

# Download Panel & Content Handler

*Mozilla Firefox*

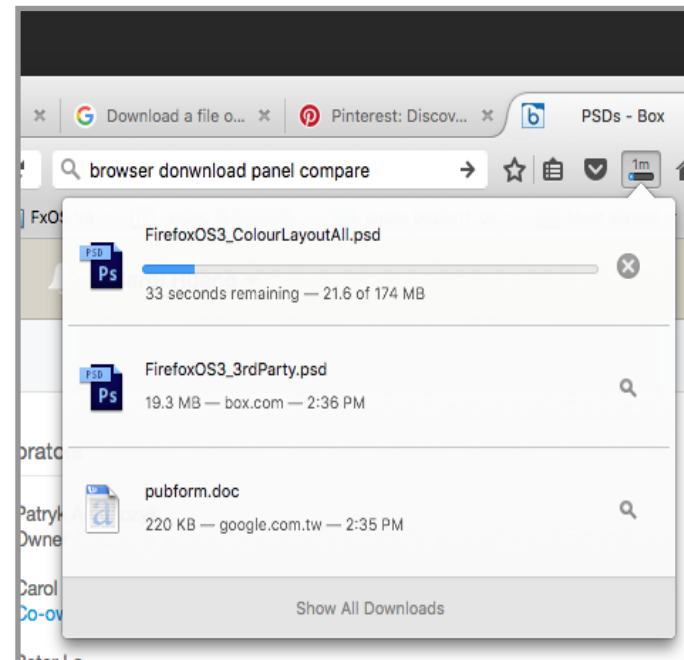


# Release Notes

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

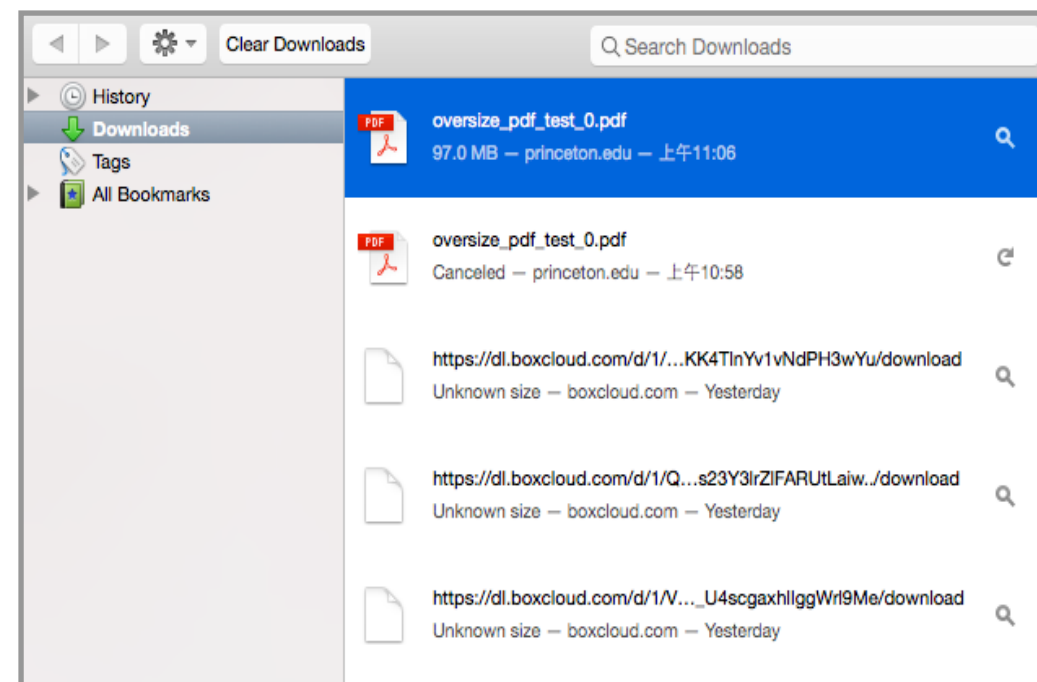


# *OVERVIEW*



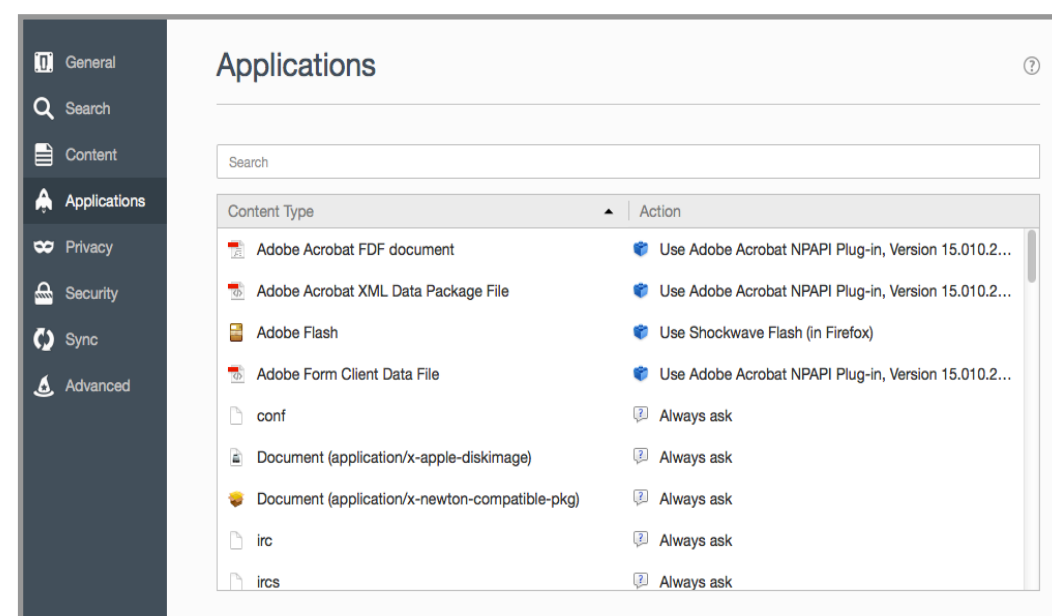
## Download panel

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.



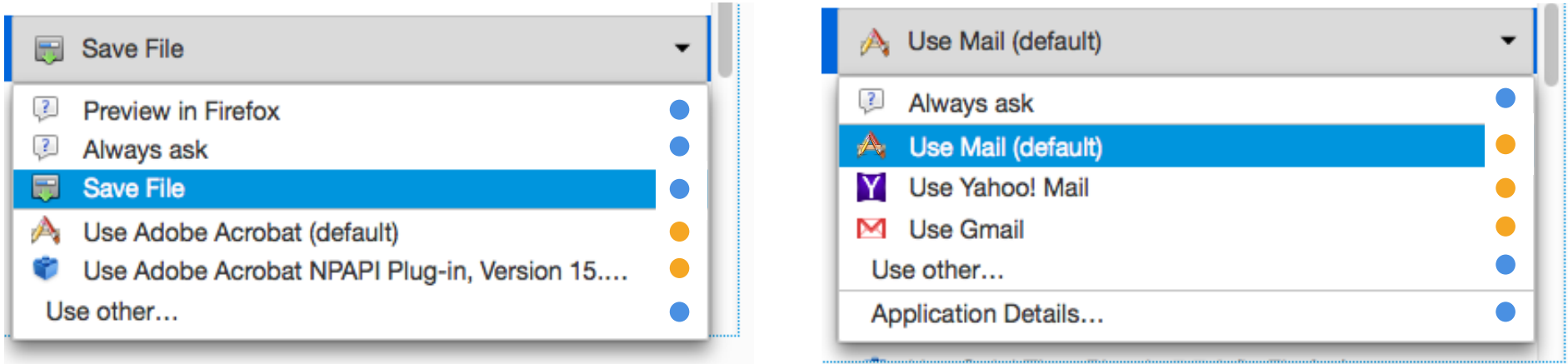
## Content handler

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.



*CONTENT HANDLER*

# Current Design/Redesign Content Handler



	File	Protocol	
Current Design	Preview in Firefox		<b>Action + Application</b> <i>Show user various options and mix them together</i>
	Always ask	Always ask	
	Save File		
	Use other (Native app)	Use other (Native app)	
	Use webapp	Use webapp	
	Use plug-in	Use plug-in	
	Use Native app	Use Native app	
		Application Details	
Redesigned	Use webapp	Use webapp	<b>Application</b> <i>Only provide user applications as option to open file/protocol</i>
	Use plug-in	Use plug-in	
	Use Native app	Use Native app	



# Handlers in Preferences

General

Search

Content

Applications

Privacy

Security

Sync

Advanced

Applications

File Handler

Firefox allows user to install add-ons to make it possible for browser to show you certain types of web file. You can manage the add-ons in the handler.

Learn more

Manage Handler

Protocol Handler

Firefox allows web services to open certain links. You can manage the services in the handler.

Learn more

Manage Handler

Handler location might be changed by overall Preferences design later

A circular icon containing a horizontal list of three lines, representing a menu or settings list.



# File Handler

File Handler

Firefox allows user to install add-ons to make it possible for browser to show you certain types of web file. You can specify a option to change the default action for how the browser handle the file type.

Search any file or add-ons

File	Default Action
PDF	<div><div>Open with PDF viewer</div></div>
Podcast	<div><div>Open with PDF viewer</div></div>
Video Podcast	<div><div>Open with firefox</div></div>
	<div><div>Save file</div></div>

Cancel

Save Changes

All installed extension which supports to preview this type of files will be listed under the file type.

If there is a default application in Firefox browser, it will also show as a option.

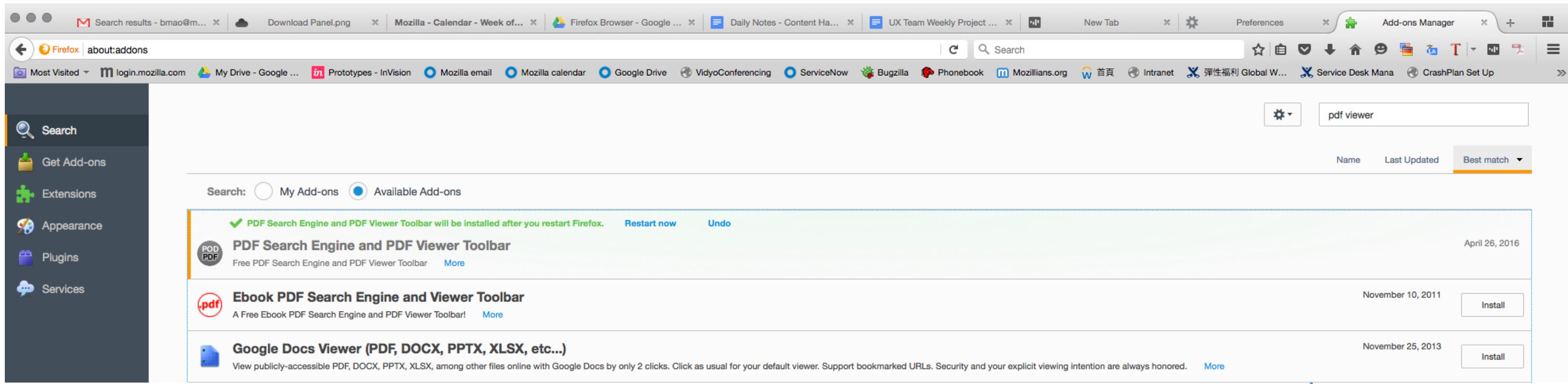
User can choose to directly save the file, and the file will be opened by OS default application.








All changes must be saved to be triggered. If user click cancel after changes, the changes won't be triggered.



# File Registration

Install add-on/ plug-in which supports to open a certain type of file



File	Default Action
 PDF	 Open with PDF viewer ▼
 Podcast	 Open with PDF viewer
 Video Podcast	 Open with firefox
	 Save file

Register the “File type & add-ons” in Content Handler










# Protocol Handler

Protocol Handler

Firefox allows you to manage the available applications to open a protocol link. You can specify a option to change the default action for how the browser handle the protocol.

Search any protocol or application

Protocol	Default Action
 mailto	<div> Open with Gmail</div>
 irc	<div> Open with Gmail</div>
 webcal	<div> Open with Yahoo! Mail</div>
	<div> Open with Mail (OS default)</div>

Cancel

Save Changes

All available websites which supports to preview this type of protocols will be listed under the protocol type.

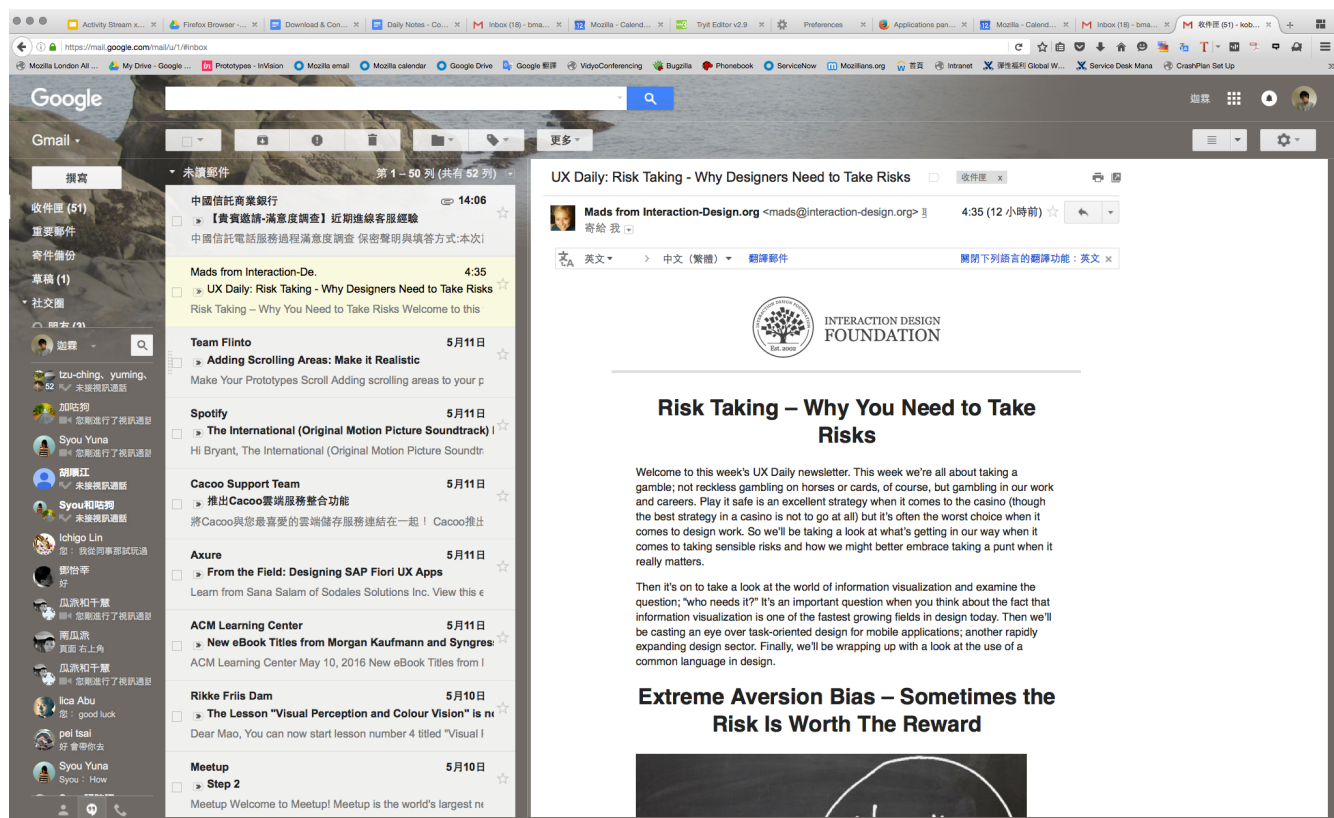
User can remove a certain website from the list, please find "Remove protocol" section for more information.

User can choose to directly open the protocol with native OS application.

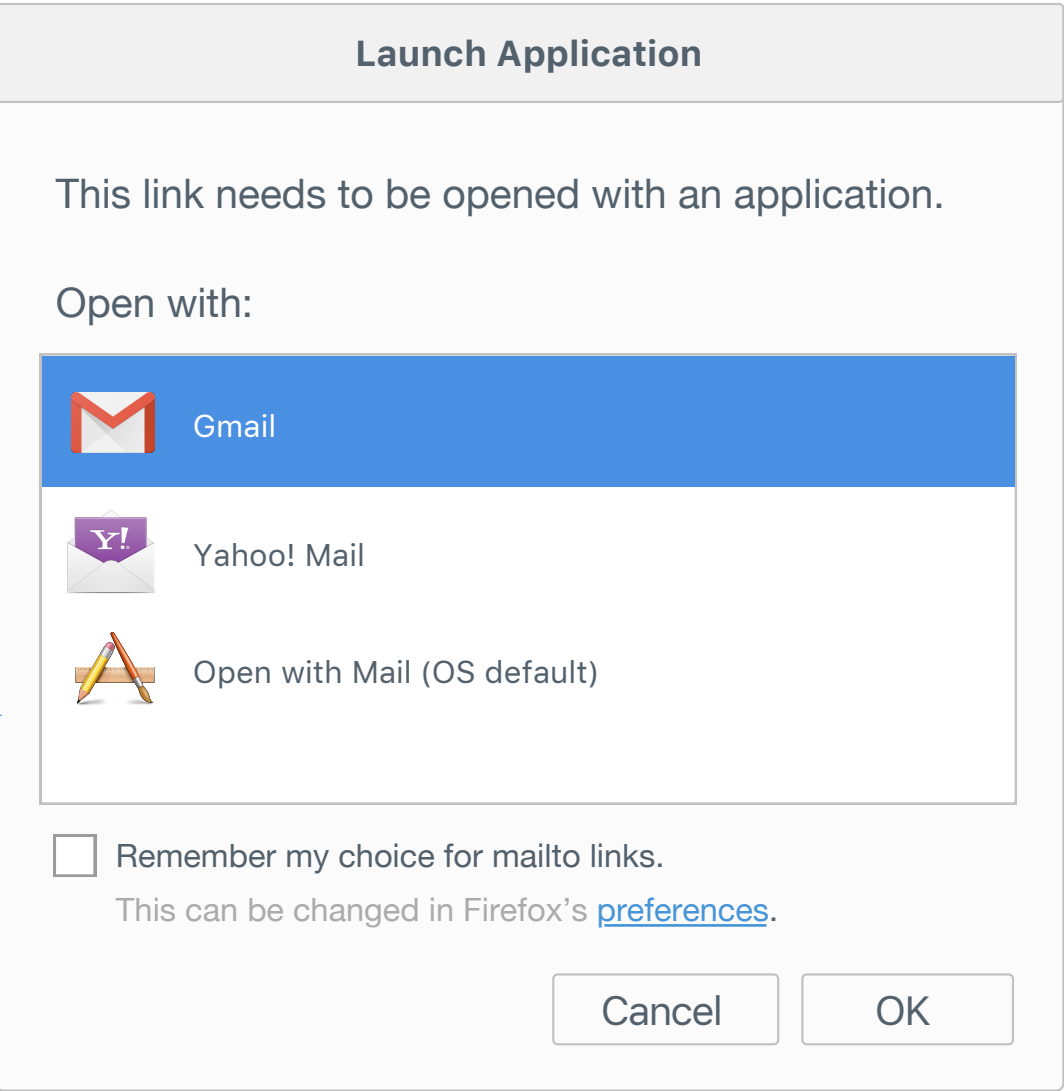
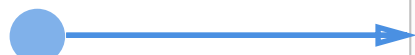
All changes must be saved to be triggered. If user click cancel after changes, the changes won't be triggered.



# Web App Recommendation



Protocol (mailto)

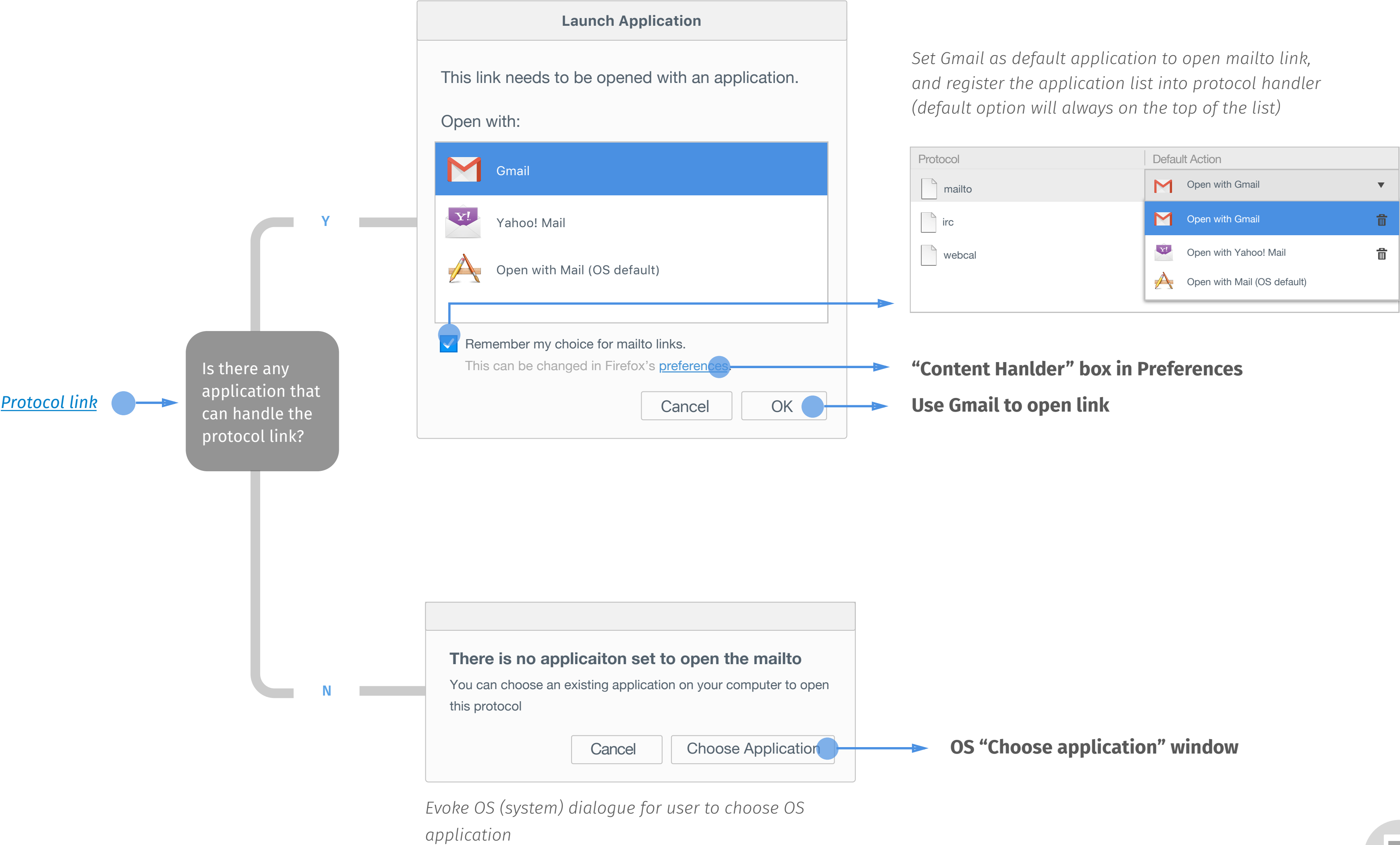


Whenever user visit a web app that can handle certain type of protocol, we remember it as potential option to open the protocol.

Whenever user click a protocol link, we check if there are web app that user have been visited before. and display the list by frequency of visit (highest is on the top) for user to choose.



# Protocol Registration





# Remove Protocol

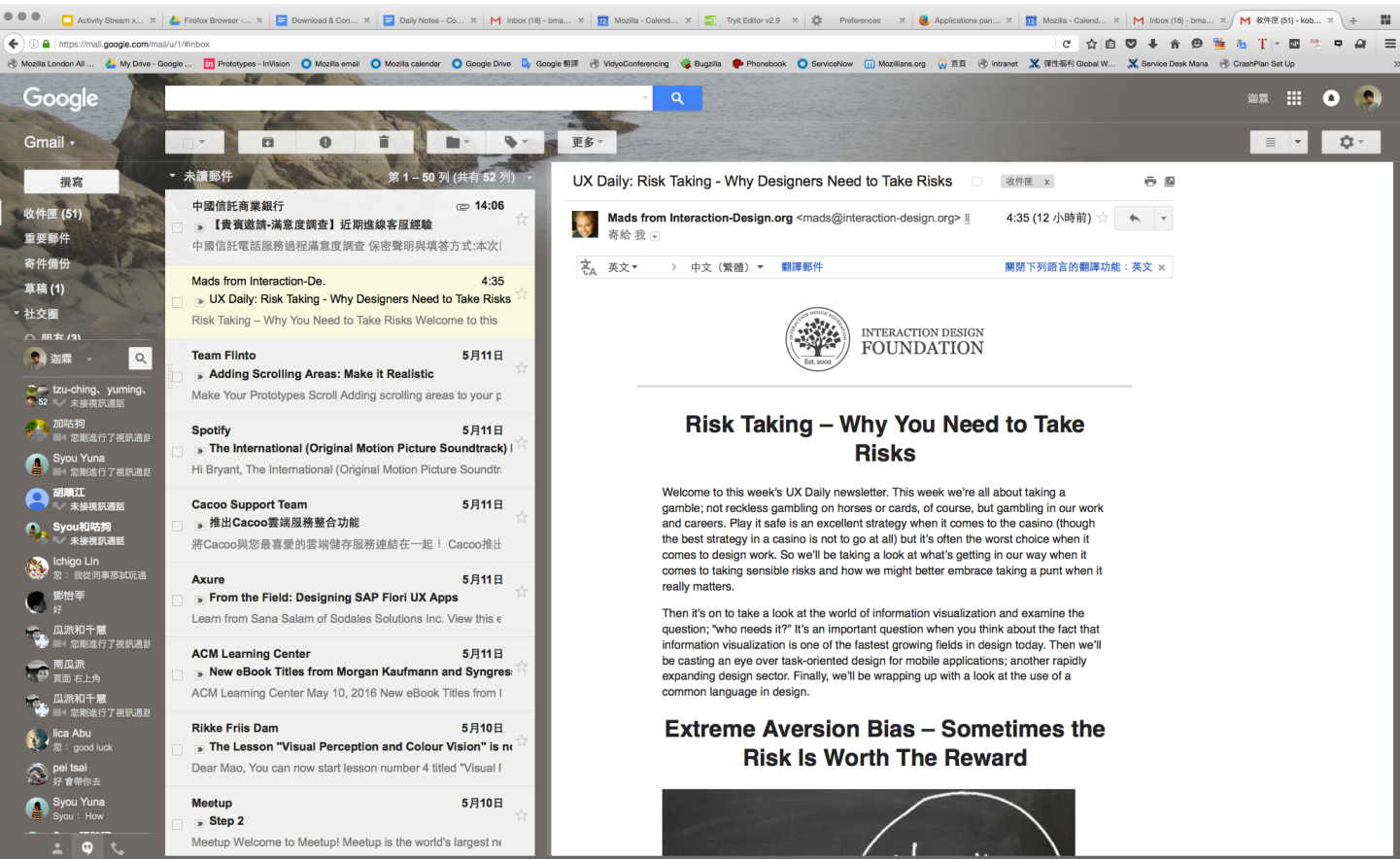
File Type	Default Action
mailto	Open with Gmail
irc	Open with Gmail
webcal	Open with Yahoo! Mail
	Open with Mail (OS default)

When user removed the default web application, substitute the following web app as default option

File Type	Default Action
mailto	Open with Yahoo! Mail
irc	Open with Yahoo! Mail
webcal	Open with Mail (OS default)

File Type	Default Action
mailto	Open with Mail (OS default)
irc	Open with Mail (OS default)
webcal	

Once user visited any web app (including the removed one) that can open the protocol, add it into the default action list as an option



File Type	Default Action
mailto	Open with Gmail
irc	Open with Gmail
webcal	Open with Mail (OS default)



# *Rules for Adding Websites to Protocol List*

*WIP*

