when the downloading items are not on the expanded download panel

2. Hide if user click outside of the download panel







Download Status - Common

firefox.zip Starting	×
firefox.zip 2m 36s left — 36 of 64 MB (356 kB/s)	×
firefox.zip	Q
Firefox.zip Paused — 36 of 64 MB	×
firefox.zip Cancelled	G
Show All Downloads	~



Downloading

Download completed

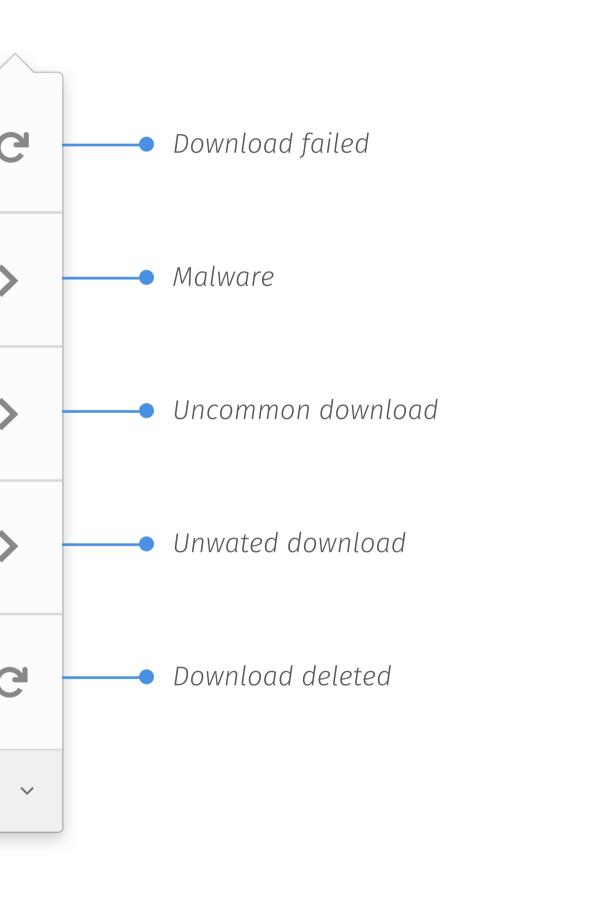
Download paused

Download cancelled



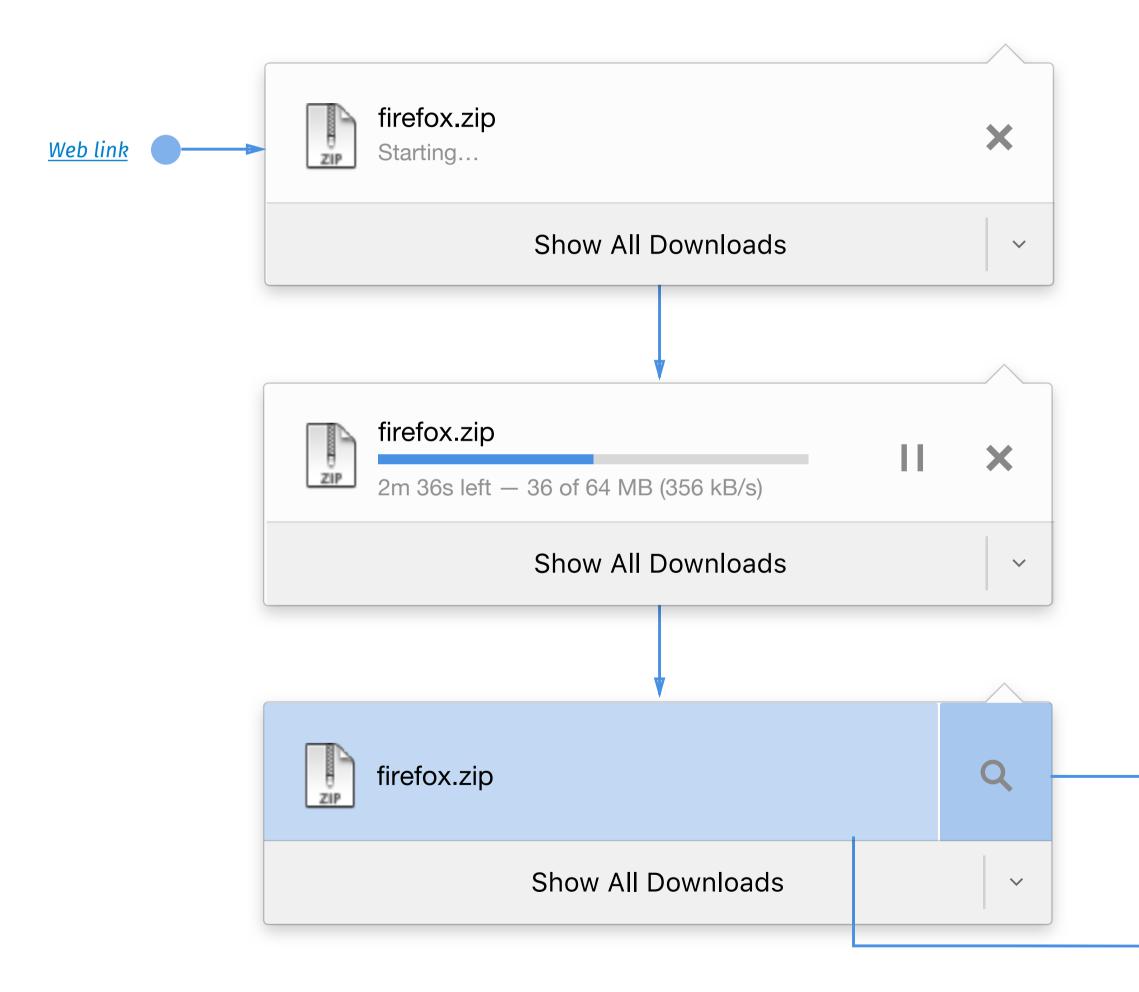
Download Status- Alert

firefox.zip Failed — Server error	G
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	>
File moved or missing	G
Show All Downloads	~





Start Download & Complete



Rules for ETA

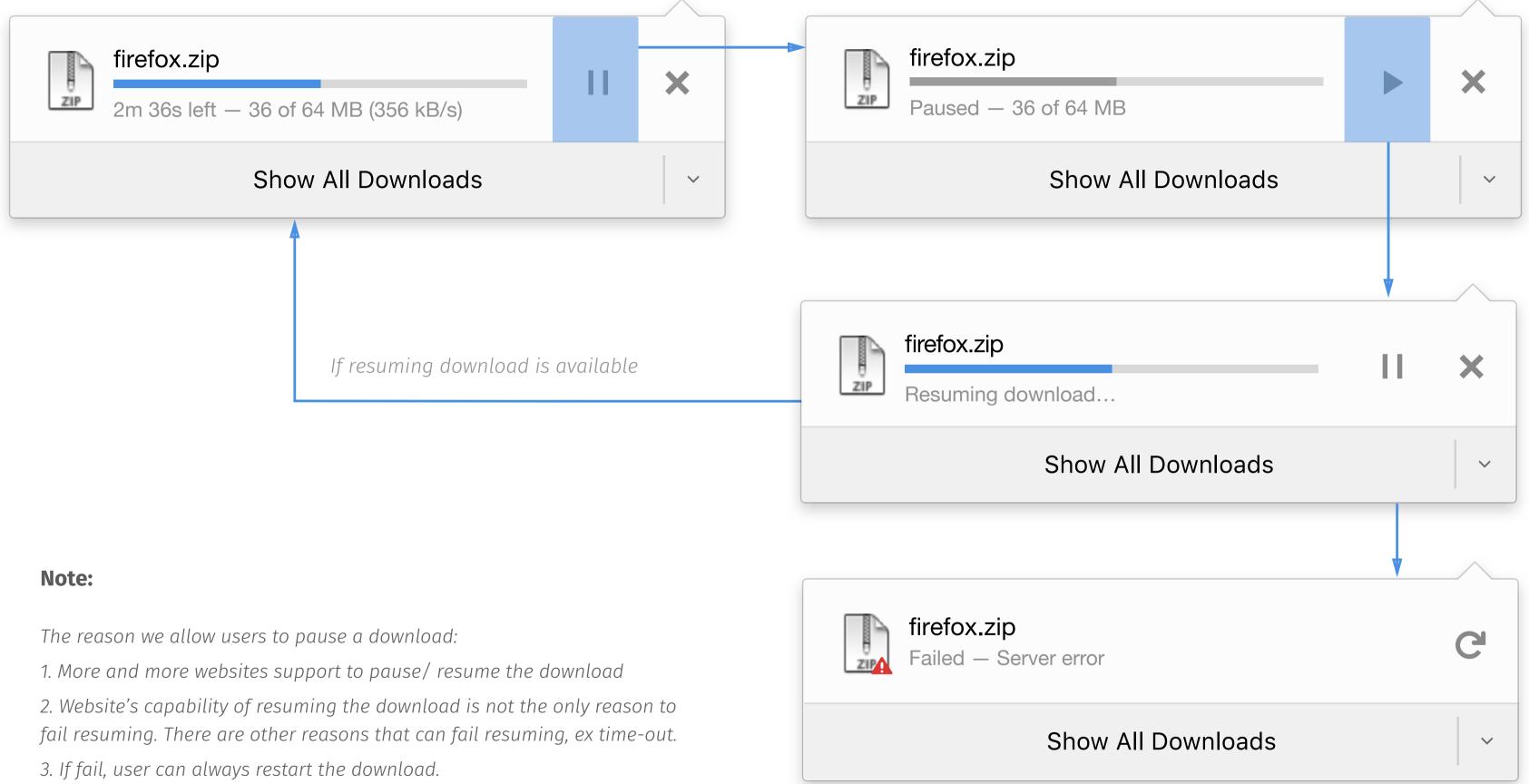
4 s > ETA, show A few seconds remaining
4 mins > ETA > 4s, show Xm Xs remaining
60 mins > ETA > 4mins, show Xm remaining
ETA > 60mins, show Xh remaining

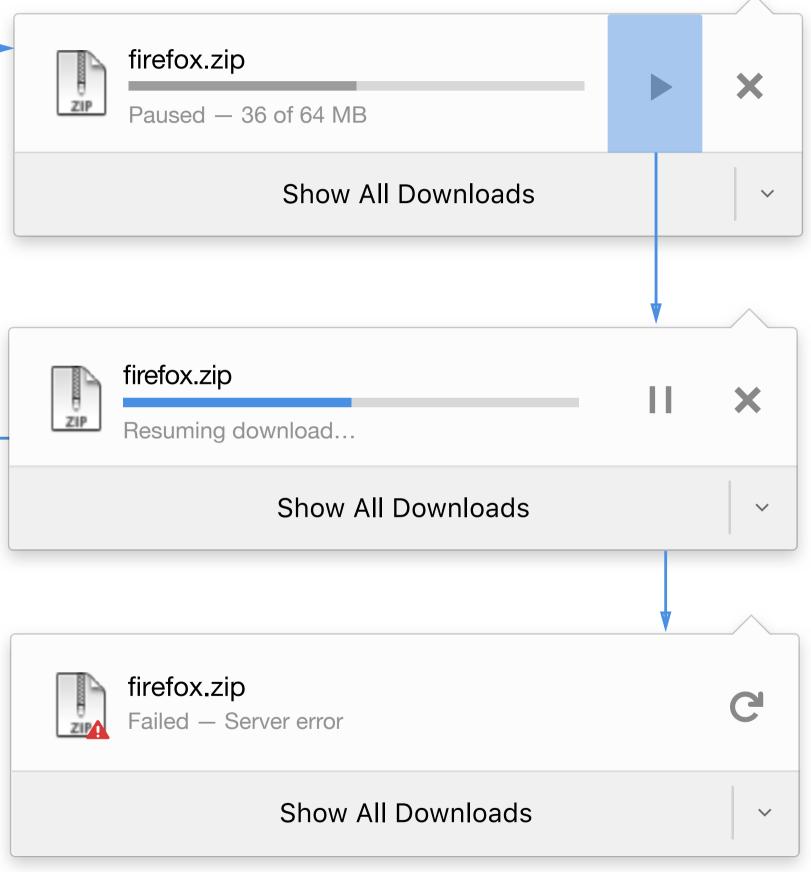
View in Finder

• Open file with default app



Pause & Resume

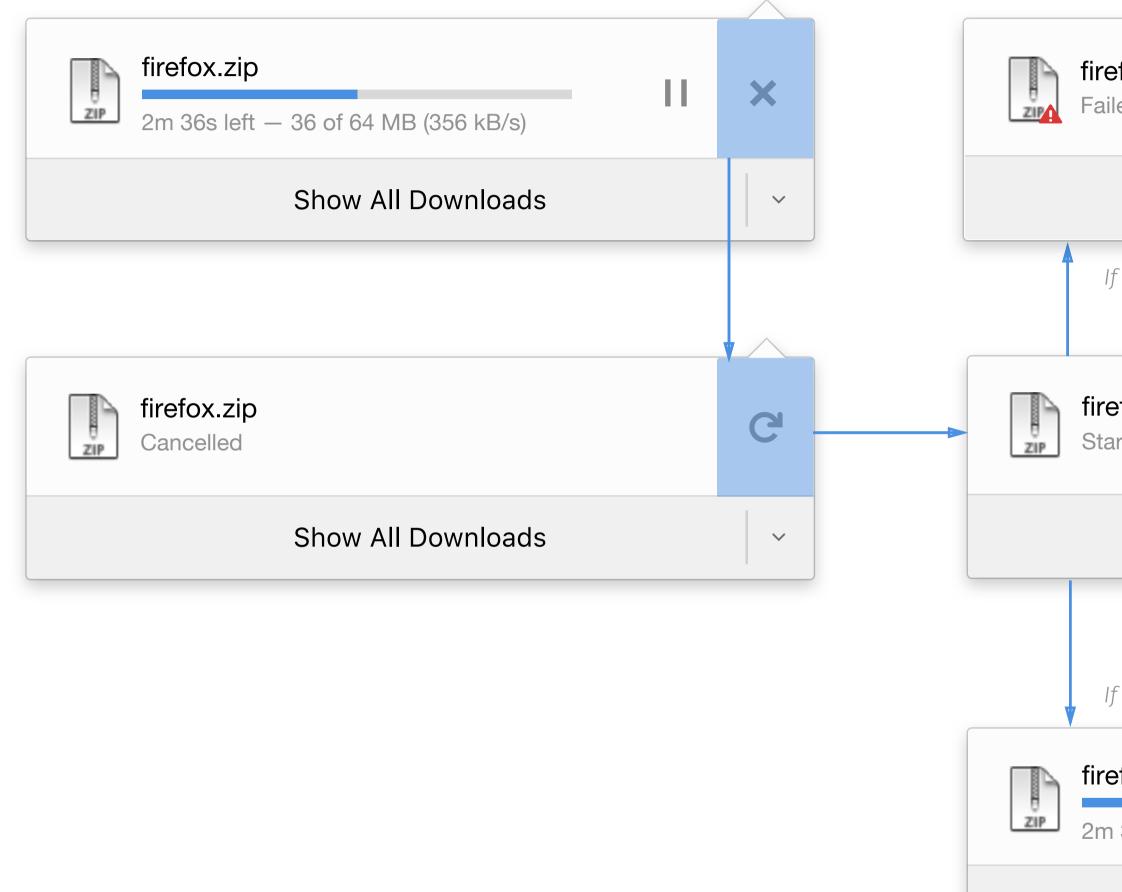




If resuming download is not available



Cancel & Restart



firefox.zip

Failed — Server error

Show All Downloads

If resuming download is not available

firefox.zip

Starting...

Show All Downloads

If resuming download is available

firefox.zip 2m 36s left – 36 of 64 MB (356 kB/s) Show All Downloads



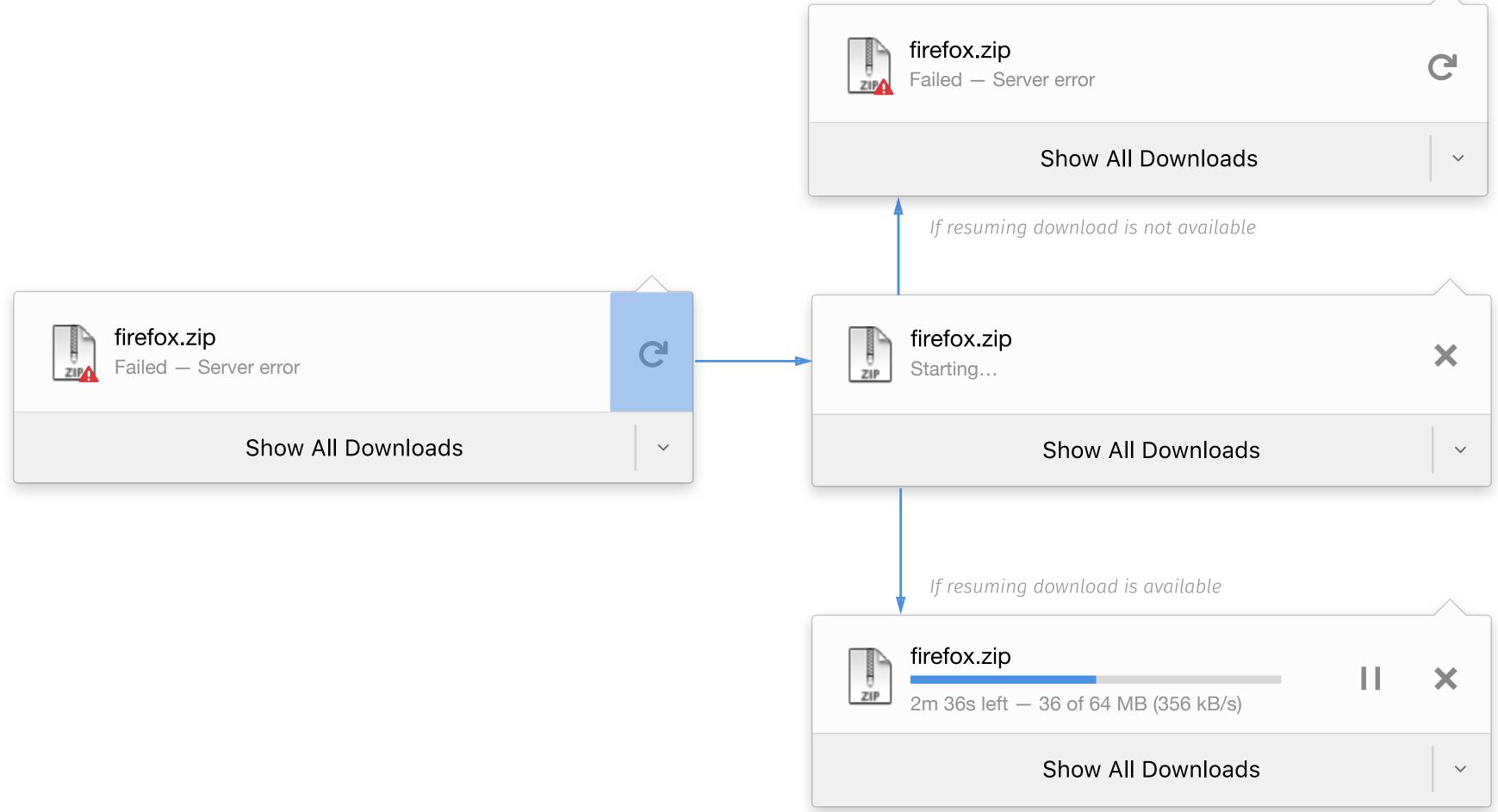
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 \checkmark

X

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Fail & Restart



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Malware



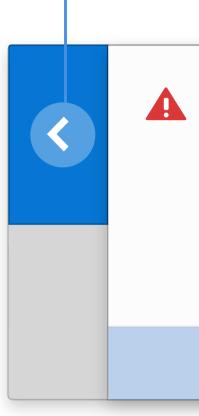
malware.zip This file will harm your computer

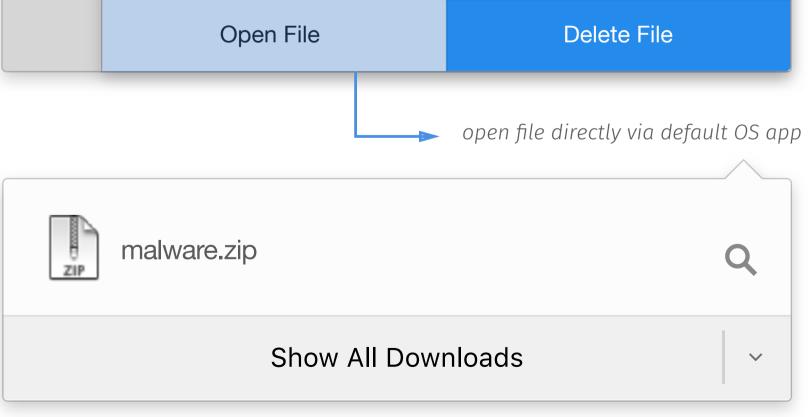
Show All Downloads

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

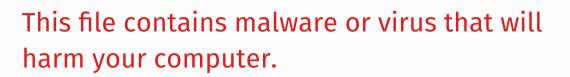
The user can go back, delete the file, or open it. If the user removes the file, the panel closes and the file is deleted. If they open the file, the file opens and the panel closes.

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Next time when use download.



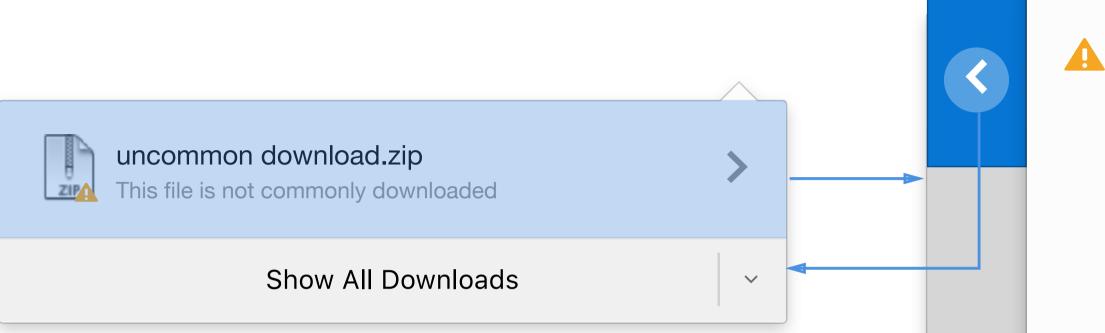
This file contains malware or a virus that will harm your computer.

You can search for an alternate download source or try again later.

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



Uncommon download



The user can go bo the file, the panel o



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.

This file is not commonly downloaded and may not be safe to open. It may contain a virus or make unexpected changes to your programs and settings. You can search for an alternate download source or try again later.			
Delete File	Open File		
ack, delete the file, or open it closes and the file is deleted	*		
nmon download.zip			
Show All Downloads			

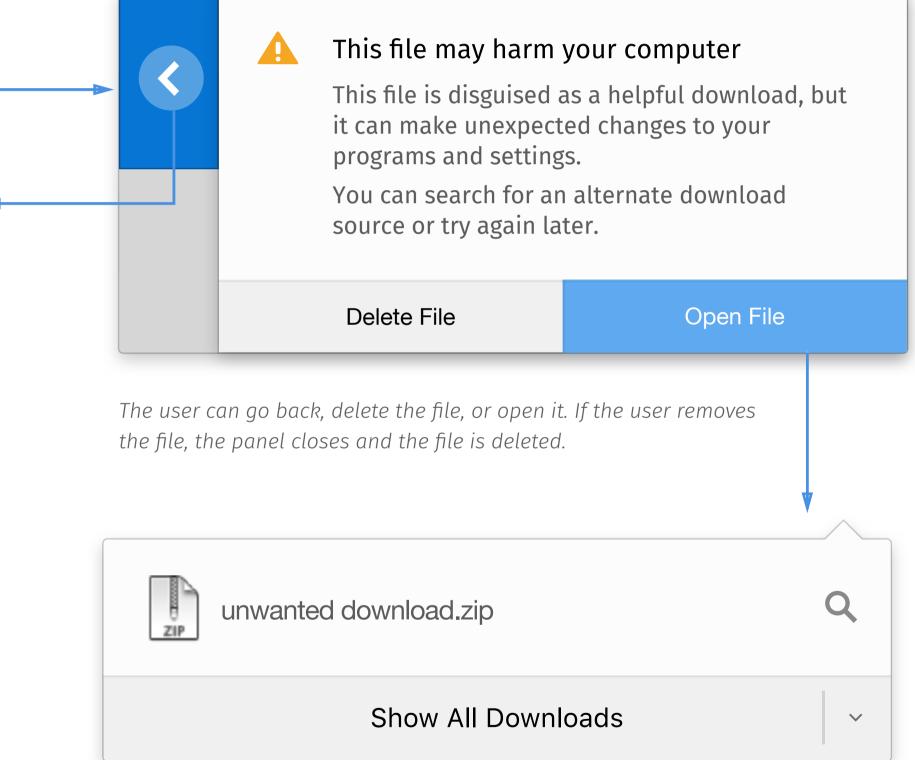


Unwatnted download



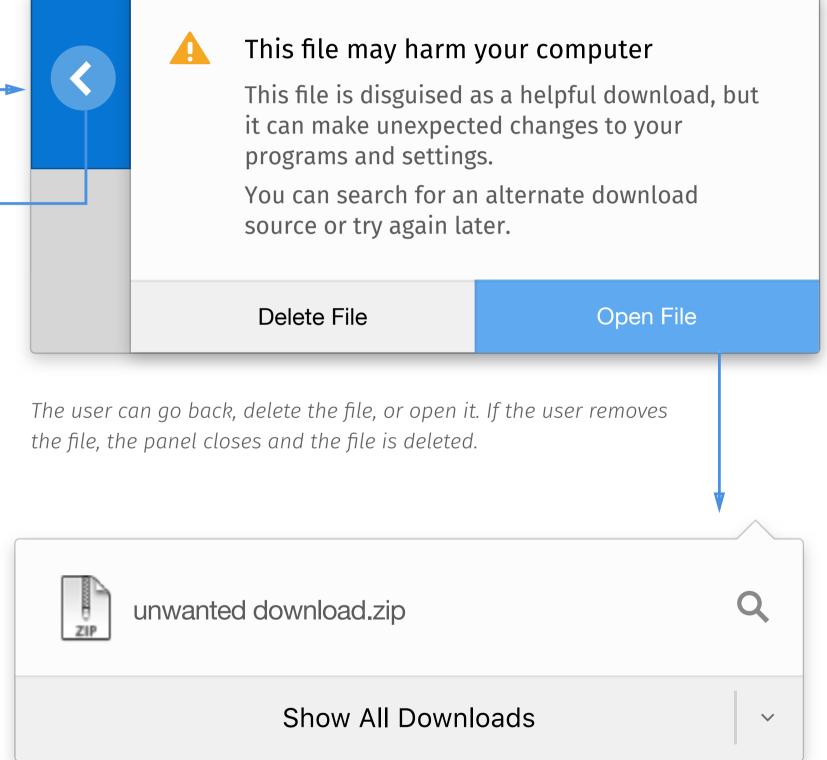
unwanted download.zip This file may harm your computer

Show All Downloads



>

 \checkmark



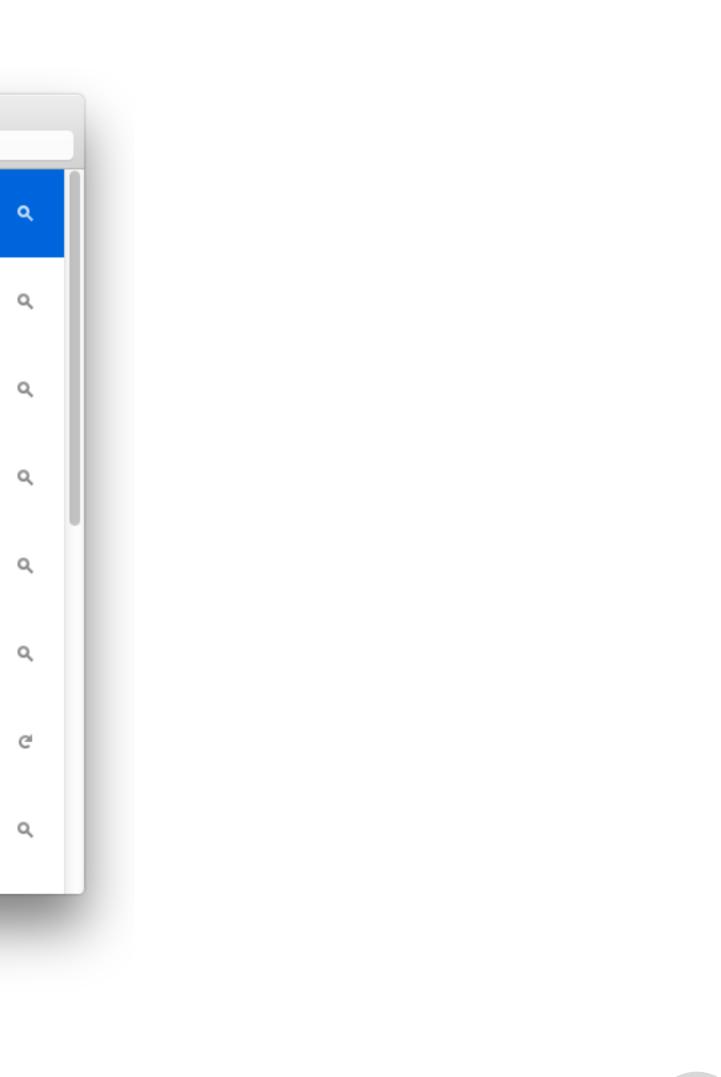
If the user opens the file, the file opens and the panel closes. Next time the user opens the panel, the row is now displayed as a normal download.



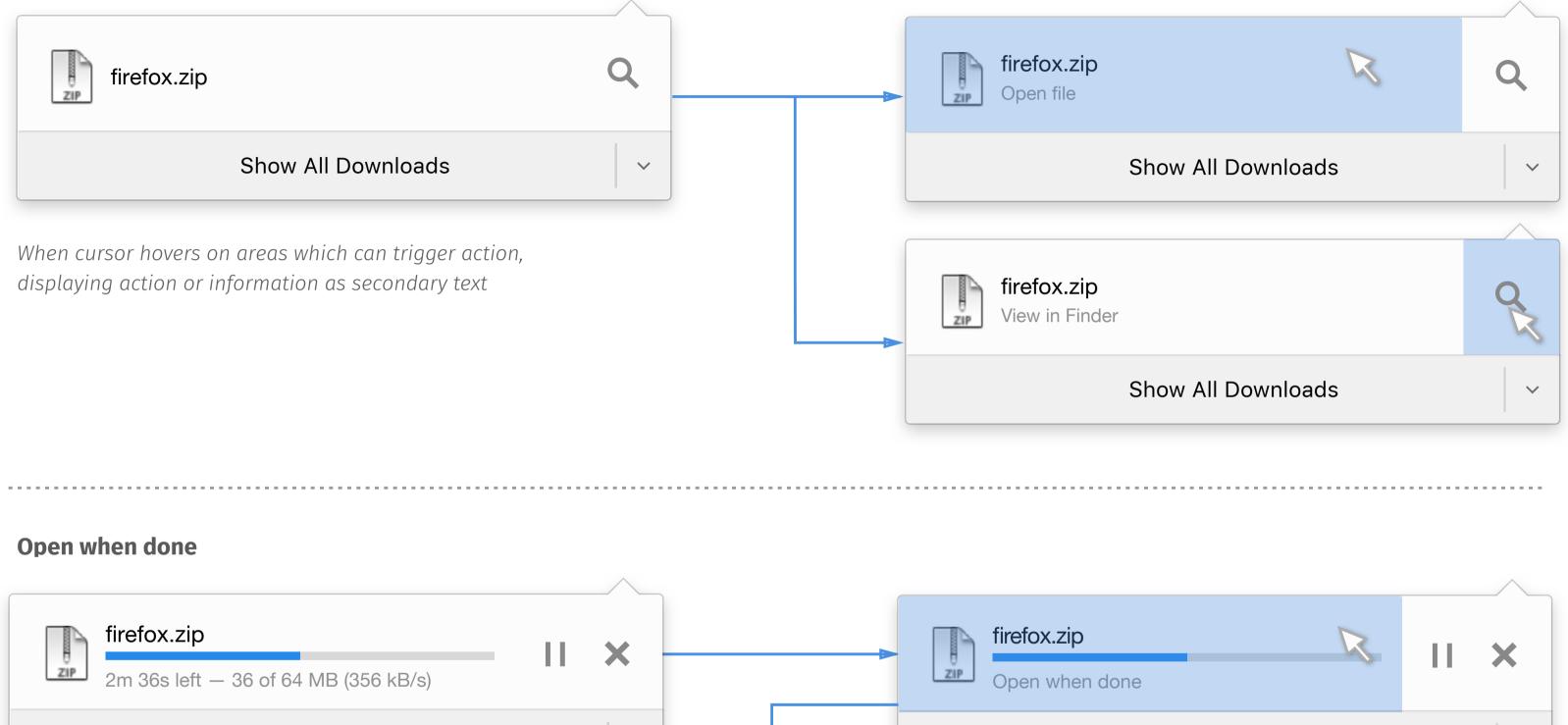
Modal pop-up in the Downloads Library

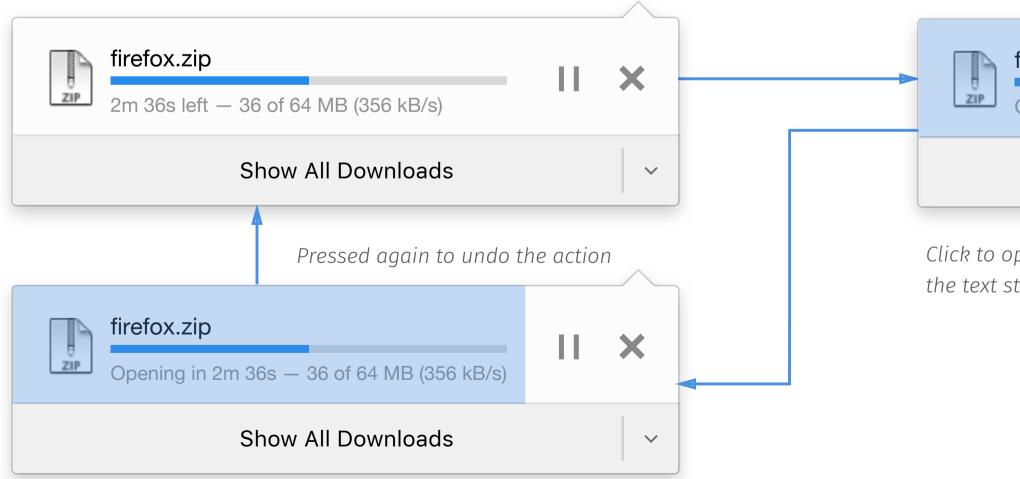
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loads			Q Search Downloads	
PSD PS	Firefox - Nightly 76.0 MB — goog			٩
	http://srstech.in/ Unknown size —	harm your computer. You can search for a	n alternate download	Q
	file:///Users/Mor Unknown size —	Open File	Delete File	Q
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PNG				Q,
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		•	=AFQjCNFIzPecJ9FAeXJVLMoQA99x9S4MNQ	٩
	Ps	Firefox - Nightly 76.0 MB - goog http://srstech.in/ Unknown size - file:///Users/Mor Unknown size - https://www.parc.com Unknown size - https://www.parc.com Unknown size - Pres Firefox-UI-Photoshop 235 KB - googleuserd Pres 6.2 KB - github.com oversize_pdf_test_0.p Canceled - princeton https://www.google.c	Firefox - Nightly 76.0 MB - goog http://srstech.in Unknown size - 10 11 11 11 12 13 14 15 16 17 17 18 19 19 10 10 10 10 11 12 13 14 15 16 17 18 18 19 19 10 10 11 11 12 13 14 14 15 16 17 18 18 19 10 11 11 11 12 13 14 14 15 16 17 18 18 19 11 11 11 12 13 14 15 15 16 17 18 18 18 18 19 19 11 11 12 13 14 15 14 15	Index Q Search Downloads Image: Strafox - Nighty 76.0 MB - good Image: Nighty Image: Strafox - Nighty Image: Nighty Image: Nighty <

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



Hover for More





Show All Downloads

Click to open the file right after download finished. Meanwhile, change the text string in normal status to "opening in ETA "

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Hover List

firefox.zip

firefox.zip

firefox.zip

firefox.zip

firefox.zip

Cancelled

firefox.zip

Malware.zip

Failed — Server error

This file will harm your computer

Uncommon download.zip

Unwanted download.zip

This file may harm your computer

This file is not commonly downloaded

Paused - 36 of 64 MB

Starting...

ZIP

ZIP

ZIP

ZIP

ZIP

ZIP

.....

ZIP

ZIP

Normal

2m 36s left — 36 of 64 MB (356 kB/s)

ZIP firefox.zip X Starting... firefox.zip X ZIP Open when done firefox.zip × ZIP Paused at 1:35 pm - mozilla.com ZIP firefox.zip Q Open file ZIP firefox.zip G Cancelled at 1:35 pm — mozilla.com



firefox.zip Failed at 1:35 pm — mozilla.com



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Malware.zip Show more information



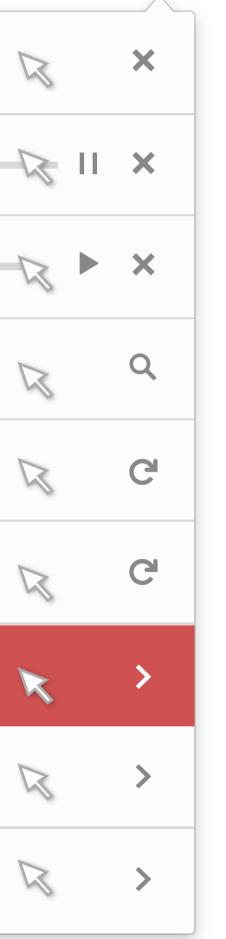
Uncommon download.zip Show more information



Unwanted download.zip Show more information

Hover on thread

Hover on button



Cancel download

Pause download/ Cancel download

Resume download/ Cancel download

View in Finder

Restart download

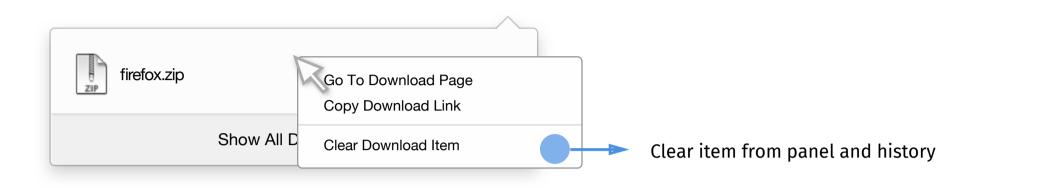
Restart download

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 Go To Download Page

Completed

Copy Download Link

Clear Download Item

Cancelled

Go To Download Page Copy Download Link

Clear Download Item

Alert

Failed

Malware

Uncommon download

Go To Download Page

Copy Download Link

Clear Download Item

Unblock Download

Show in Finder

Go To Download Page

Copy Download Link

Clear Download Item

Unblock Download

Show in Finder

Go To Download Page

Copy Download Link

Clear Download Item

Paused

Deleted

Show in Finder

Go to Download Page Copy Download Link 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	