

**COMODO**  
Creating Trust Online®



# Comodo Dragon

Software Version 52

## User Guide

Guide Version 52.062816

Comodo Security Solutions  
1255 Broad Street  
Clifton, NJ 07013

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## 1. Comodo Dragon - Introduction

Comodo Dragon is a fast and versatile Internet Browser based on Chromium technology and infused with Comodo's unparalleled level of security.



This introduction is intended to provide an overview of the basics of Comodo Dragon and should be of interest to all users.

### Guide Structure

- **Comodo Dragon - Introduction**
- **System Requirements**
- **Downloading and Installing Comodo Dragon**
- **The Basics** - This section of the guide explains how to launch, configure and use Comodo Dragon to its full potential.
  - **Starting Comodo Dragon**
  - **Setting up Your Homepage in Comodo Dragon**
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- [Displaying/Hiding Application buttons on the Toolbar](#)
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- **Bookmarks** - An easy way to store the links of your favorite web-pages.
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- [Website Security Indicators](#)
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- [Configuring Access Pages Through A Web Proxy](#)
- [Scan Websites for Malware Using Web Inspector](#)
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- [Run Dragon Browser in the Background and Accelerate Performance](#)
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- [How to Add Accessibility Features to Dragon](#)
- [Troubleshooting](#) - How to resolve common problems that may arise when using Comodo Dragon.
  - [Errors and crashes in Comodo Dragon](#)
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  - [Report a Bug](#)
- [Portable Version](#)
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- [About Comodo Dragon](#)

## 2. System Requirements

To ensure optimal performance of Comodo Dragon, please ensure that your PC complies with the minimum system requirements:

- Windows 8 (Desktop Mode) / Windows 7 / Windows 10 / Windows Vista / Windows XP
- 128 MB RAM
- 40 MB Hard Disk Space

[Click here](#) to download and install Comodo Dragon.

## 3. Downloading and Installing Comodo Dragon

You can download the Dragon setup file from the following location:

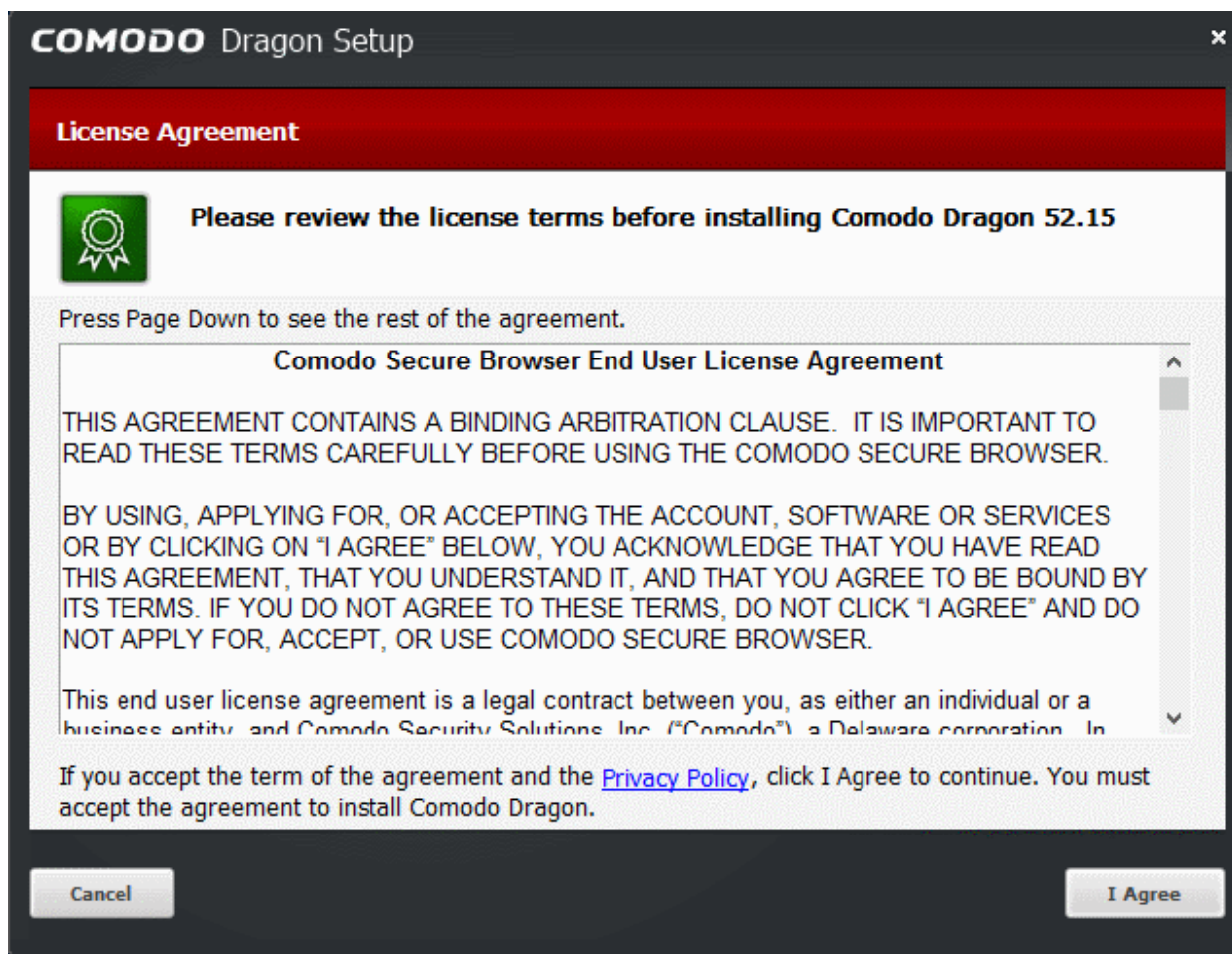
<http://www.comodo.com/home/browsers-toolbars/browser.php>



After downloading the setup file to your hard drive, double click Setup.exe to start the installation wizard.

**Note:** Dragon can be also installed in silent mode using the command line interface with the /S switch. For example, C:\>Download Directory>DragonSetup.exe /S. See '[Installing in silent mode](#)' for more details.

## Step 1 - End User License Agreement

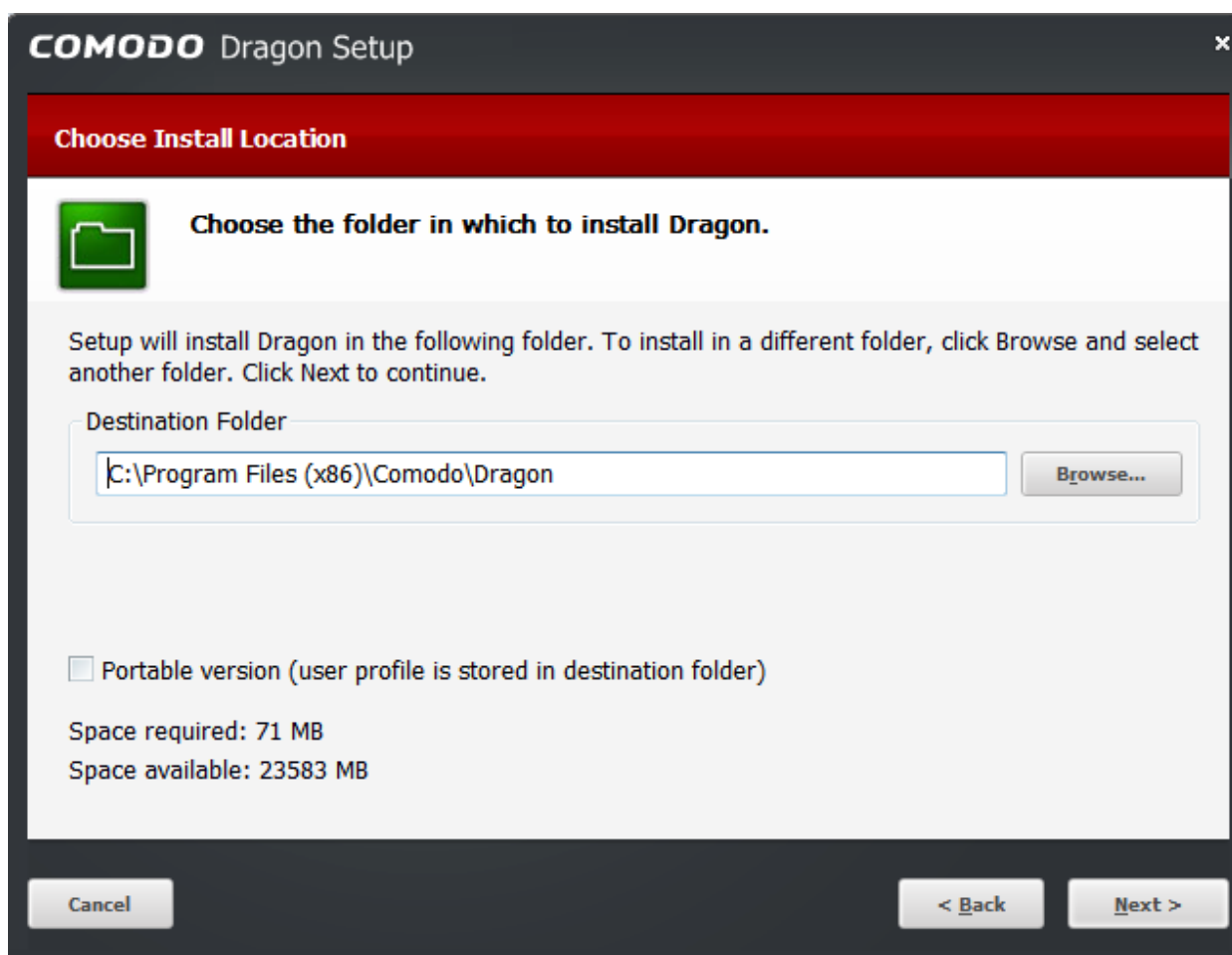


The EULA screen of the setup wizard is displayed. Complete the initialization phase by reading and accepting the End User License Agreement (EULA).

- Click 'I agree' button to continue the installation. Click 'Cancel' to abort the installation.

## Step 2 - Select Installation Folder





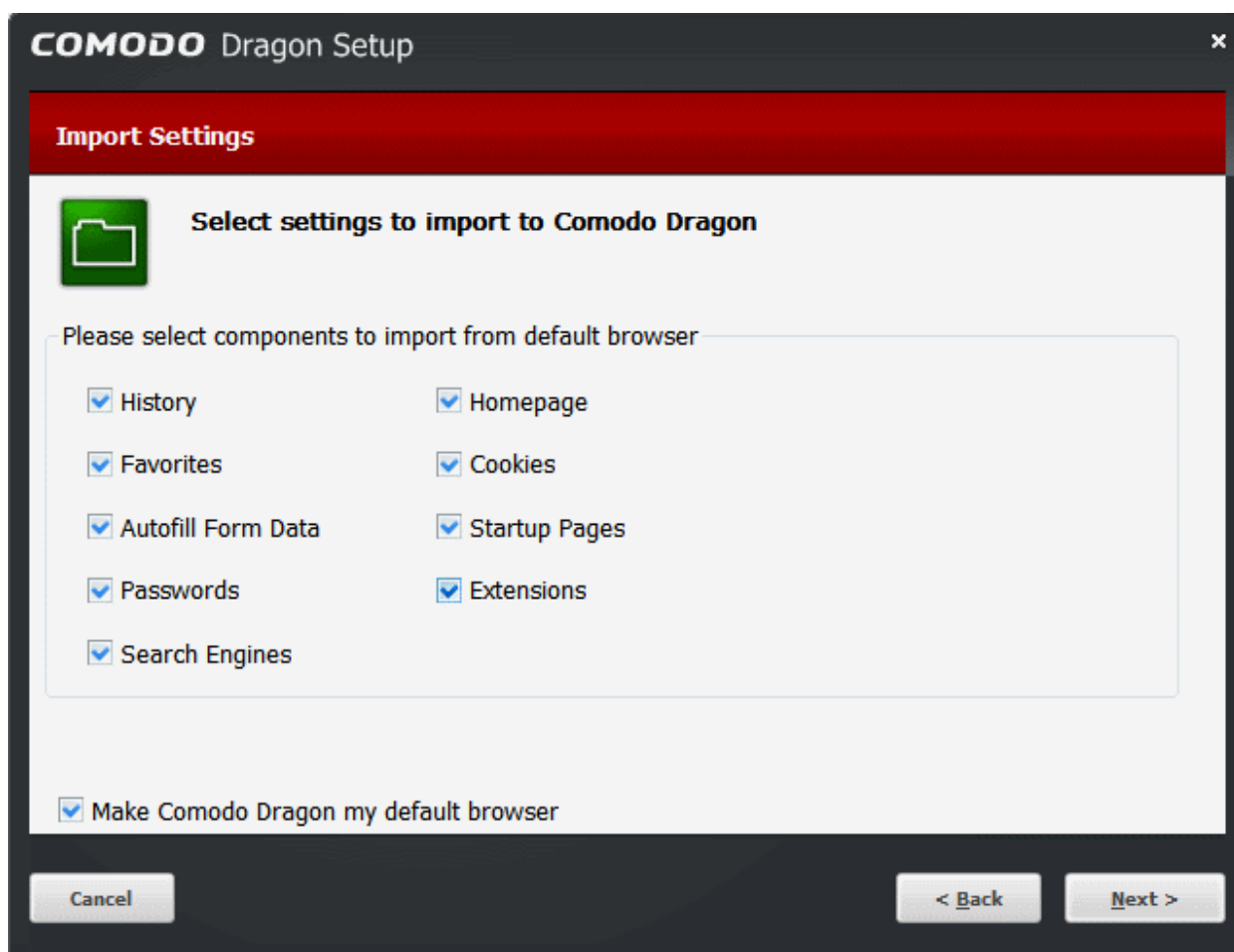
The next screen allows you to select the folder in your hard drive for installing Comodo Dragon. The default path is C:\Program Files\Comodo\Dragon.

If you want to install the application in a location other than the default location, click 'Browse' to choose a different location and click 'Next'.

For more details about the portable option, refer to the section [Portable version](#).

### Step 3 - Import Settings

The next screen allows you to select the components that you want to import from the current default browser in your computer to Comodo Dragon.



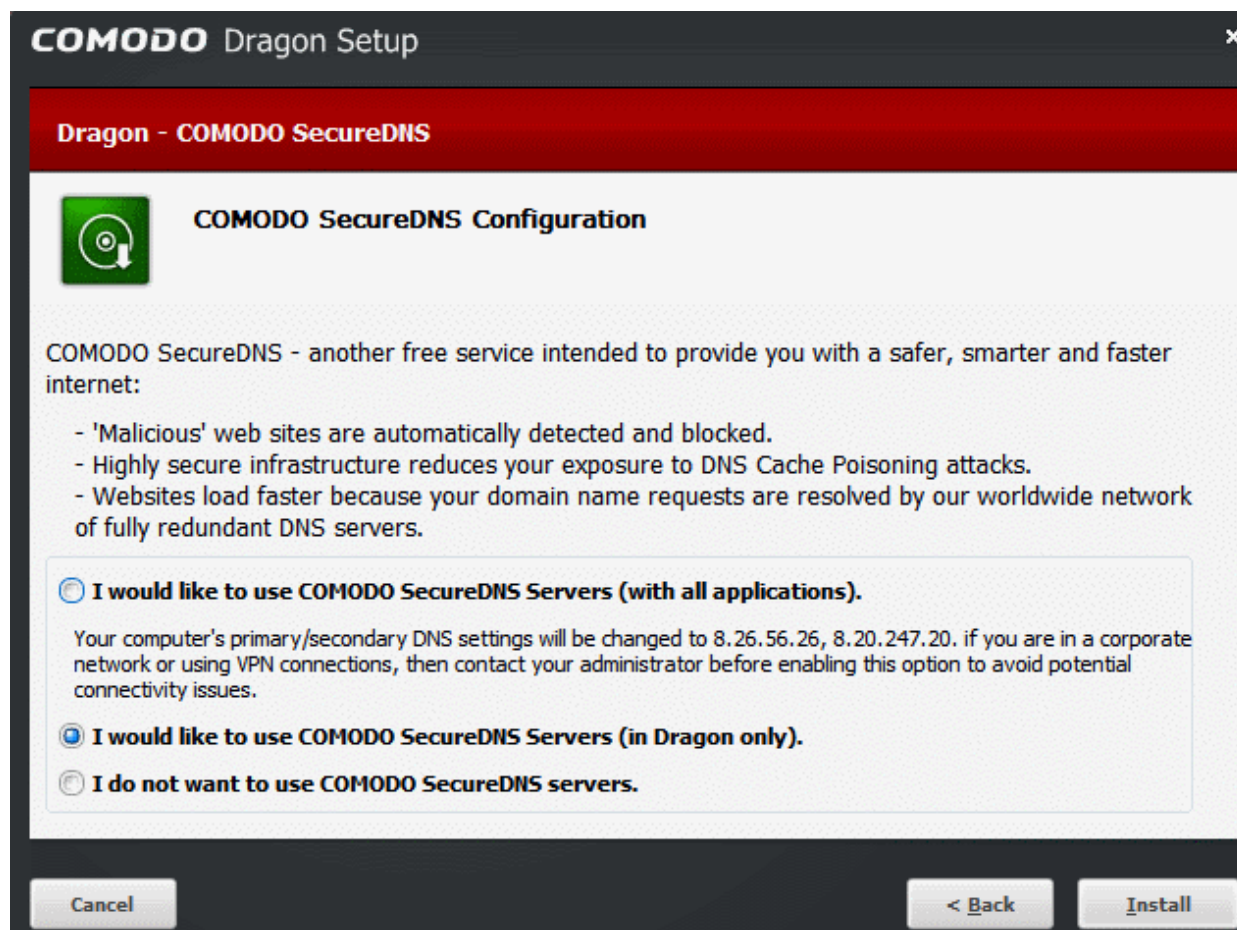
Select the checkboxes besides the records that you wish to import from your default browser at this time.

**Tip:** You can also import the records at later time if you have not selected any records at this time.

Leave the checkbox 'Make Comodo Dragon my default browser' selected to make Comodo Dragon your default browser. Deselect to keep your current default browser.

- Click 'Next' to continue.

## Step 4 - Configuring your DNS Settings



The Comodo SecureDNS configuration dialog is displayed.

Comodo Secure DNS service replaces your existing Recursive DNS Servers and resolves all your requests exclusively through Comodo's servers. Our worldwide network of redundant high-performance DNS servers resolve your request of webpages at high speed and make the webpages to load faster than the DNS server provided by your ISP.

Also, SecureDNS references a real-time block list (RBL) of harmful websites like phishing sites, malware sites, spyware sites, and parked domains that contain excessive advertising and hence provides secure Internet browsing experience without any hardware or software installation.

You can choose:

- To use Comodo Secure DNS server for all applications in your computer that access the Internet.
- To use Comodo Secure DNS server only for Comodo Dragon browser. All other applications will be connected through your default DNS server.
- To retain your default DNS server.

In addition, Comodo's Secure DNS ensures safety against malware attacks by preventing any program running in your system from accessing malicious websites.

By default, 'I would like to use Comodo SecureDNS Servers (in Dragon only)' is selected. Select the option you want

to use and click 'Install'.

**Note:** The option to use Comodo Secure DNS Servers can be selected at a later stage also in the Privacy section under the 'Show advanced settings' link. Select the **'Enable malware domain filtering (Comodo Secure DNS)'** checkbox.

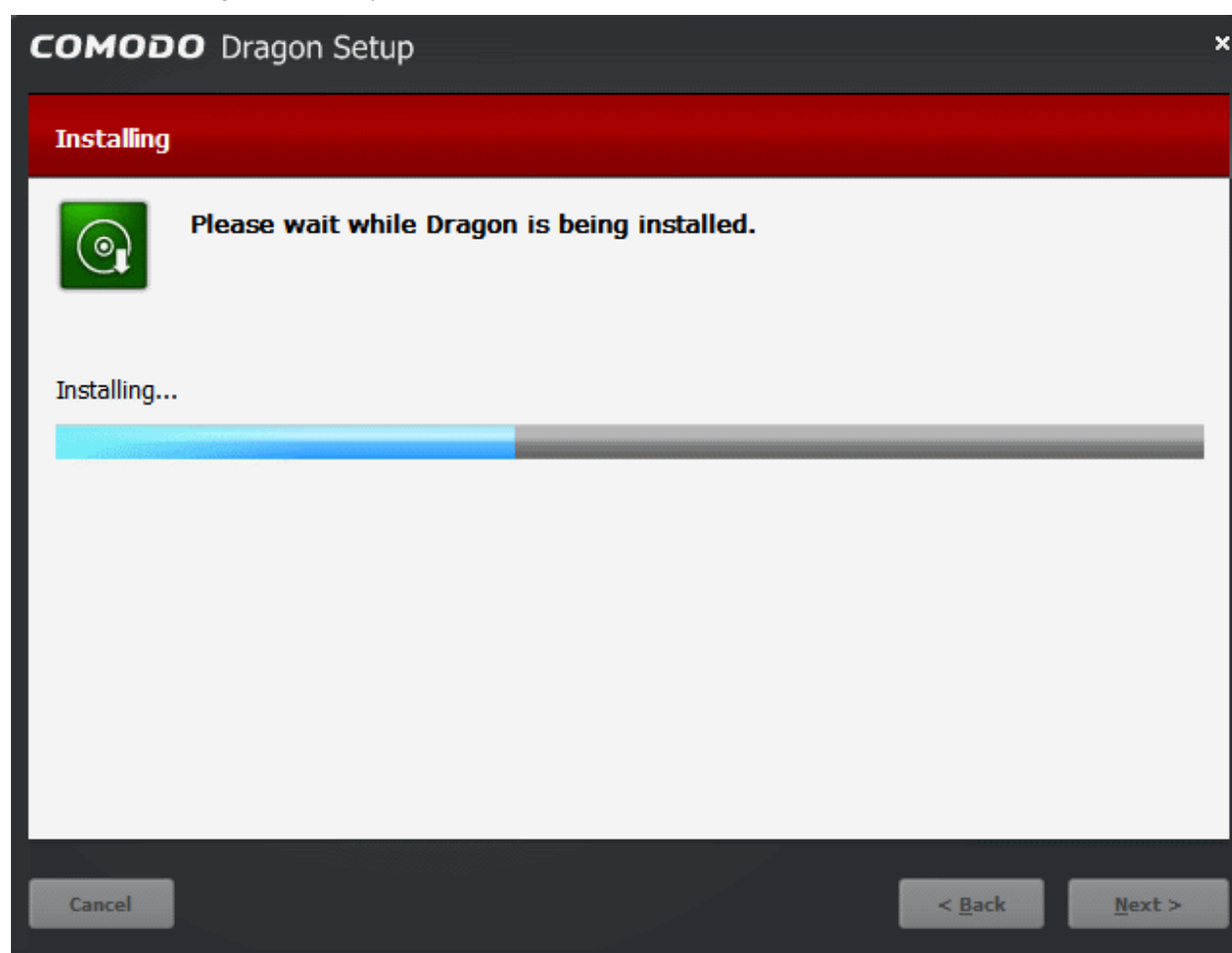
Select the checkboxes besides the records that you wish to import from your default browser at this time.

**Tip:** You can also import the records at later time if you have not selected any records at this time.

- Click 'Install' to continue.

## Step 5 - Setup Progress

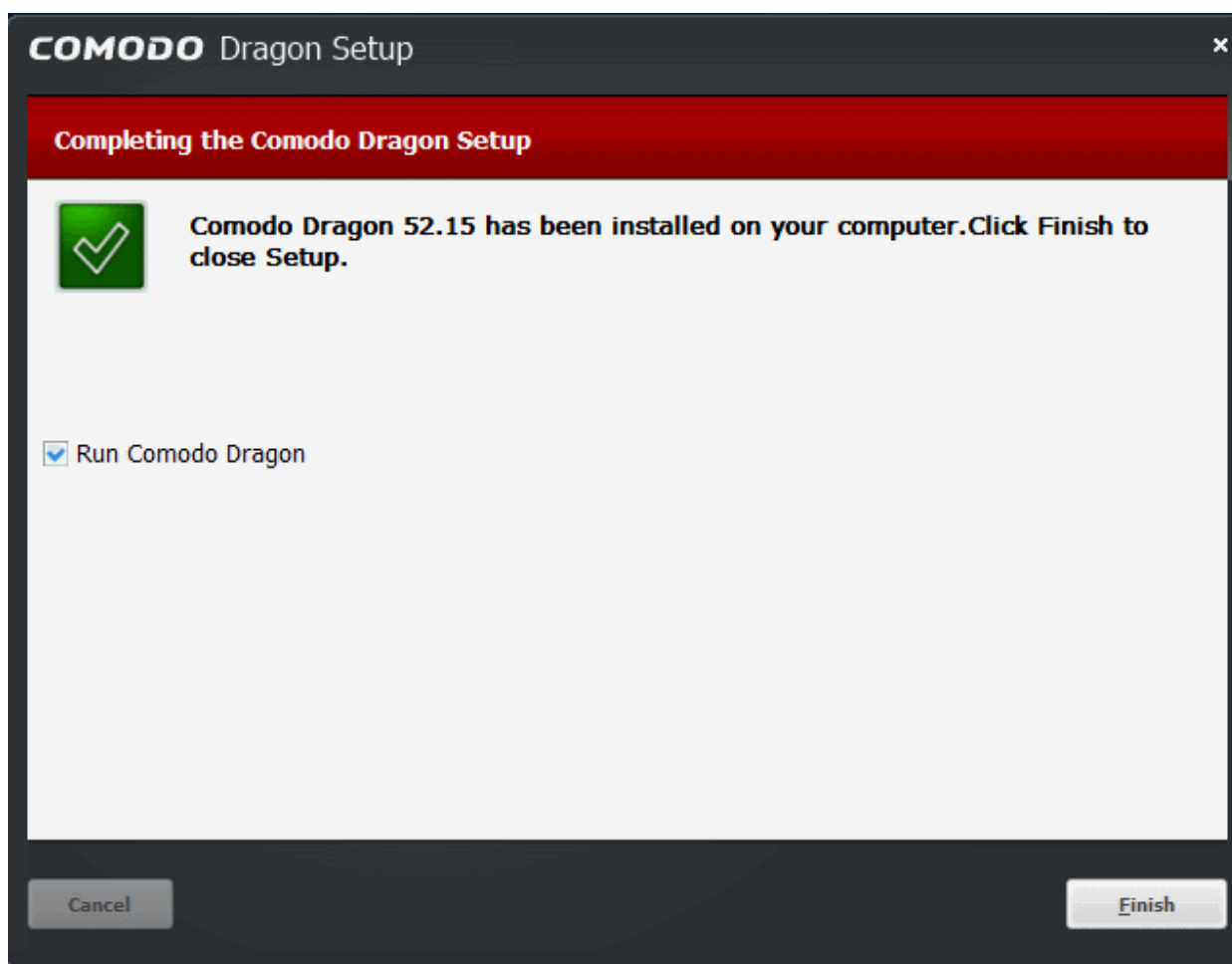
A setup status dialog box is displayed.



- Click 'Next' after the installation process is completed.

## Step 6 - Installation Complete

The Installation Complete dialog is displayed indicating the successful completion of installation. Leave the checkbox 'Run Comodo Dragon' selected to launch the browser else deselect it and click 'Finish'.



## Installing in silent mode

Dragon can be also installed in silent mode using the command line interface with the /S switch. For example, C:\>Download Directory>DragonSetup.exe /S

```
DragonSetup.exe /S
```

## Steps done by the silent installer:

- Uninstall the previous version (if exists).
- Copy installation files in to default installation folder.
- Create shortcuts on desktop and in programs menu.

## Steps not done:

- Making Dragon the default browser.
- Importing from default browser.
- Installing system-wide Comodo Secure DNS.

If Dragon is already installed then it will update the installed version.

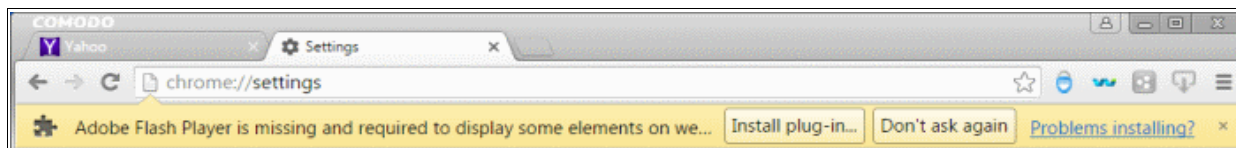
If the installer fails, the process is closed with error code not equal to 0.

**To run the silent installer in waiting mode and check return code:**

```
start /wait DragonSetup.exe /S  
  
echo %ERRORLEVEL%
```

The silent installer will fail if Dragon or another instance of the installer is already running.

If you do not have flash player installed, Comodo Dragon now requests for Adobe Flash Player plug in to be installed under main menu to display some missing web elements.



## 4. The Basics

This section of the guide explains how to launch, configure and use Comodo Dragon to its full potential. Click the following links to find out more:

- [Starting Comodo Dragon](#)
- [Setting up Your Homepage in Comodo Dragon](#)
- [Searching the Internet Using Comodo Dragon](#)
- [Setting Default Search Engine](#)
- [Comodo Dragon Logging Policies](#)
- [Predication Service](#)
- [Re-opening Recently and Most Visited Websites in Comodo Dragon](#)
- [Adding Home Button to the Toolbar](#)
- [Opening Preset Pages on Startup](#)
- [Viewing Browsing History](#)
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- [Setting Browser Language, Fonts and Encoding](#)
- [Search for Important Browser Settings](#)
- [Configuring Dragon Updates](#)
- [Import Settings from another browser](#)
- [Managing Website Passwords](#)

### 4.1. Starting Comodo Dragon

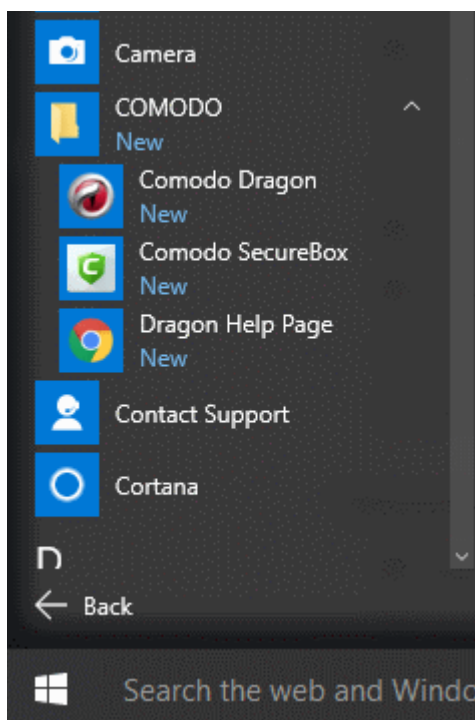
There are two different ways to start Comodo Dragon:

- [Start Menu](#)
- [Desktop](#)

#### Start Menu

You can launch Comodo Dragon via the Start Menu.

- Click *Start* and select *All Programs > Comodo > Dragon > Comodo Dragon*



## Desktop

- Just double-click the Comodo Dragon icon on your desktop.



Further reading related to the topic of this page:

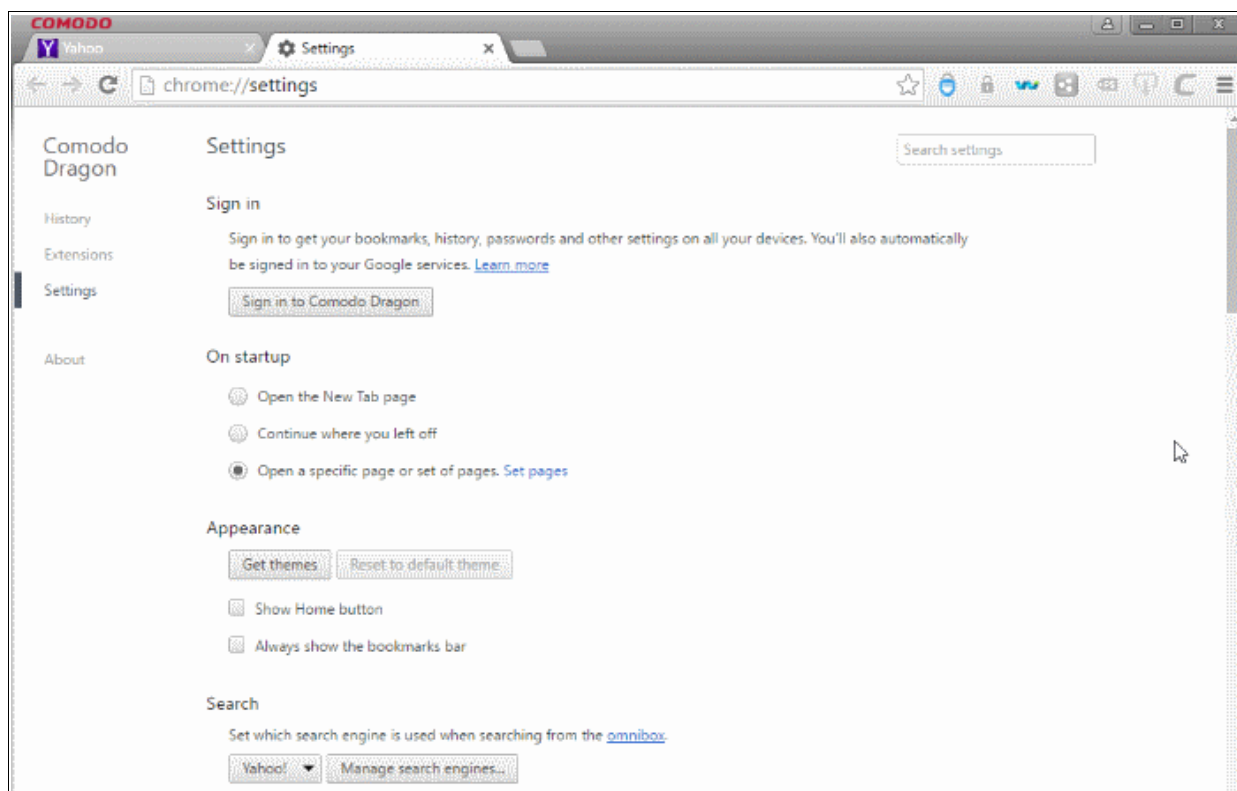
- [Setting up Your Homepage in Comodo Dragon](#)
- [Setting Default Search Engine](#)
- [Re-opening Recently and Most Visited Websites in Comodo Dragon](#)
- [Adding Home Button to the Toolbar](#)

## 4.2. Setting up Your Homepage in Comodo Dragon

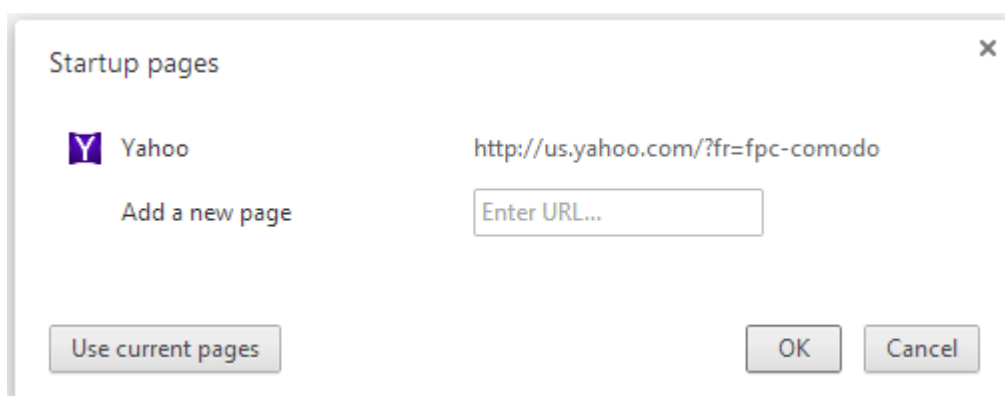
You can configure Comodo Dragon to open your desired web-page as soon as you start the program.

To set your home page

- Click the menu  button located at the top-right corner.



- Select 'Open a specific page or set of pages', from 'On Startup' section,
- On clicking 'Set pages' link, the 'Startup pages' dialog will appear.



- Select 'Add a new page' or 'Use current page', from 'Startup pages'.
- Enter the desired homepage web address in the text box.
- Click 'OK'.

If you select 'Use the New Tab page', a blank new tab will be set as your homepage.

Further reading related to the topic of this page:

- [Opening a New Tab Page](#)
- [Adding Home Button to the Toolbar](#)

## 4.3. Searching the Internet Using Comodo Dragon

The address bar in Comodo Dragon also acts as a search field. The default search engine that the address bar should use can be set in 'Basics' from the Options menu.

**To search the Internet**



- Type the search item in the address bar.
- Press 'Enter'.

Comodo Dragon uses the default search engine to search for the item that you have entered. You can choose to use a different search engine to the default should you wish.

## Alternative search method

You can perform a specific website search, search within the page and use the search fields in History page, Bookmark manager and Download page to find the items.


### To search a specific website

- Start entering the address of the web site that you want to search.

If a web site is present in Dragon's search engine list (*chrome://settings/searchEngines*), it offers the option to search for that site or type the keyword of the search engine in the address and press 'Tab'. For example, if you have given the keyword for yahoo.com as yahoo, you can enter yahoo in the address bar and press the Tab button. You can view 'Search Yahoo' appear in the address bar.

If you enter the search keyword and press enter, Yahoo search engine will now perform the search function for the item instead of the default search engine.

### To search within a webpage

- Click the menu  located at the top-right corner.
- Select 'Find'.

Alternatively use the keyboard shortcut CTRL + F keys.

A 'Find' field appears on the top right side of the page.

- Type the search item in the find bar and press the 'Enter' button.

As you type the search item in the find bar, Comodo Dragon searches for the page automatically and highlights the possible matches in yellow. You can also see the results of the matched items in the find bar.

### To search using right-click option

- Use your cursor to highlight any text on a webpage.
- Right-click on the highlighted item and select the option to search.

### To search using copy and paste method

- Use your cursor to highlight any text on a webpage.
- Right-click on the highlighted item and copy it.
- Right-click on the address bar and select 'Paste and search'.

### To search using the drag and drop method

- Use your cursor to highlight any text on a webpage.
- Right-click on the highlighted item, drag and drop it in the address bar.

Comodo Dragon uses the default search engine and displays the search results for the highlighted text.

Further reading related to the topic of this page:

[Setting Default Search Engine](#)

[Bookmarks](#)


[Viewing Browsing History](#)

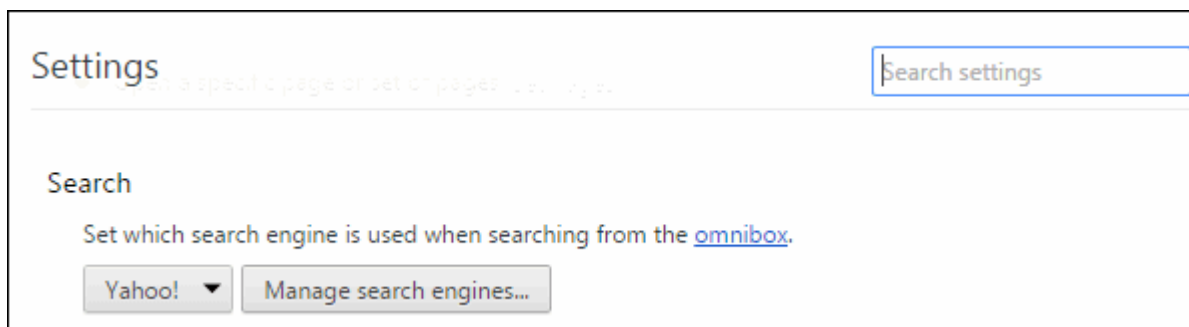
[Downloads](#)

## 4.4. Setting Default Search Engine

The address bar in Comodo Dragon acts as search box as well. You can set the default search engine that the address bar should use for your searches.

To set your default search engine

- Click the menu  located at the top-right corner.
- Select the 'Settings' from menu.



- In the 'Search' section, select the search engine that you want to set as default.

If the desired search engine is not available from the drop-down box, click the 'Manage search engines' button to add the search engine. [Click here](#) to know more about managing search engines.

- Click 'Done' when you have finished.

Further reading related to the topic of this page:

[Managing Your Search Engines](#)

## 4.5. Comodo Dragon Logging Policies

If you have enabled Instant feature in Comodo Dragon, the browser will automatically start loading the web-page as you finish typing the URL in the address bar and even before you press the Enter button. The search results are further augmented if supported by your default search engine and as you type in the address bar, inline predictions appear instantly.

As you type text in the address bar, the default search engine set in the browser will be requesting results and the results depend on the logging policies of the search engine. If you had set Yahoo as your default search engine, the text entered in the address bar is sent to Yahoo search engine and its logging policies will apply for the search.

If you have opted to disable both the Dragon Instant feature and address bar prediction service, as per the yahoo search engine's policy, only after you press Enter the searches will be logged. For example, if you type 'course' in the address bar and pause, nothing is displayed. Only after you press the enter button, yahoo search engine logs 'course' as a search.



If you have opted to enable both the Dragon Instant feature and address bar prediction service, as per the Yahoo search engine's policy, it retrieves predictions even as you type in the address bar of the browser. Select the desired prediction, if it appears, and press the Enter button. The search results for the word is displayed. If you pause for more than three seconds without pressing Enter, the text typed is treated as partial query data by Yahoo search engine. This is stored for up to two weeks in its database and then deleted.

If you have opted to disable Dragon Instant feature and enable address bar prediction service, as per the Yahoo search engine's policy, it retrieves predictions even as you type in the address bar of the browser. To make the prediction service more efficient, yahoo search engine at random logs two percent of these requests and anonymizes this information within 24 hours.

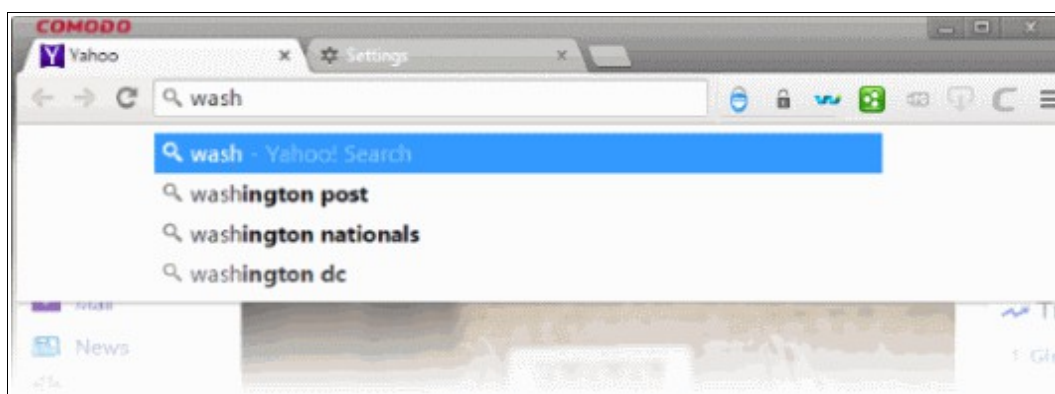
Further reading related to the topic of this page:

- [Prediction Service](#)

## 4.6. Prediction Service


When enabled, Comodo Dragon will show predictions as you type into the address bar. Predictions can come in the form of suggested searches or suggested web addresses. If you see the  icon next to the item in the address bar drop-down, it indicates a suggested search term while the  icon indicates a web address.

For example, if you typed 'washington post' in the address bar, you may see search suggestions for 'washington post', 'washington post crossword' and 'washington post jobs'. Clicking on any of these items will take you to the search results pages for those terms as if you had typed them directly into a search engine. You may also see the Washington Post website listed (<http://www.washingtonpost.com/>). Clicking this suggested item would take you directly to their website homepage.



The prediction service is disabled in Comodo Dragon by default.

### To Enable the prediction service

- Click the menu  located at the top-right corner.
- Select 'Settings' from the menu.
- Check 'Use a prediction service to help complete searches and URLs typed in the address bar or the app launcher search box' option in the 'Privacy' section.

**Note:** Apart from the browser displaying a web address using predictions, it also displays matches from your browsing history. If you do not want to see matches from your browsing history, you can clear your browsing history.

Further reading related to the topic of this page:

- [Comodo Dragon Logging Policies](#)

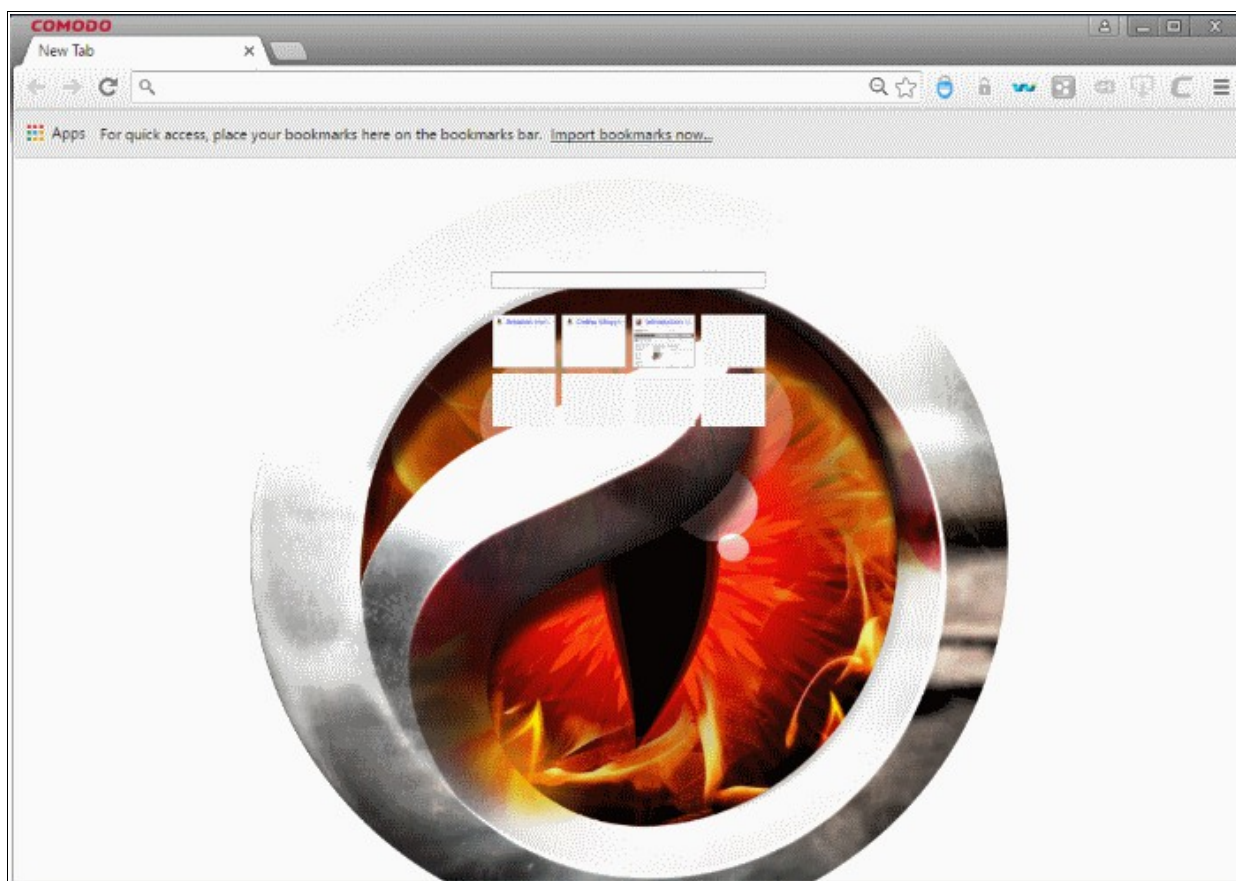
## 4.7. Re-opening Most Visited and Recently Closed Websites

You can reopen an accidentally closed page even if you have not bookmarked the page. To view the page again, then you can use the 'Most visited' feature. This will display a thumbnail list of your most recently visited pages so you can quickly re-open them.

### To open most visited and recently closed websites in Comodo Dragon


- Click the new tab  button, which is next to the last tab.

A new tab page will open and you can see thumbnails of most visited sites in the center.



Select 'Reopen closed tab', by right clicking on an opened tab.

Comodo Dragon remembers your preference and opens 'Most visited' section when you open a new tab page.

- Click the menu  located at the top-right corner.
- Select the 'Recent Tabs' from menu, beneath Bookmarks. The frequently visited websites will be displayed.


Further reading related to the topic of this page:

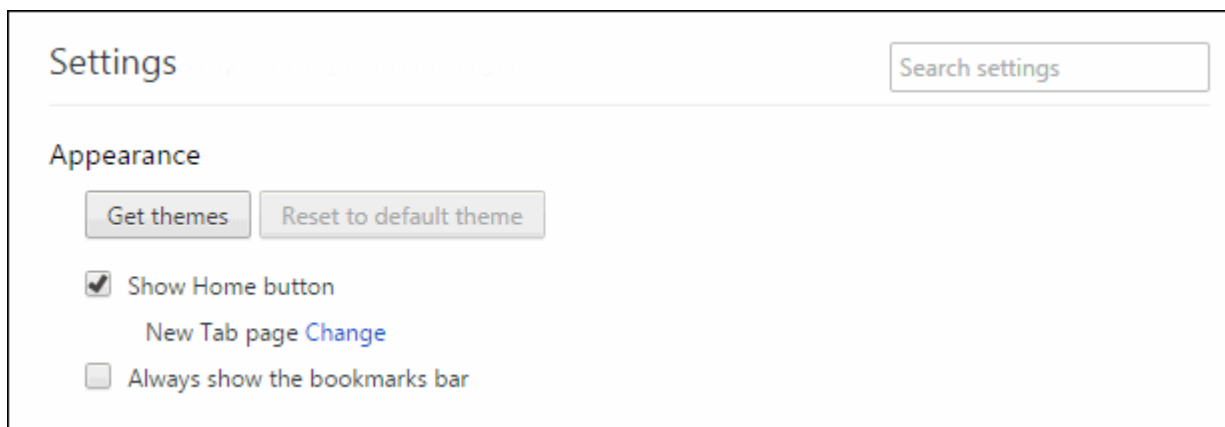
- [Opening a New Tab Page](#)
- [Customizing Your New Tab Page](#)

## 4.8. Adding Home Button to the Toolbar

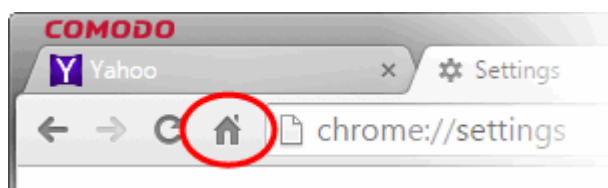
The Home page button added to the toolbar in Comodo Dragon, allows you to quickly navigate to the home page.

**To add the home button to the toolbar**

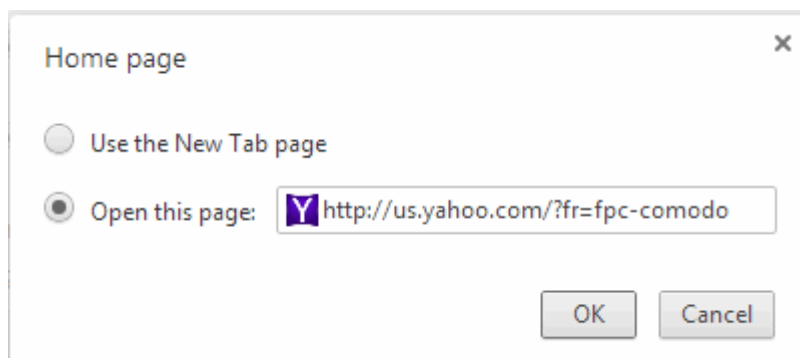
- Click the menu  located at the top-right corner.
- Select 'Settings' from the menu.
- Check 'Show Home' option in Appearance under settings.




- Home button is now added to the browser toolbar.



- To set your homepage, click the 'Change' link and choose 'Use the New Tab page'.
- Choose 'Open this page' option to set your Homepage.



## To add themes

- Click the menu  located at the top-right corner
- Go to Settings and choose Appearance , click 'Get themes'
- You will be directed to the Web store gallery
- Preview different themes and click 'Free'
- The theme is downloaded as a .crx file to your computer. The theme will be applied immediately.
- Click 'Undo' at the top of a page to return to the previous theme
- To remove a theme in the 'Appearance' section, click 'Reset to default theme'


Further reading related to the topic of this page:

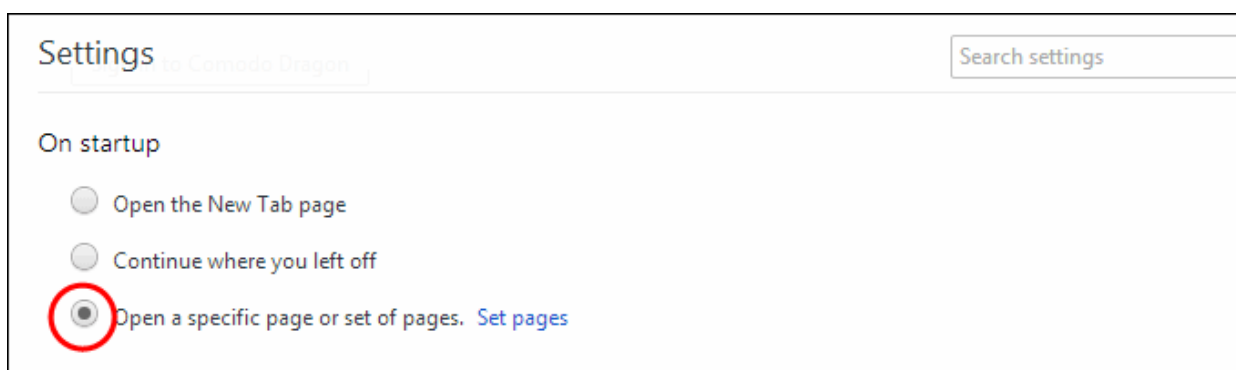
- [Opening a New Tab Page](#)
- [Customizing Your New Tab Page](#)
- [Setting up Your Homepage in Comodo Dragon](#)

## 4.9. Opening Preset Pages on Startup

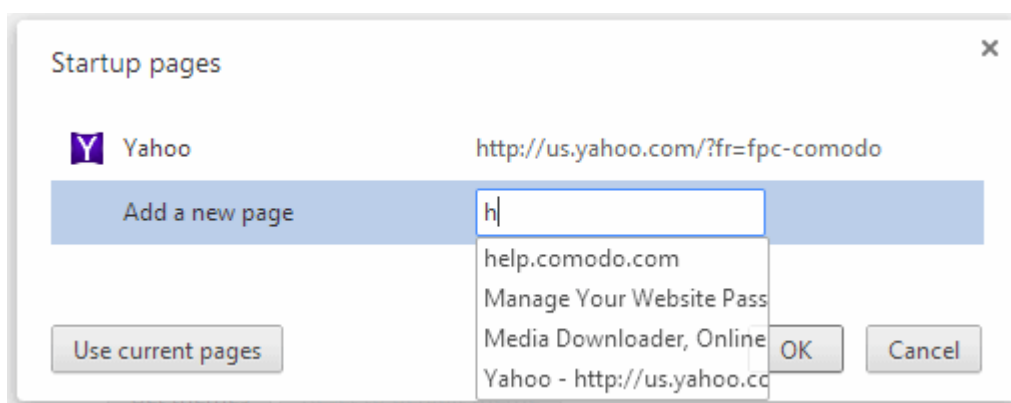
You can configure Comodo Dragon to open your favorite webpages in different tabs on startup.

### To open preset pages on startup

- Click the menu  located at the top-right corner.
- Select 'Settings' from the menu.



- Select the 'Set pages' link, from the 'On startup' section,



- To add the pages that are currently open in the browser, click 'Use Current pages'.
- Click 'Add a new page' and select the pages that you want to open on startup in the 'Add Page' dialog or type the web address of the web-page in the URL box.

Further reading related to the topic of this page:


- [Setting up Your Homepage in Comodo Dragon](#)

## 4.10. Viewing Browsing History

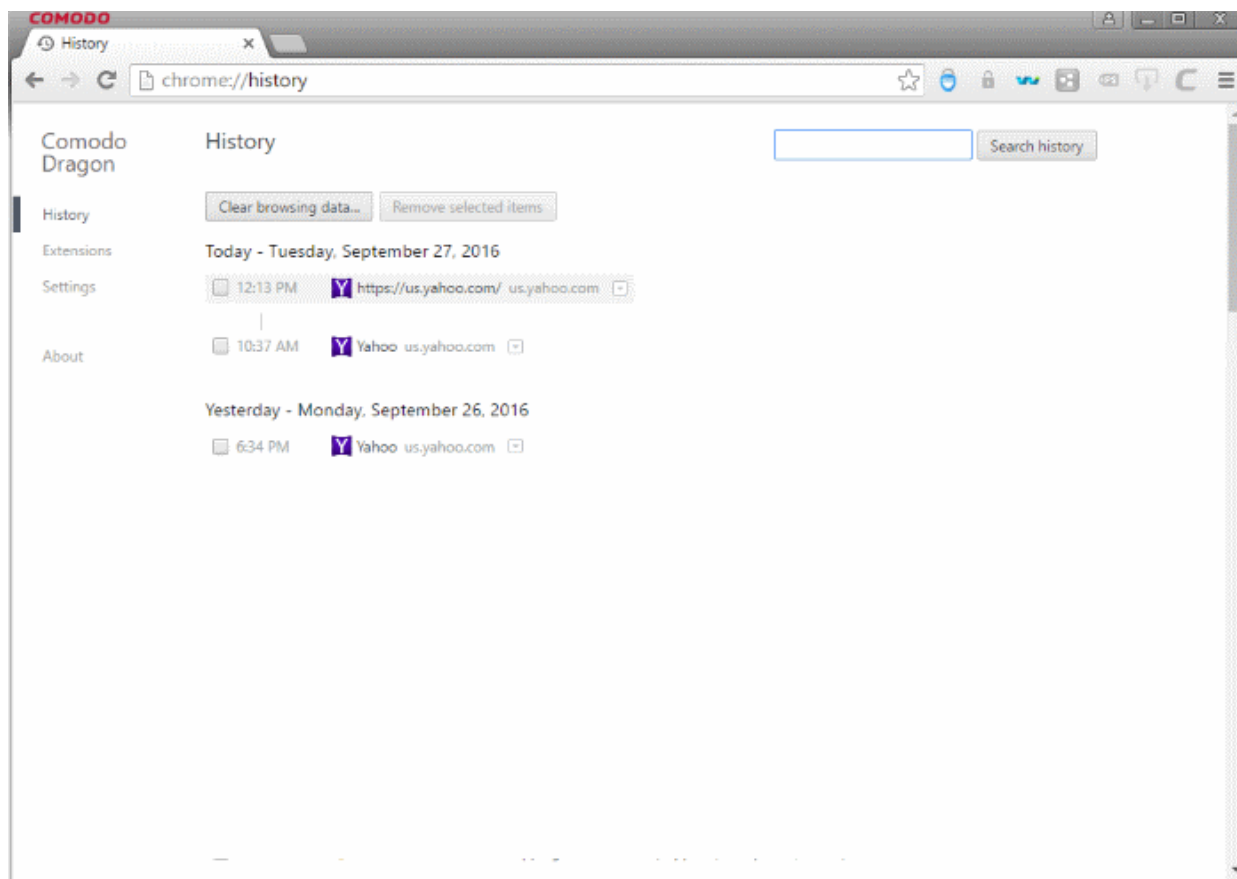
Comodo Dragon will store the list of websites that you have visited in the past 10 weeks.

**Note:** The history will be stored when Comodo Dragon is used in standard mode and not in incognito mode. Also it will not store pages from secure websites.

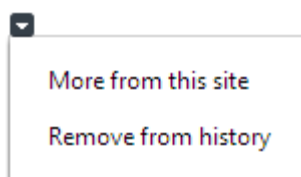
### To view your browsing history

- Click the menu  located at the top-right corner.

- Select 'History' from the menu.



The history page will open in a new tab. From here you can clear all browsing data or delete only selected items. You can also view the pages that you have visited in your present browsing session by clicking and holding down the forward and backward arrows adjacent to the address bar, hover over a result to show the check-boxes, can select multiple items by holding down 'Shift' button or use the 'Actions' context menu on the right to search more visited links from that site or remove from history the single entry.




Further reading related to the topic of this page:

- [Deleting Browsing History](#)
- [Opening a New Tab Page](#)

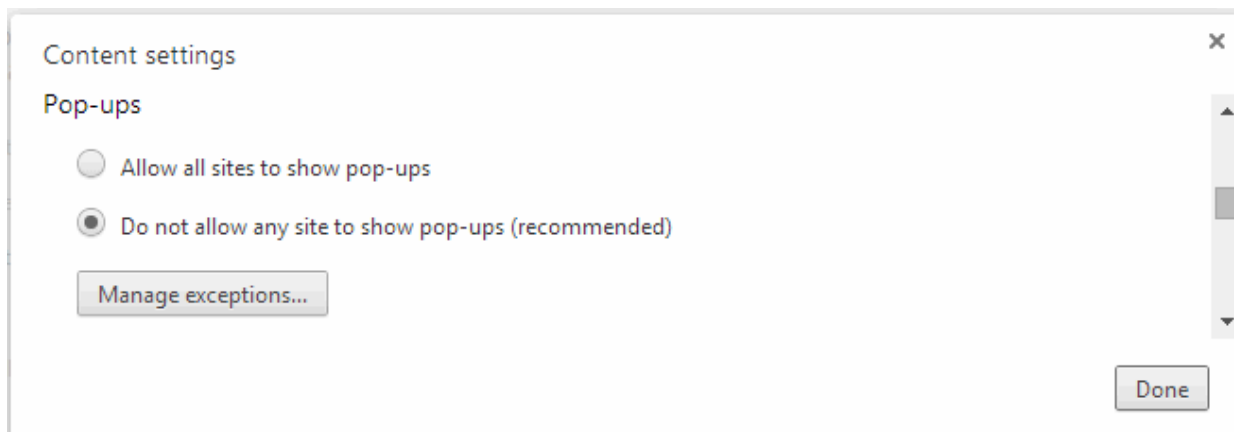
## 4.11. Configuring Pop-ups

You can configure Comodo Dragon to block, allow or selectively allow pop-ups. You can see the icon in the top right side of the address bar of the browser whenever a pop-up for a site is blocked.

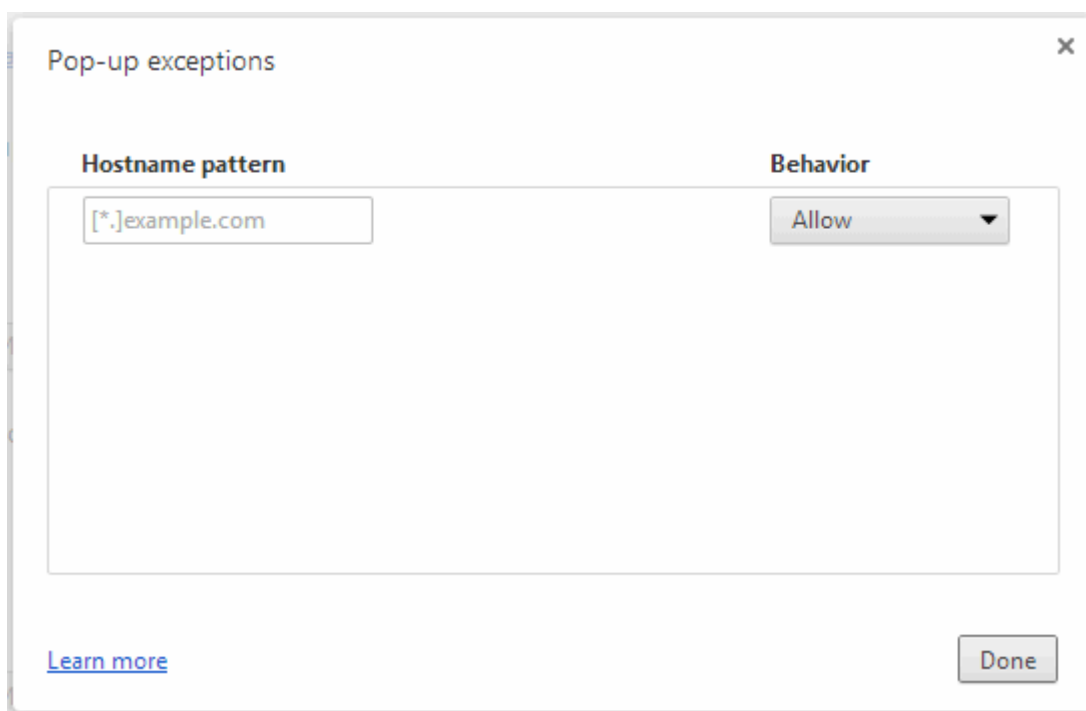
**To configure pop-ups**

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu and choose Show advanced settings link
- Go to 'Privacy' section.

- Click 'Content settings' in the Privacy section.
- Select 'Pop-ups' from the list of features in the 'Content Settings' dialog.

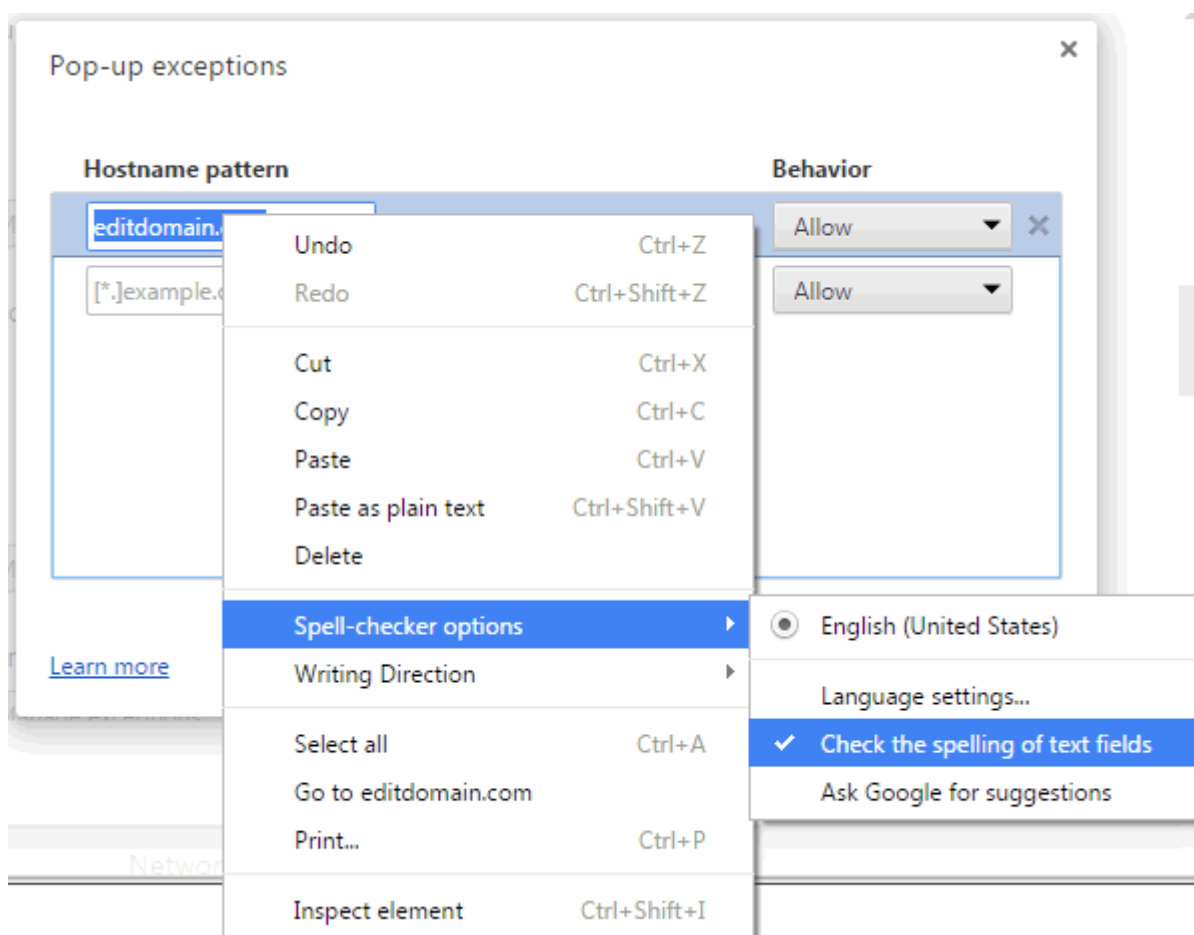


- Enter the web address of the web-page in the 'Pattern' text box.
- Select 'Allow' or 'Block' in the Action drop-down box.
- Close the dialog.

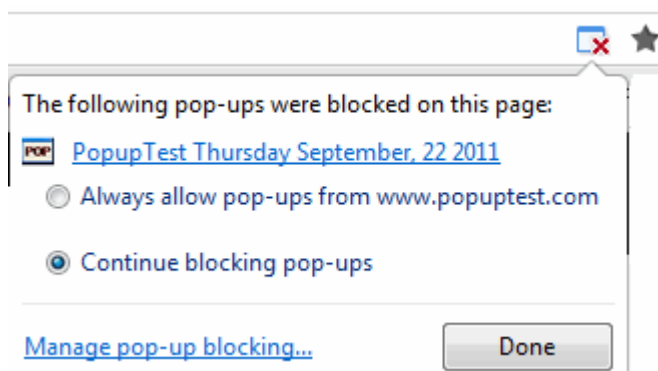


You will be able to view the website added to the list of pop-up exceptions. Right clicking on any website in this list opens a context menu which allows you to add or remove websites and specify other settings such as spell-checker options.






You can also view the list of pop-ups that were blocked by clicking the  icon in the address bar.

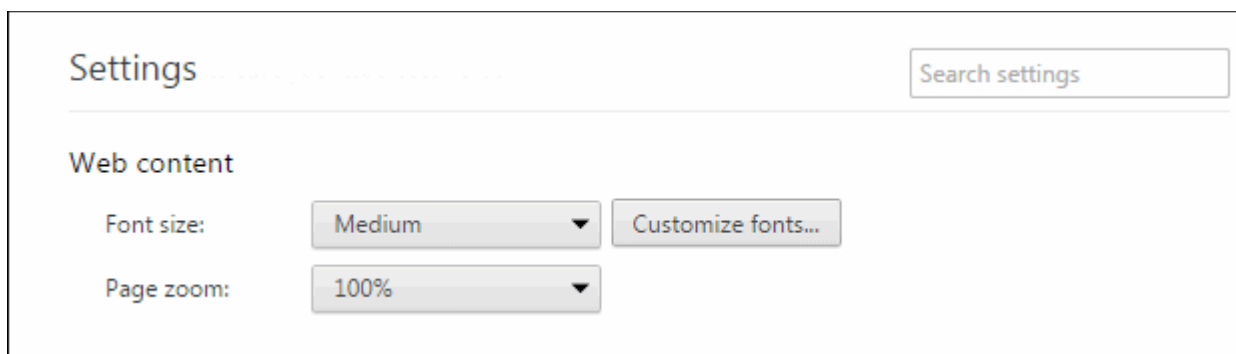


In the list that is displayed, you can view the pop-up window by clicking on it. Select the 'Always allow pop-ups from <webpage name>' for unrestricted view of all pop-ups from that particular website. It will be automatically added to the exception list. Click the 'Manage pop-up blocking' link to access the 'Content Settings' dialog.

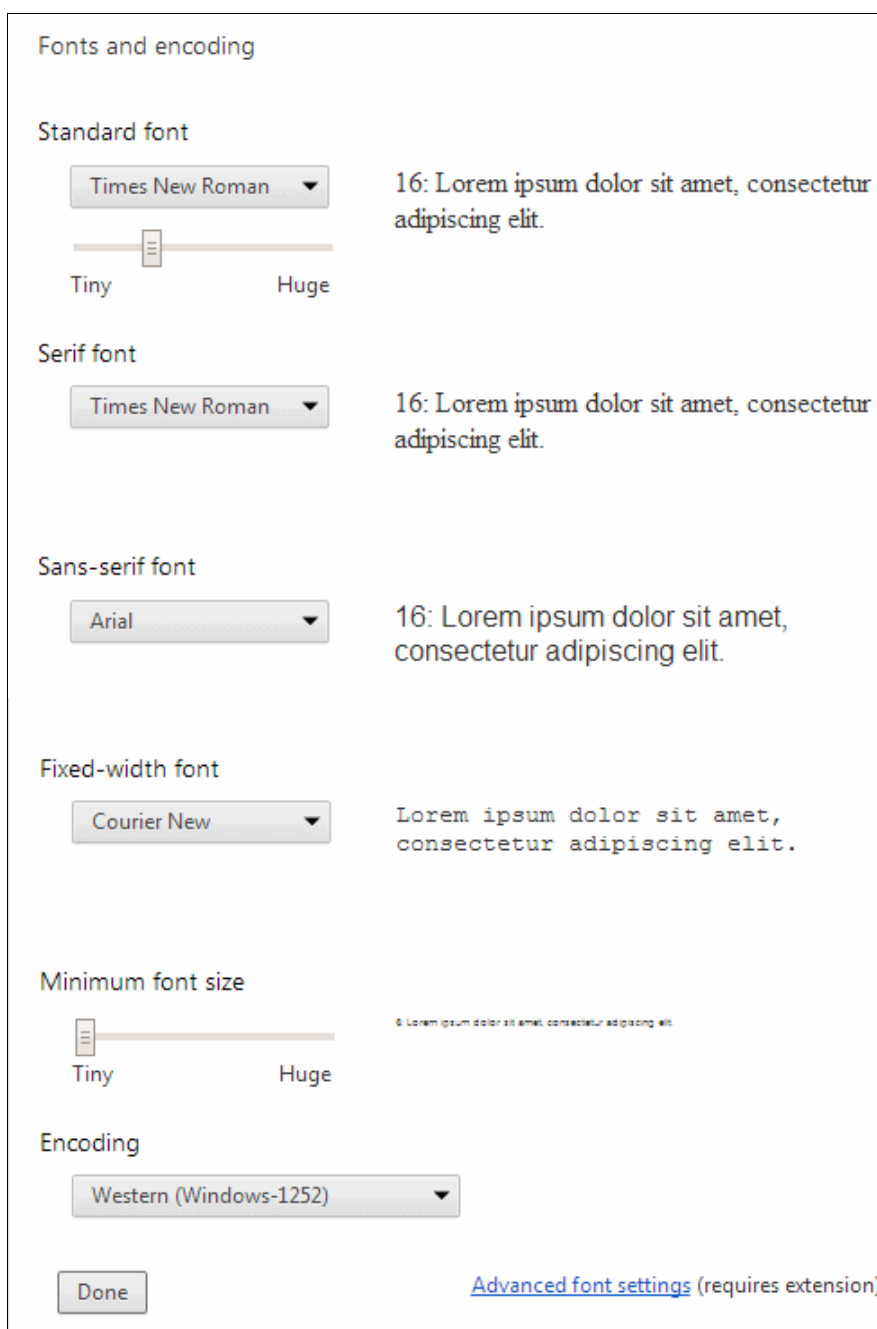
## 4.12. Setting Browser Language, Fonts and Encoding


Comodo Dragon allows you to configure the font and language that is displayed in the browser.

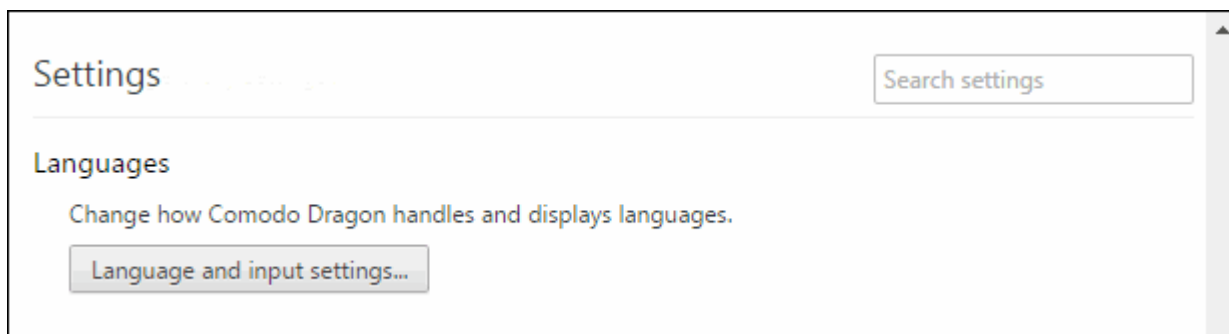
- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu and choose "Show advanced settings' link.
- Click 'Customize fonts...'.from the 'Web Content' section.



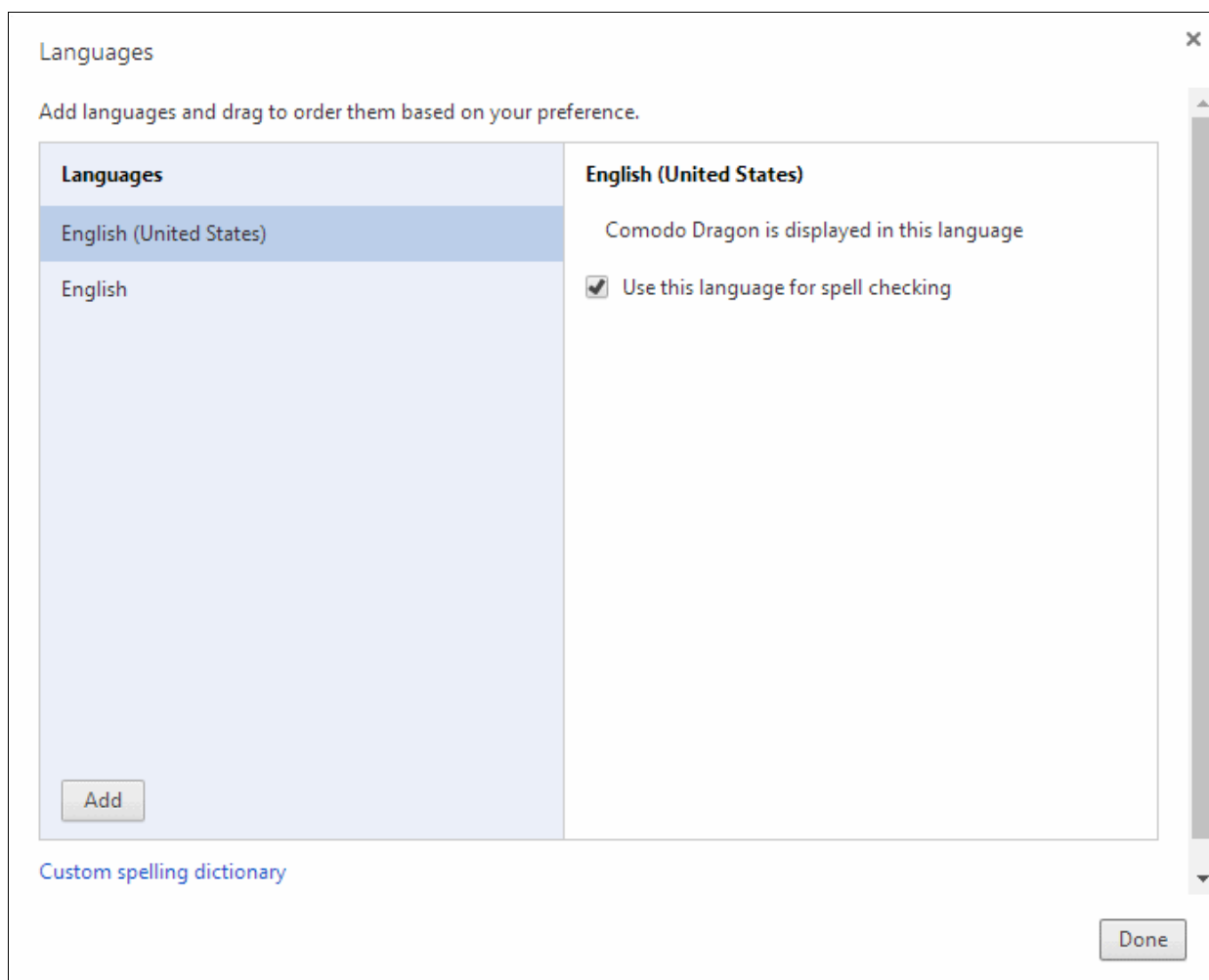
The 'Fonts and Encoding' dialog will be displayed.



- In the 'Fonts and Encoding' dialog, select the font and encoding settings that you want the browser to display. Please note that the text in the website may not be displayed correctly, if the default encoding is not compatible with the one that is required by the website.
- Click 'Advanced font setting' to customize font settings for different language scripts. You will be navigated to Google web store.
- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu and choose "Show advanced settings" link.



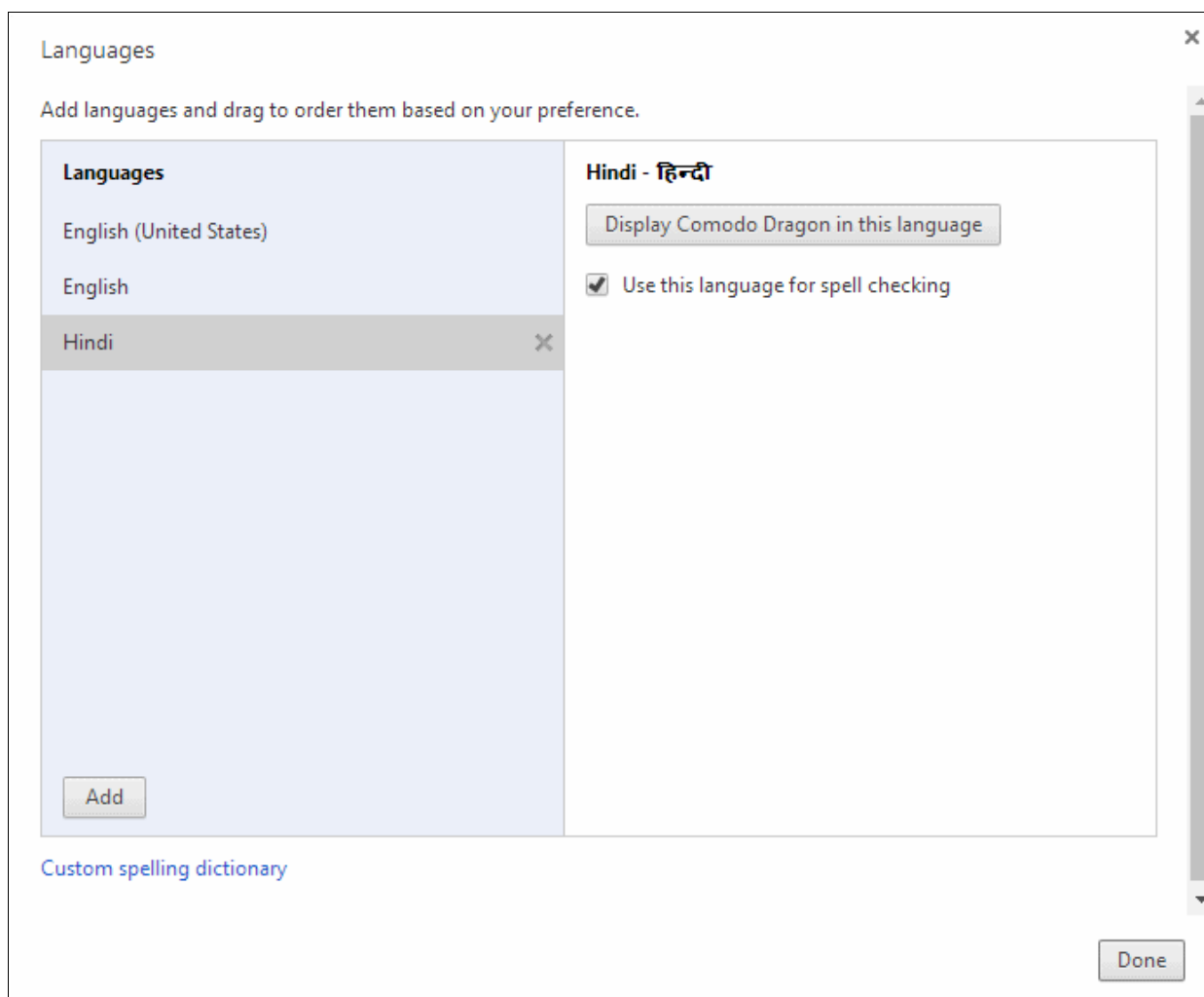
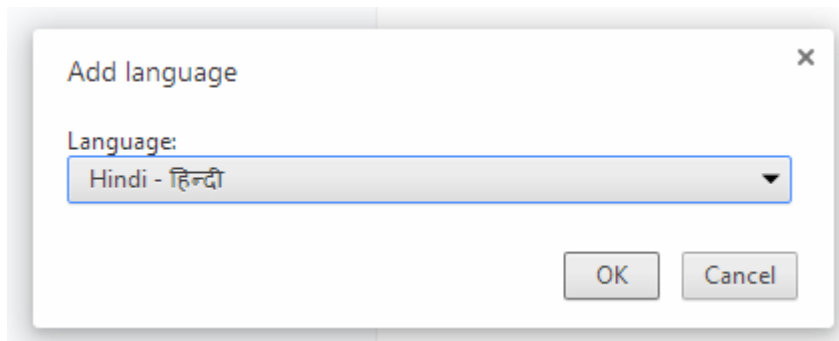
- Click 'Languages and input settings' button in the 'Languages' section to set the language that you want the browser to display.



**Note:** Comodo Dragon translates the browser content other web content to selected language but the browser

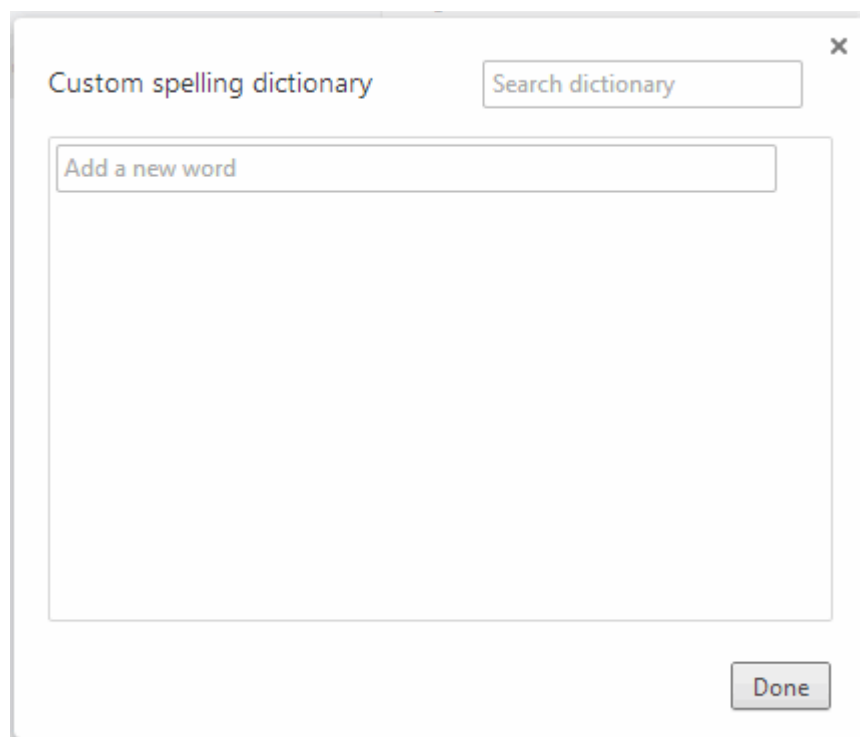
content to English while it can translate vice versa.

- The 'Languages' dialog will be displayed and choose your preferred language to be used for spell check.
- By default the Comodo Dragon language is English (United States). Select your preferred language from the drop-down.



- Click 'Add' to include the languages that you would prefer .
- You can remove language as well by clicking the cross mark that is parallel to the name of language.
- The browser displays its content in selected language.
- To revert to default language, you need to select the default language and check the option 'Use this language for spell checking'

When 'Enable spell checking' is on you can add a new word to the dictionary. Click the 'Custom spelling dictionary' link in the bottom of the interface. The 'Custom spelling dictionary' window will be displayed.

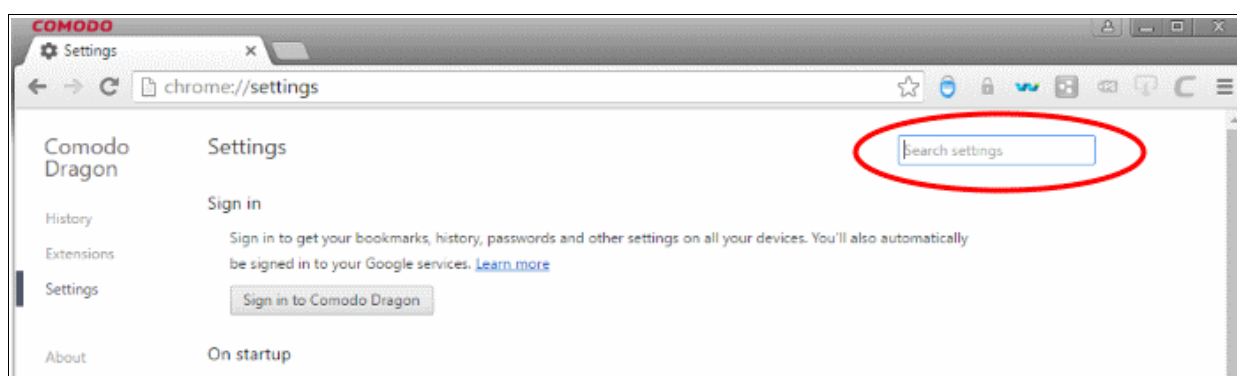


To check spelling for added word, you can enter a new word in a web interface like yahoo search field to compare with those added in your dictionary in future.


- Click 'Done' to apply the settings.

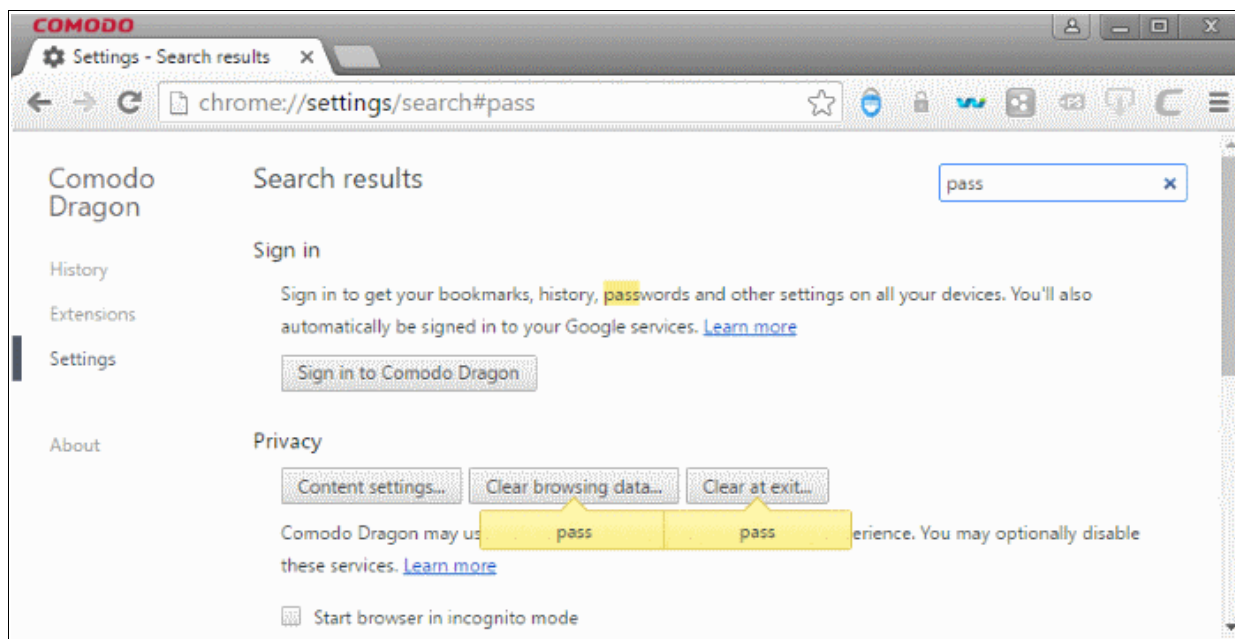
## 4.13. Search for Important Browser Settings

If you are not aware of the where your desired settings need to be modified, then Dragon settings search box allows you to type keywords and instantly see the relevant settings in the right hand pane.



### To access the settings search box

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu.
- The settings page will be displayed. The settings search box is located at the top right hand side of the browser.
- Type any keyword in the search box and you will be instantly presented with the relevant controls in the right pane.




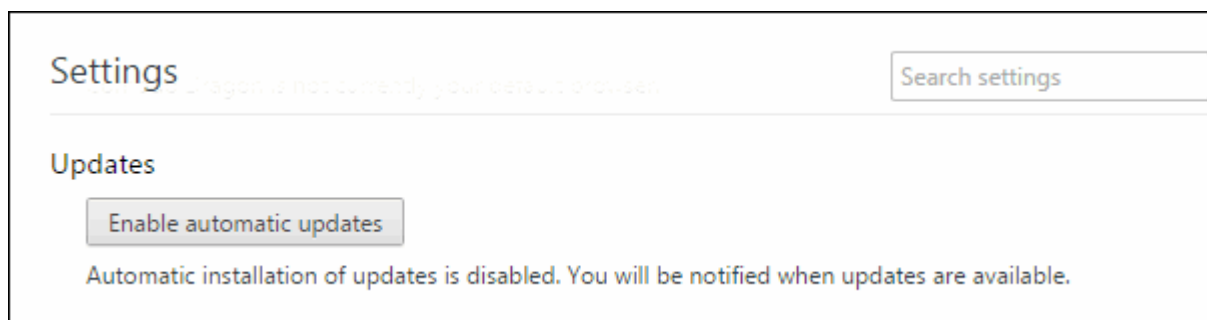
For example, if you want to know how to manage passwords, you could simply type 'passwords' in the search box. Every Dragon setting related to passwords will be collected and shown on the right. You can review and modify the required settings right away.

## 4.14. Configuring Dragon Updates

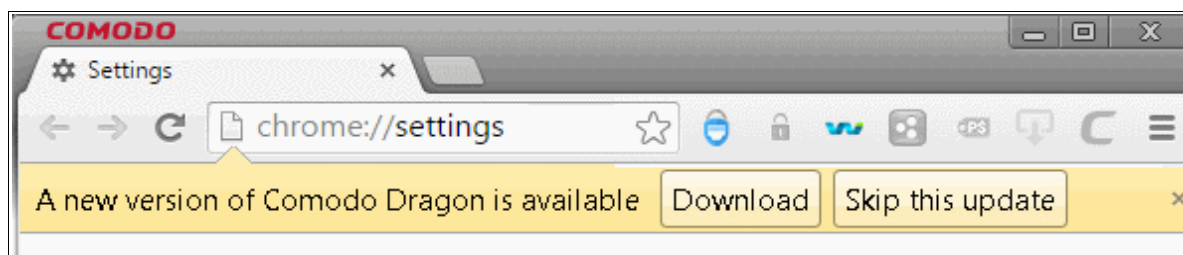
To make sure your browser is protected by the latest security updates, Comodo Dragon automatically/manually updates whenever it detects the latest version.

### To configure updates

- Navigate to the menu  button located at the top-right corner.
- Select 'Settings' from the menu.



If automatic updates are disabled then Dragon will not automatically install updates. Instead, you will be alerted when updates are available via the yellow notification bar.




Click 'Download' to install the update. Clicking 'Skip this update' will, not install the update and will stop the yellow notification bar from appearing every time Dragon launches (for the duration that this particular update is available). It will reappear, however, when the next update after that is available.

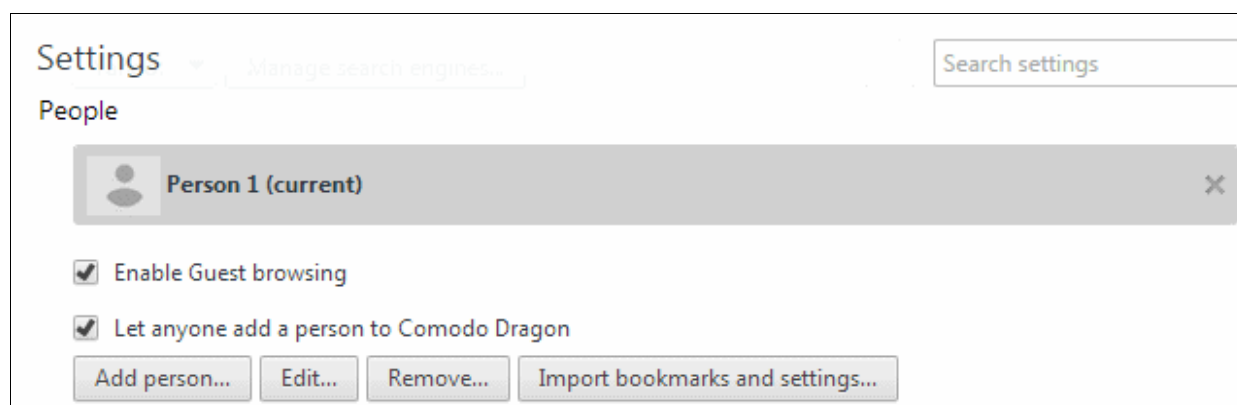
## 4.15. Import Settings From Another Browser

Users can import Favourites/Bookmarks, saved passwords, search engines, browsing history and autofill form data into Dragon from the following browsers:

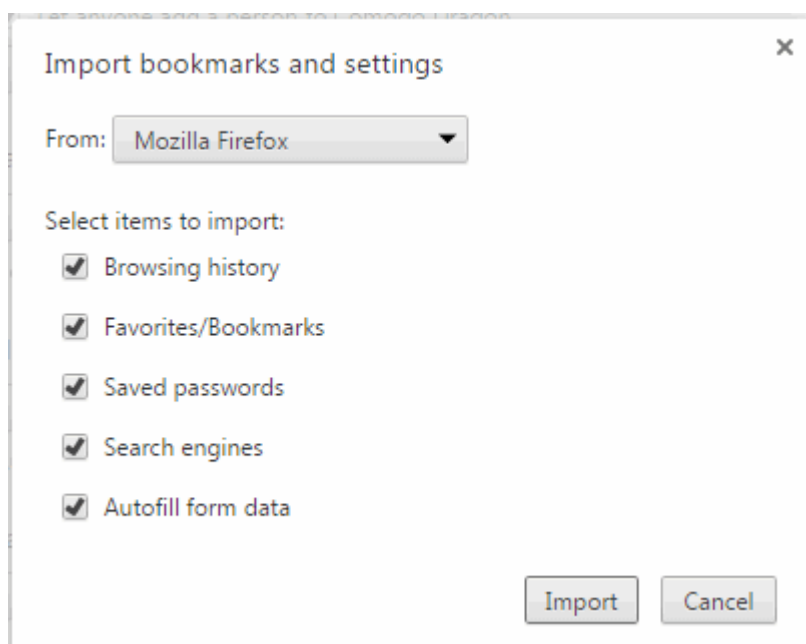
- Mozilla FireFox
- Microsoft Internet Explorer
- Chromodo
- Google Chrome
- Bookmarks HTML File

### To import data

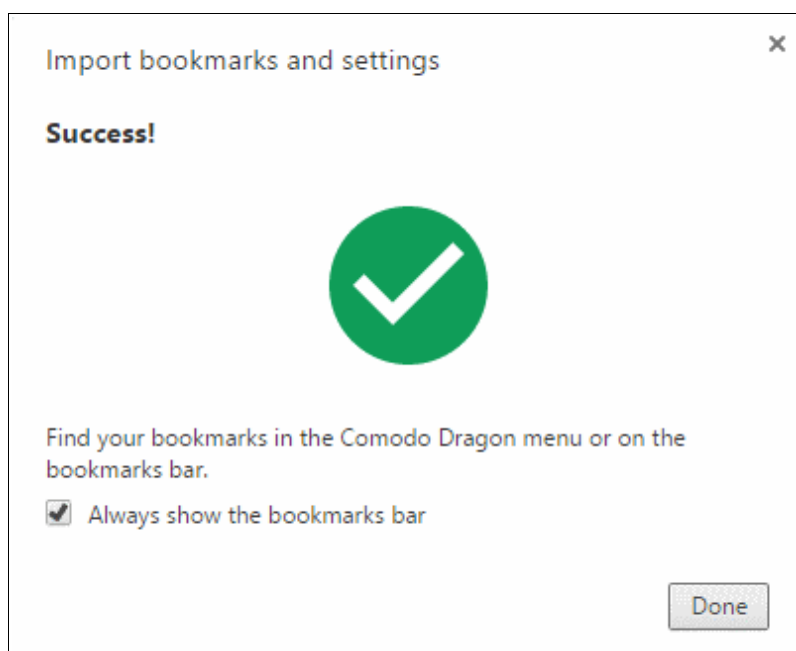
- Click the menu  button located at the top-right corner.
- Select Settings and choose 'People' section.
- Click 'Import bookmark and settings' button.



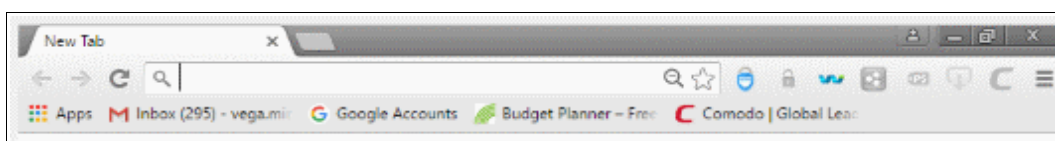
- Alternatively, click the 'Import bookmarks now' link on the Toolbar
- The 'Import bookmarks and settings' dialog will appear.
- Choose the browser from which you would like to import.
- Select the types of settings you wish to import.



- Click 'Import', a confirmation about successful importing process will be displayed.



- Click 'Done'.
- Imported bookmarks appear as a sub-folder within the "Other bookmarks" folder at the end of the bookmarks bar.



## 4.16. Managing Website Passwords

Comodo Dragon allows you to save login data for your favorite websites so you can automatically sign in without having to manually enter your username/password. This saves you from having to rely upon your memory or from




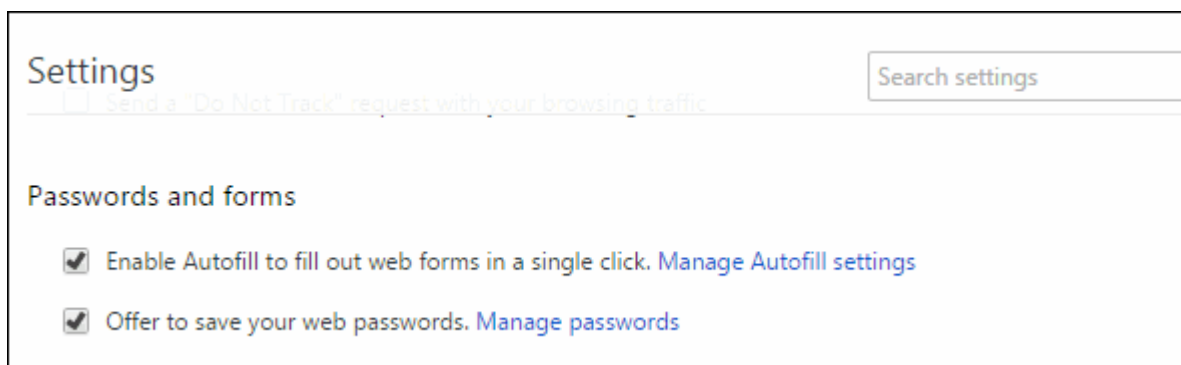
storing passwords on insecure media like post-it notes which can be lost or stolen. All saved passwords are securely stored in your Dragon user profile.

- [Accessing password and form settings](#)
- [Manage automatic password settings](#)

**Note:** Your passwords, along with your other personal Dragon settings, can be synced with your Google account. This allows you to easily retrieve and use these settings on other computers that you are using.

## Accessing password settings

- Click the menu  button located at the top-right corner.
- Click Settings and choose 'Show advanced settings' link.




## Manage automatic password settings

- In the "Passwords and forms" section
- Uncheck checkbox "Offer to save your web passwords" if you want Dragon to prompt you to save your password every time you sign in to a new website.

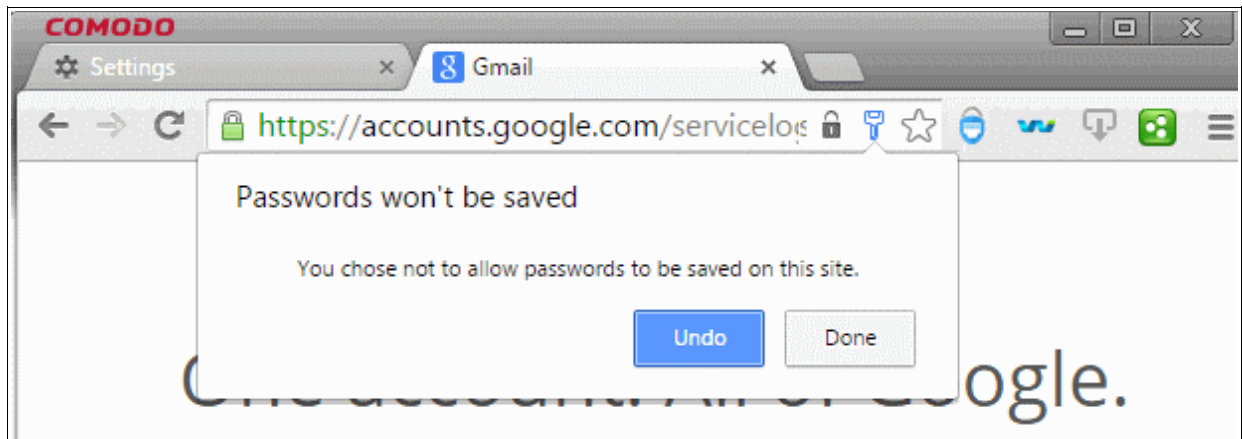
If you let Dragon save your website passwords, you'll see a prompt every time you sign in to a new website. If you click 'Never for this site' in the prompt, your password for the site is not saved and the site is added to a list of passwords that are never saved.

### To edit the 'Never saved' list:


- Click the menu  located at the top-right corner.
- Select Settings and choose 'Show advanced settings' link.
- Click 'Manage passwords' button.
- In the 'Passwords' dialog, go to the "Never saved" section.

To remove a site from this list, select a site and click the 'X' that appears the end of the row.

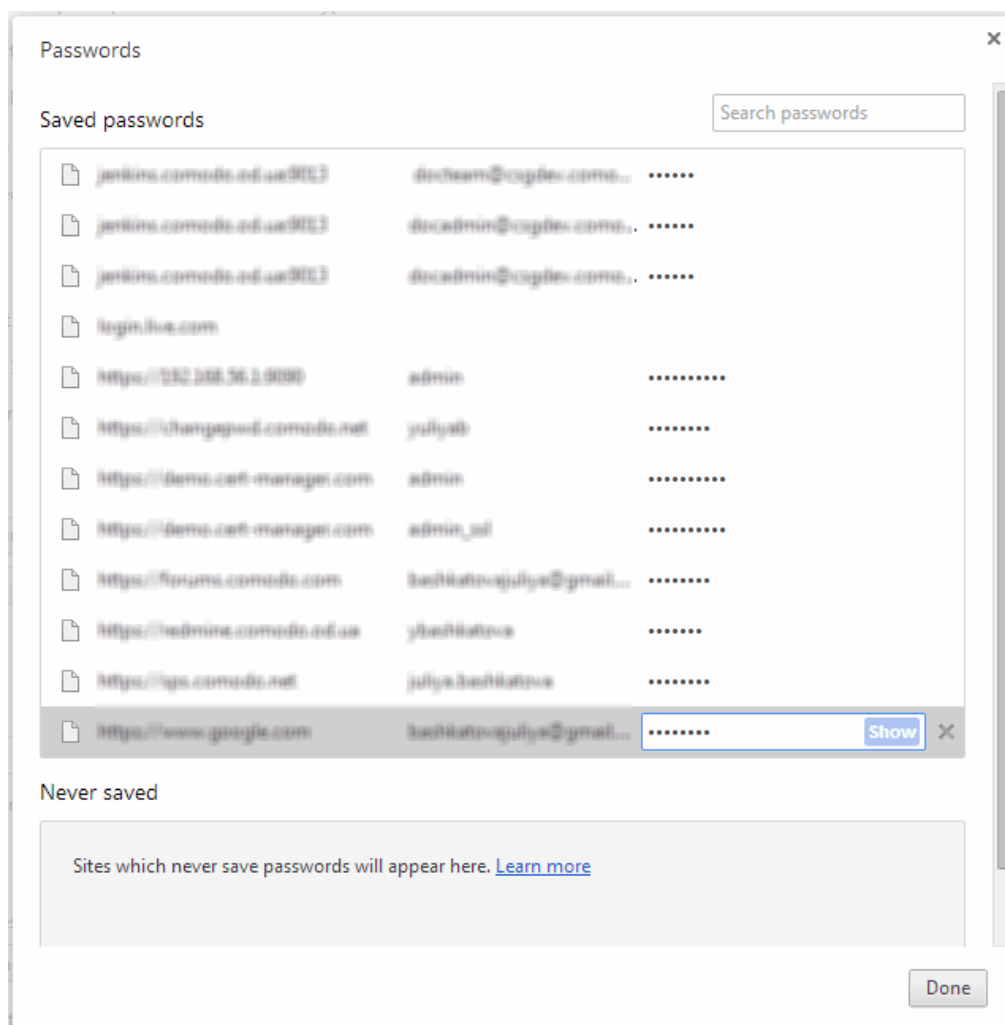
Now revisit the website and you should see the prompt to save your password information again, if you've allowed Google Chrome to show the prompt.



## Delete saved passwords

- Click the menu  located at the top-right corner.
- Select Settings and choose Click 'Show advanced settings' link.
- Click 'Manage saved passwords' button in the "Passwords and forms" section to see a list of all the usernames and passwords that have been saved.

In the Passwords dialog that appears, use your mouse to hover over the site whose password you'd like to remove and click the 'X' that is displayed on the right.



## 5. Tabbed Browsing

This section briefs you on how to open a new tab page, the appearance of the page and how you can customize the page. Comodo Dragon allows you to move around the thumbnails or rearrange the tabs as you wish. Click the following links to know more:

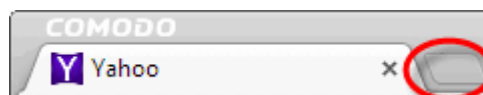
- [Opening a New Tab Page](#)
- [Customizing App Launcher Page](#)
- [Rearranging Tabs](#)
- [Closing Tabs, Windows and Comodo Dragon](#)
- [Hiding/Displaying an Application Mark on Toolbar](#)
- [Creating Desktop Shortcuts for Your Web Applications](#)

### 5.1. Opening a New Tab Page

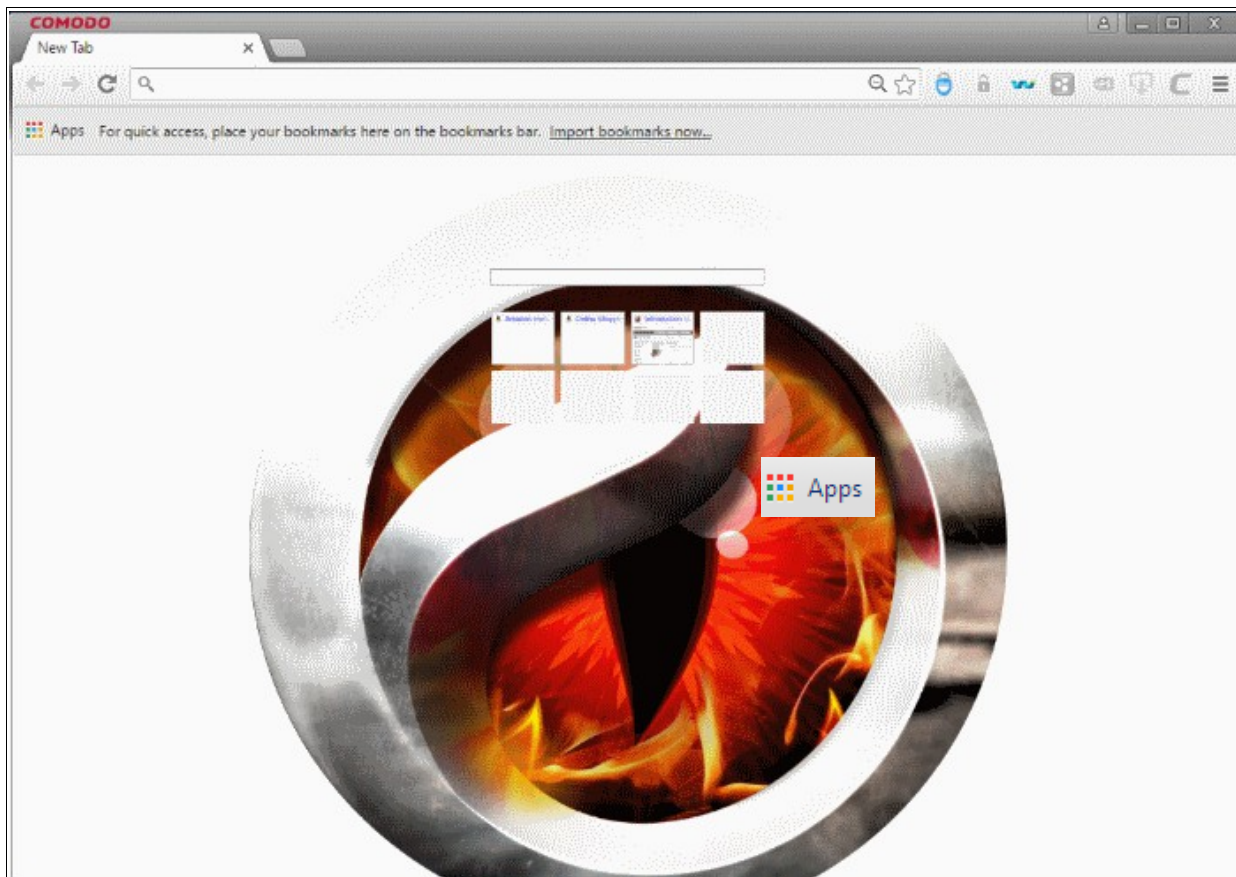
Comodo Dragon allows you to browse in multiple tabs.

To open new tab page


- Click the new tab  icon, which is next to the last tab.

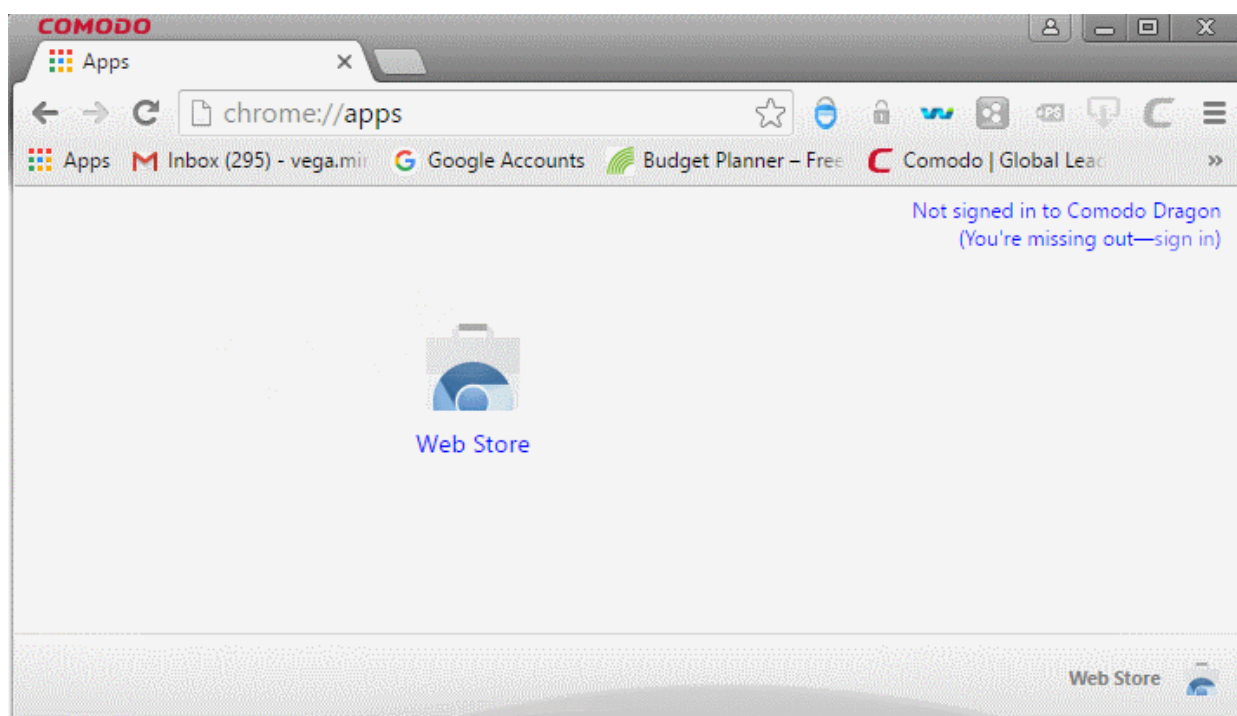


A new tab page will open and you can see thumbnails of most visited sites in the center.



The 'Search' box located under the thumbnails allows you to type and see your query appear in the omnibox or enter a URL to navigate to a webpage.

- To visit a site, click a thumbnail.
- To remove a most visited site, hover your mouse over the thumbnail, and click the 'X' icon in the upper right corner of the thumbnail.
- To quickly open your most recently visited site in a new window, press **Ctrl+Shift+T**
- The 'Bookmarks' bar at the top displays your favorite webpages. To enable the bookmarks bar, click the Dragon browser menu > Bookmarks > enable 'Show bookmarks bar' .
- You can view installed 'Apps' by clicking the apps  button located at the top-left:



- If you cannot see any apps, click the back button to return to the 'New Tab' page. Then right-click on the bookmark bar and make sure the 'Show apps' shortcut is enabled.

Comodo Dragon remembers your preference and opens the 'Most visited' section or 'Apps' section when you open a new tab page or click the 'Show apps' button.

Further reading related to the topic of this page:

- [Customizing App Launcher Page](#)

## 5.2. Customizing App Launcher Page

You can customize the new tab page by moving around the Apps thumbnails within the section. The thumbnails can be deleted and moved around in one place.

### To rename a section

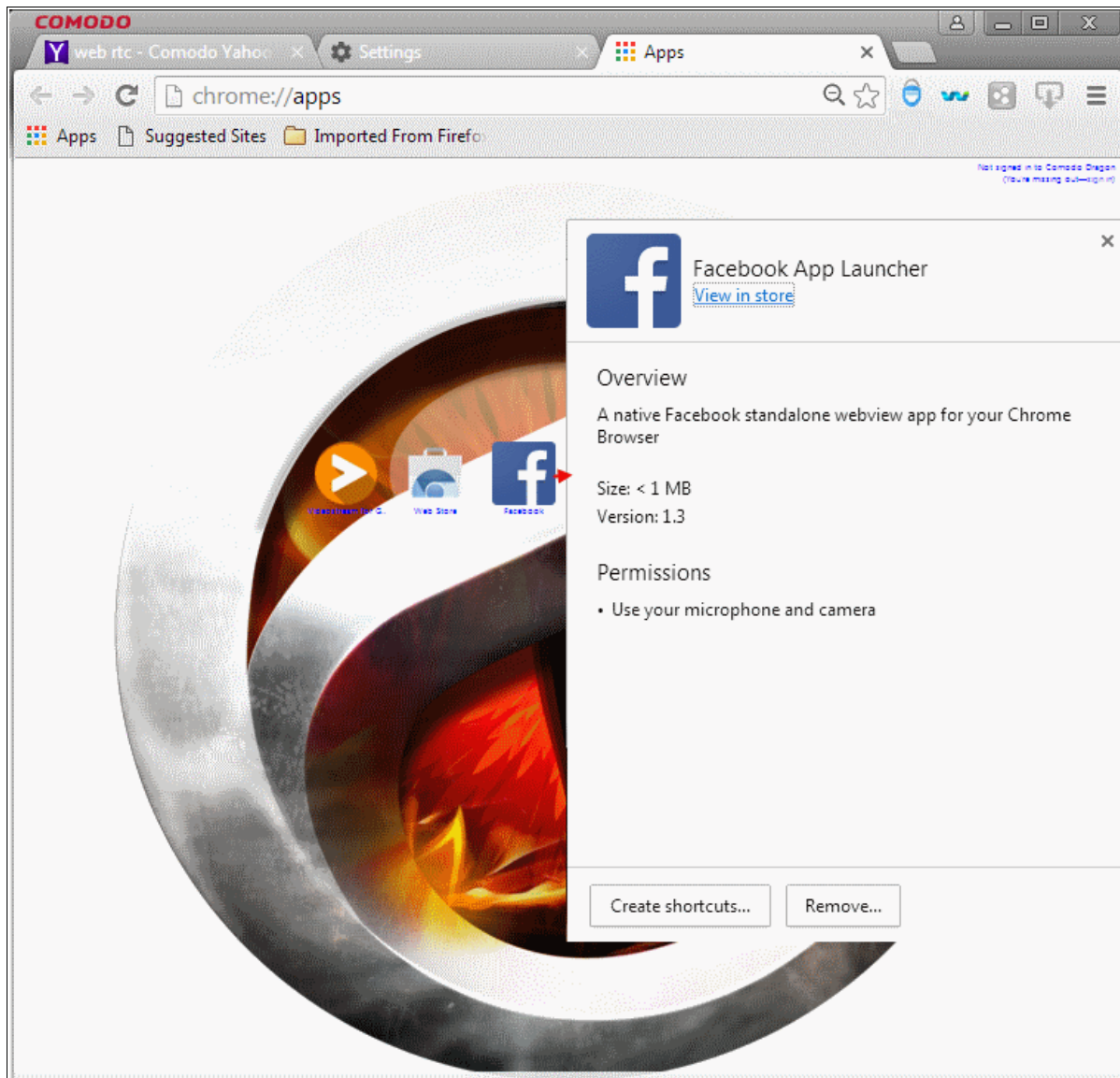
- Click and drop an app thumbnail to the bottom of the web browser.
- Double-click on the section that you want to rename.



- The label becomes editable for you to rename.

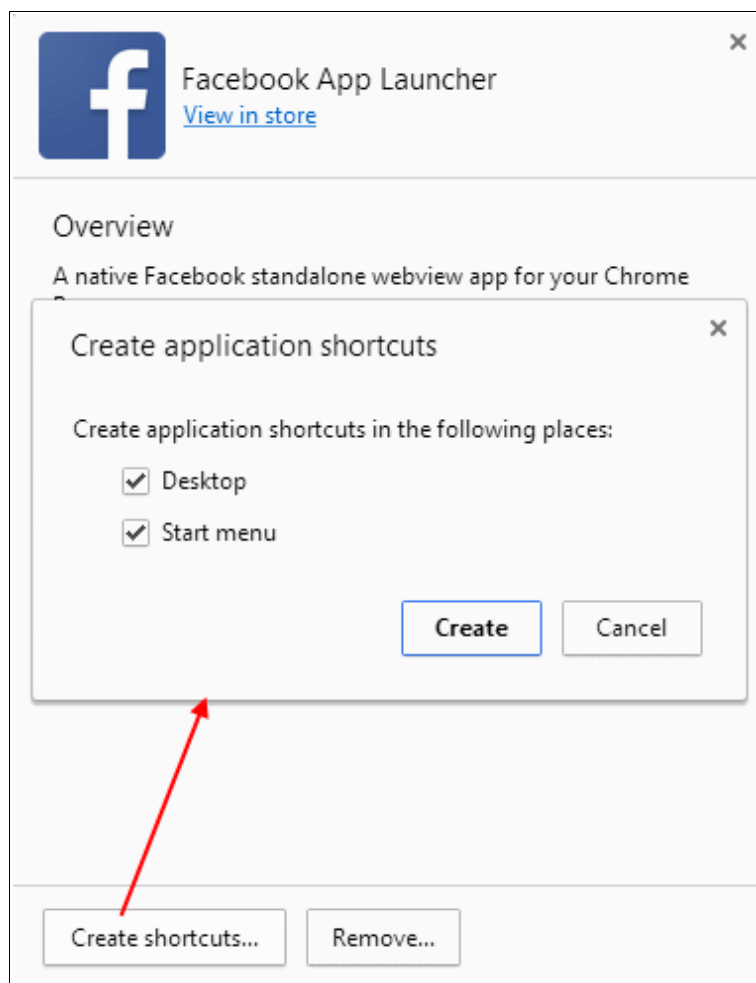
### To view app information

- Right click on the App thumbnail.
- Click 'App info'.



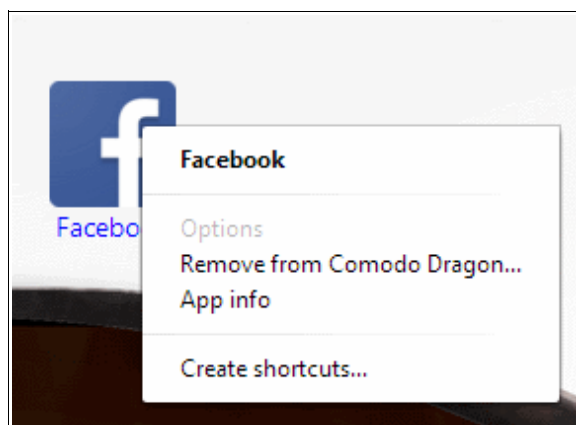
## To create short cut for apps

- Right click on the App thumbnail
- Click 'App info'
- Click 'Create shortcuts'
- Create application shortcut is displayed
- Click 'Create'

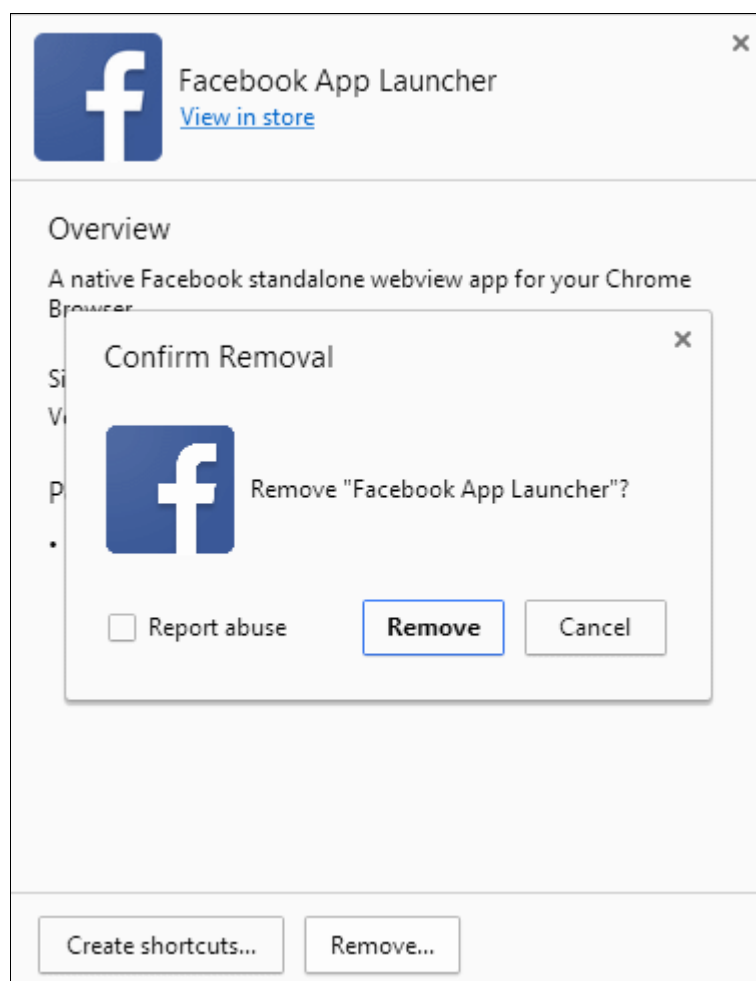


## To remove an App

- Right-click on the App thumbnail that you want to uninstall and click 'Remove from Comodo Dragon' from the context-sensitive menu.
- A 'Confirm Removal' dialog will appear.
- Click 'Remove' to confirm your choice.



- Alternately, click 'Remove' from app info dialogue.



- The app info displays a confirmation of app removal.
- Alternatively, click and drag the app that you want to remove.
- You can see a 'Remove from Comodo Dragon' trash can appear on the lower right corner of the web browser.
- Drop the thumbnail in the trash can.



## To remove a most visited sites



- Hover the mouse cursor on the thumbnail that you want to remove and click on the 'X' that appears in the top right corner.

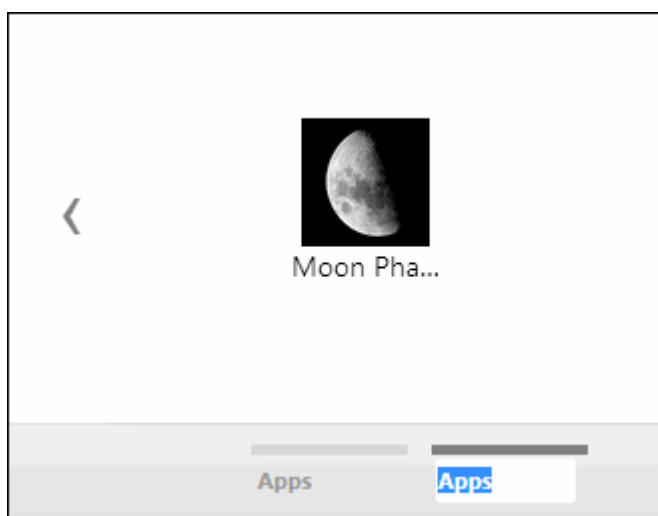


The thumbnail is now deleted from the page.

#### To create a new section

- Click and drop an app thumbnail to the bottom of the web browser.

You can see a new section link appearing next to the existing sections.



- Drop the app into the new section.
- Double-click on the new section to name it.

#### To reset a page to show blank thumbnails

You have to clear the browsing history in the tools menu to reset a new tab page to show blank thumbnails. [Click here](#) to know on how to clear the browsing history.

**Note:** The default webpage thumbnails will not change even the browsing history is cleared.

## 5.3. Rearranging Tabs

Comodo Dragon allows you to rearrange tabs or pull out a tab to open in a new window. You can also dock a new

window into another Comodo Dragon window as another tab.

- Just click and hold a tab and move to another position in the same window.
- To open a tab in a new window, click and drag a tab and release it in the page.
- Click and drag a tab in a window and dock it into another window as a tab.

### To restore a tab or a window

You can recover a tab or window that you have closed in the 'Recently closed' section on customize and control Comodo Dragon menu.

### To pin a tab

- Right-click on the tab that you want to prevent from being moved around and select 'Pin tab' from the context-sensitive menu. The tab will be pinned to the left of the browser window.

### Right-Click Options.

- Right-clicking on a tab opens context-sensitive menu:
  - **New Tab** - Opens a new tab page to the right of the browser window.
  - **Reload** - Refreshes the page.
  - **Duplicate** - Opens a duplicate page to the right of the browser window.
  - **Pin tab** - Pins the tab to left of the browser window.
  - **Close tab**- Closes the tab.
  - **Close other tabs** - Closes all other tabs.
  - **Close tabs to the right** - All tabs to the right of the browser will be closed.
  - **Reopen closed tab** - Reopens last closed tab in the same tab location of the browser window.
  - **Bookmark all tabs** - All tabs that are currently open in the browser will be bookmarked.

Further reading related to the topic of this page:


[Opening a New Tab Page](#)

[Customizing App Launcher Page](#)


## 5.4. Closing Tabs, Windows and Comodo Dragon

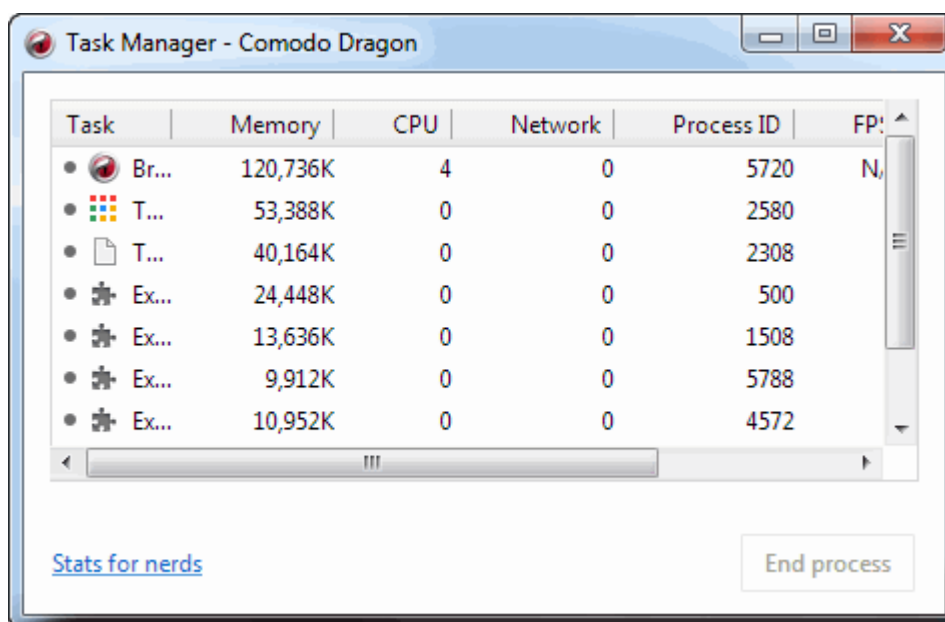
You can close a tab or a window in multiple ways.

### To close a tab, window or Comodo Dragon

- Click 'X' in the tab or use the keyboard shortcut CTRL+W to close a tab.
- Click 'X' in the corner of the window or use the keyboard shortcut Alt+F4 to close a window.
- Click the menu  button located at the top-right corner
- Click 'Exit' in the menu to close all tabs and windows of Comodo Dragon.

### To forcibly close an application or a web-page

- Click the menu  button located at the top-right corner
- Select 'More tools' from menu.
- Select 'Task manager'.



- Select the application or webpage that you want to close and click the 'End process' button.

The page of the affected tab will display a 'Aw, Snap!', Something went wrong while displaying this webpage' message.

**Note:** You can also use the keyboard shortcut Shift+Esc to open the 'Task Manager' dialog.

Further reading related to the topic of this page:

- [Viewing Task Manager](#)

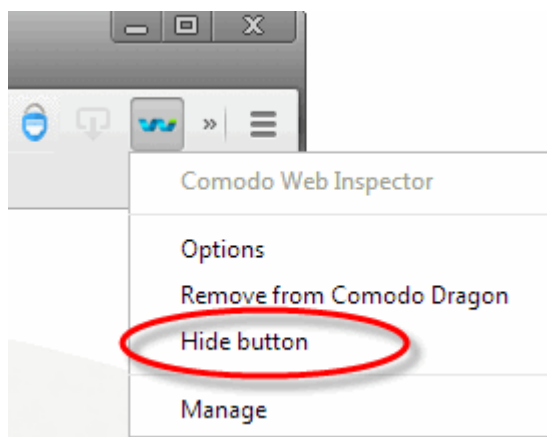
## 5.5. Display/Hide Application Buttons on the Toolbar

Users can manage extension specific settings directly from the extension's toolbar button. By default, Dragon automatically adds extension buttons to the toolbar.


- To hide an extension button, right-click on it and select 'Hide' button from the toolbar

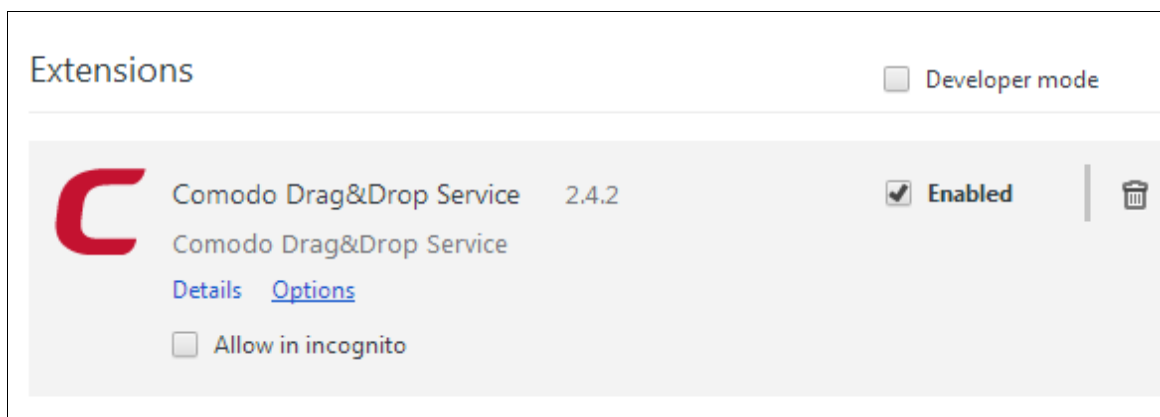
Or

- Open `chrome://extensions` and click 'Disable'.



To reinstate the button to the toolbar:

- Click the menu  button on the top right corner.
- Select 'More tools' > 'Extensions'.
- Find the extension you want and tick the 'Enabled' checkbox.



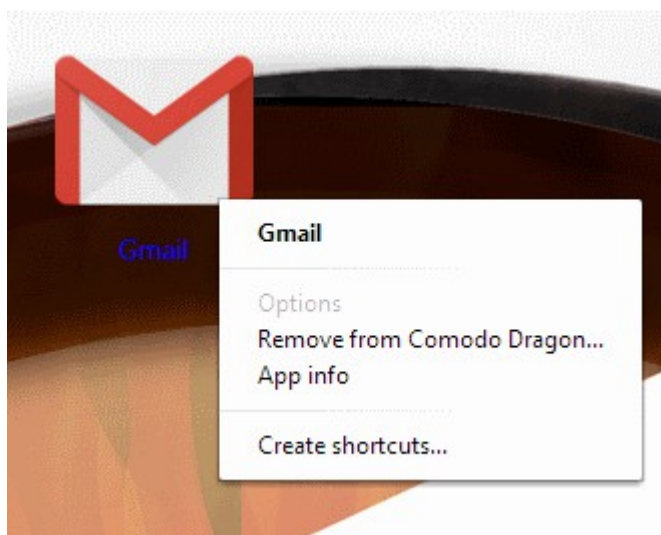
Right clicking on an extension button also allows you to manage extension specific settings such as (extension) 'Allow in incognito mode' and 'Options'.

## 5.6. Managing App Shortcuts for Desktop and Start Menu

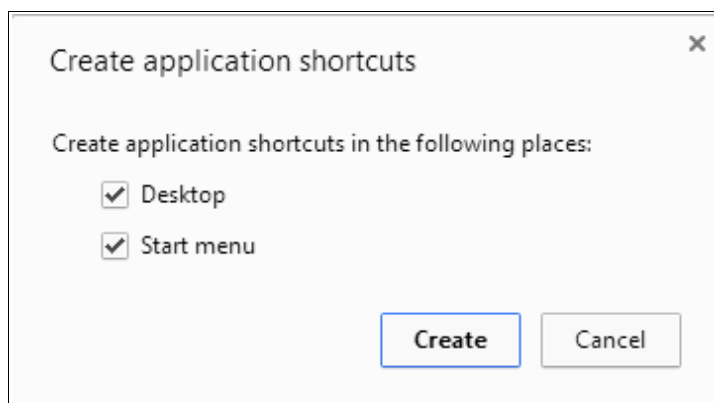
App shortcuts allow you to quickly access applications from your desktop and/or start menu.

**To create shortcuts:**

- Click the 'Apps' button in the top left side
- Right-click on the application
- Select the 'Create shortcuts'



'Create application shortcuts' dialog will be displayed.



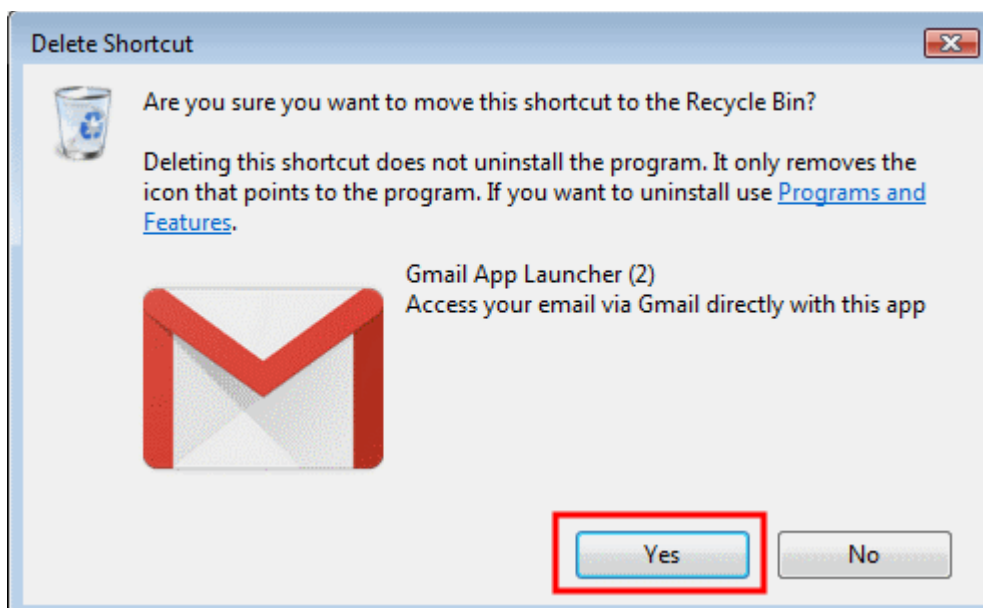
- Click 'Create' for the settings to take effect.

The app shortcut will be displayed on your desktop:



**To delete a short cut from start menu:**

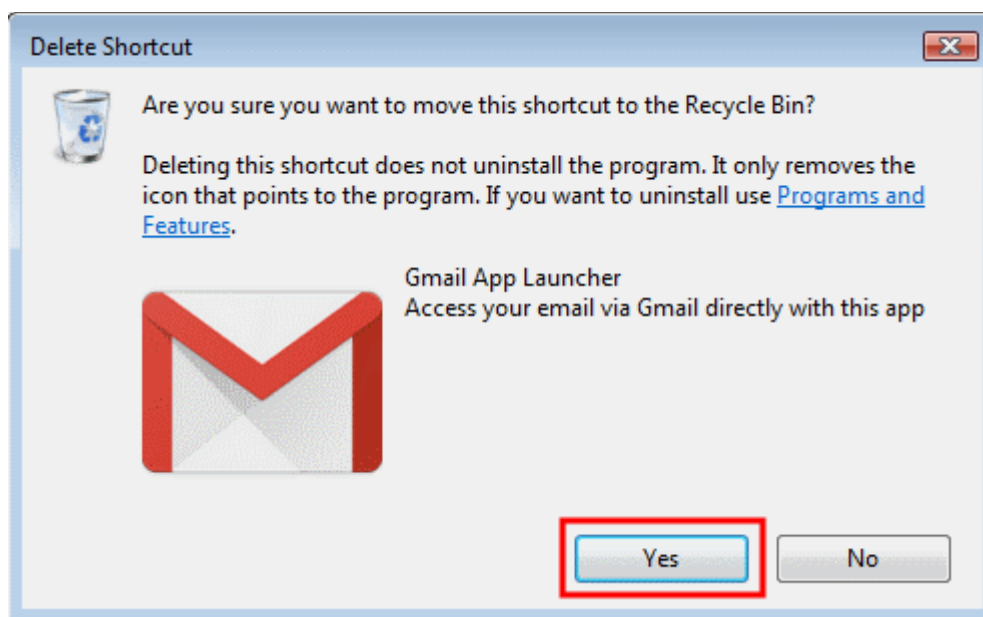
- Click the start menu and go to 'Comodo Dragon Apps'.
- Select the app you wish to remove.
- A 'Delete Shortcut' confirmation dialog will be displayed.



- Click 'Yes' to perform the delete action.

To delete shortcut from desktop:

- Click 'Gmail App Launcher'.
- Right click on the app.



- A 'Delete Shortcut' confirmation dialog will be displayed.
- Click 'Yes' to perform the delete action.

## 6. Bookmarks

Bookmarks are an easy way to store the links of pages that you frequently visit or pages that you might want to refer later. This section shows you how to create, edit and manage bookmarks. Click the following links to know more.

- [Creating Bookmarks](#)
- [Finding and Editing Bookmarks](#)


- [Managing Bookmarks](#)
- [Importing and Exporting Bookmarks](#)

## 6.1. Creating Bookmarks

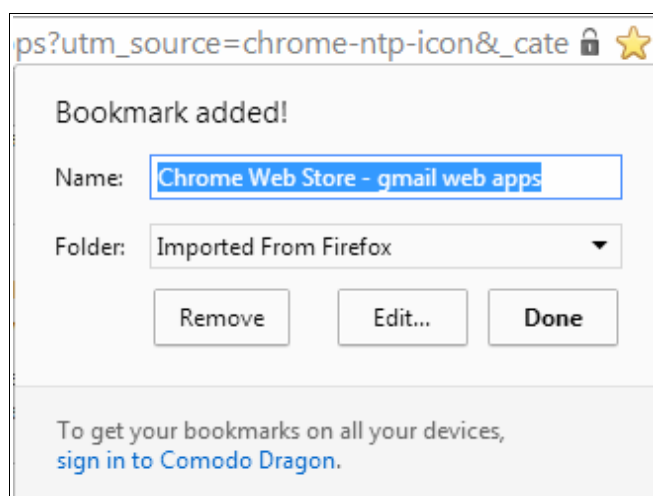
Comodo Dragon allows you to create bookmarks in multiple ways. If you had selected the option to display the bookmark bar in the browser window, it displays the bookmarked pages available in that folder.

**To create a bookmark**

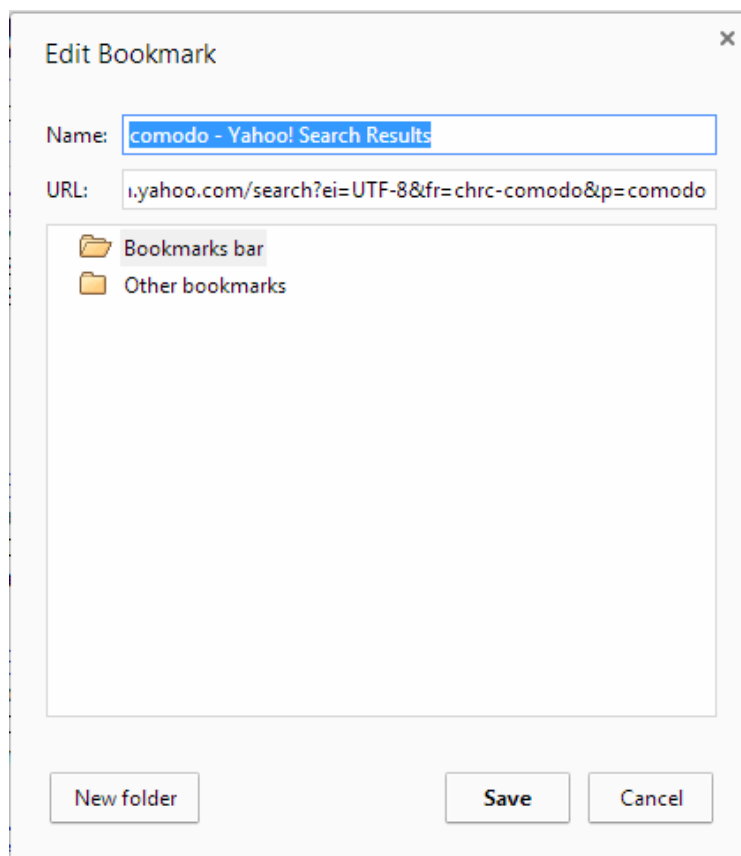
### Method 1

- Click the  icon at the right side of the address bar.

The web-page is automatically bookmarked in the recently used bookmarked folder.



In the bookmark dialog, you can edit the name or move it to another folder. Click the 'Remove' link if you do not want to bookmark the page. Click the 'Edit' button to open the 'Edit Bookmark' dialog. Here you can change the address and name of the web-page or create a new folder.



- Click 'OK' when you have finished.

## Method 2

- You can import bookmarks from other browsers.

## Method 3

- Drag and drop a link in the web-page to the bookmarks bar that you are currently viewing to create a bookmark of the link.

## Method 4

- Drag the icon next to the webpage in the address bar to the bookmarks bar to create a bookmark of the page.

## Method 5

- Use the keyboard short cut CTRL+D to create a bookmark of the web-page that you are currently viewing.

Further reading related to the topic of this page:


- [Finding and Editing Bookmarks](#)
- [Managing Bookmarks](#)
- [Importing and Exporting Bookmarks](#)

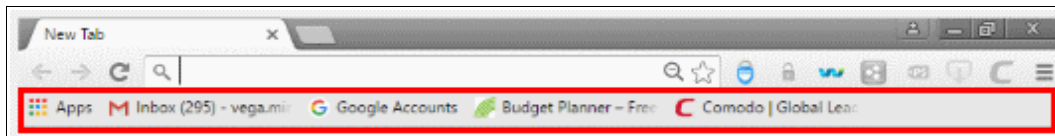
## 6.2. Finding and Editing Bookmarks

The bookmark bar under the address bar of the browser displays all your bookmark folders and bookmarks. If you have not docked the bookmark bar, follow the steps given below:



## To dock the bookmark bar

- Click the menu  located at the top-right corner.
- Select 'Settings' from the menu.
- In the 'Appearance' section, checkbox 'Always show the bookmarks bar'.



## Right-click options on the bookmark bar

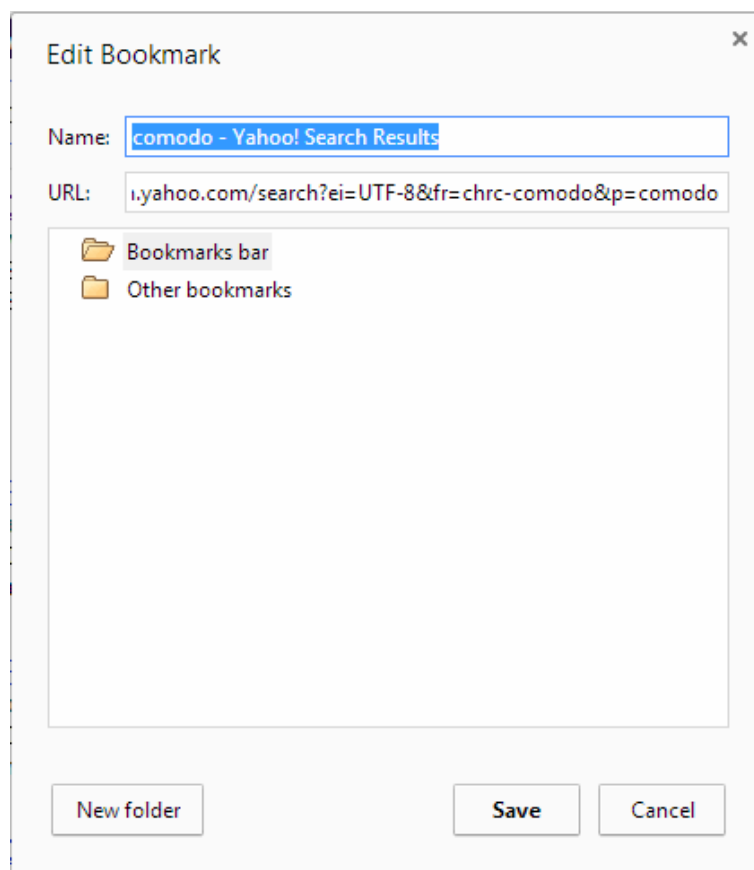
The following options are available when you right-click on the bookmark bar.

- Open all bookmarks
- Open all bookmarks in new window
- Open all bookmarks in incognito window
- Rename
- Cut
- Copy
- Paste
- Delete
- Add page
- Add folder
- Bookmark manager
- Show apps shortcut
- Show bookmarks bar

The bookmark bar is docked under the address bar of the browser. The 'Bookmark manager' menu also allows you to find and edit the bookmarks.

## To edit bookmarks

- Right-click a bookmark on the bookmark bar.
- Select the 'Edit' from the menu.
- The Edit Bookmark dialog is displayed.



Here you can edit the name, web address of the bookmark. You can also create a new folder from here.

### To delete bookmarks


- Right-click a bookmark on the bookmark bar.
- Select the 'Delete' from the menu.

The selected bookmark will be deleted. Please note that when you delete a folder, all the bookmarks in the folder will also be deleted.

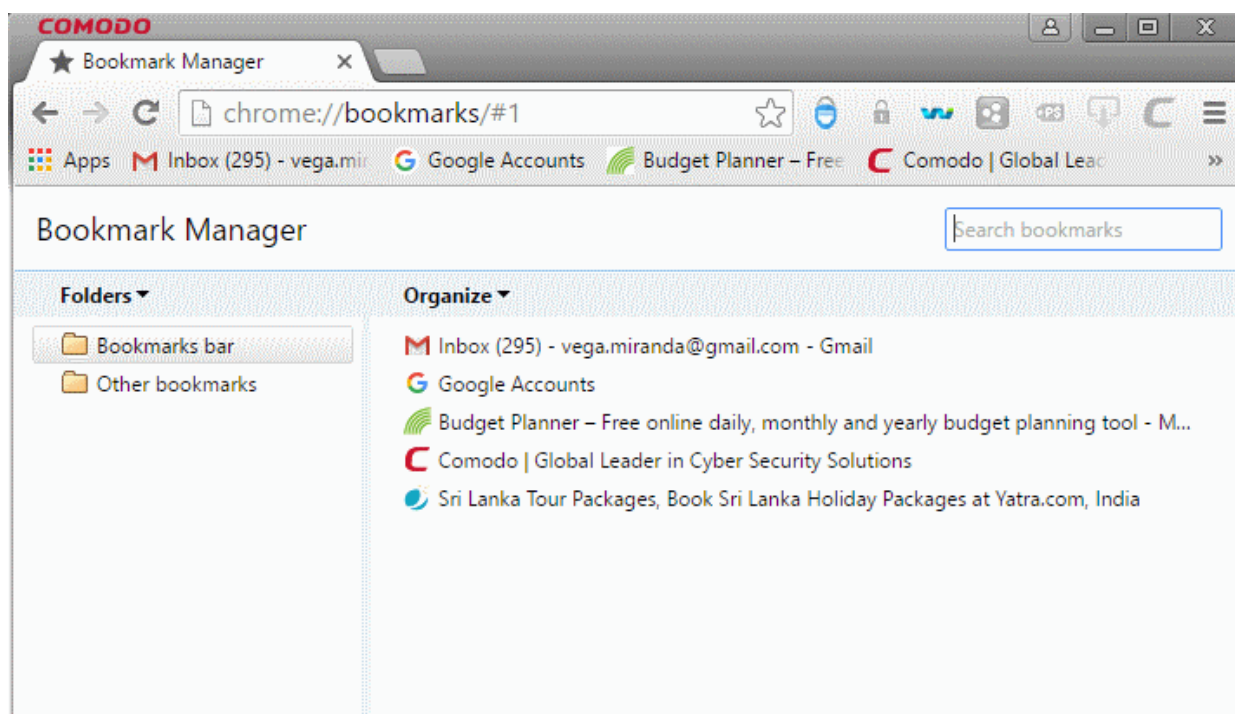
## 6.3. Managing Bookmarks

The Bookmark Manager in Comodo Dragon allows you to organize your bookmarks. Here you can edit, delete or rename bookmarks and folders. Right-click on any of the folder and open all the bookmarks in new tabs, new window or in incognito window.

### To open bookmark manager

- Click the menu  located at the top-right corner.
- Select 'Bookmarks' and choose 'Bookmark manager' from the menu.

The 'Bookmark Manager' interface will be displayed.



In this interface you can edit, rename, move a bookmark or search bookmarks.

#### To move bookmarks

- Just click and drag a bookmark or folder to another destination to the folder list in the left side.

#### To rename a folder, bookmark or edit web address

- Select the bookmark you want to edit.
- Click the 'Organize' menu and select 'Edit' and change the name or web address.
- Select the folder you want to rename.
- Click the 'Organize' menu and select 'Rename'.

You can also right-click a bookmark or folder and edit or rename in the interface or in the bookmark bar.

#### To search bookmarks

- Enter the bookmark name in the search box in the bookmark manager to search the item.

Search bookmarks

#### To delete a bookmark or folder

- Select the bookmark or folder you want to delete.
- Click the 'Organize' menu and select 'Delete'.

You can also right-click on the item and select delete from the menu.

#### To add a new bookmark folder


- Select the location you want to add new bookmark folder in the left side.
- Click the 'Organize' menu and select 'Add folder'.

You can also right-click on the desired location and add a new folder from the menu.

## 6.4. Importing And Exporting Bookmarks

Comodo Dragon allows you to import bookmarks from Internet Explorer, Firefox and Chrome.

To import bookmarks from Internet Explorer, Firefox, Opera, Chrome

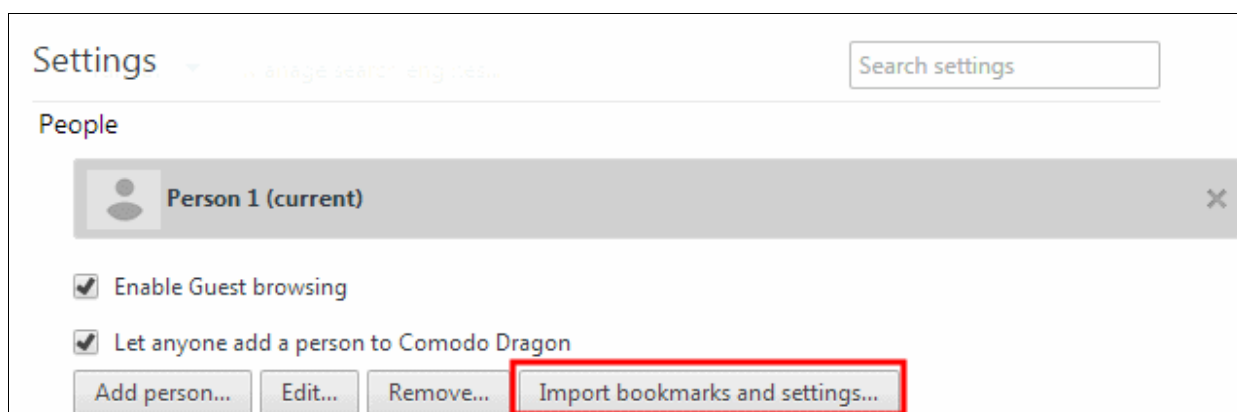
- Click the menu  button located at the top-right corner.
- Select 'Bookmarks' from the menu and choose 'Import bookmarks and settings'.

or

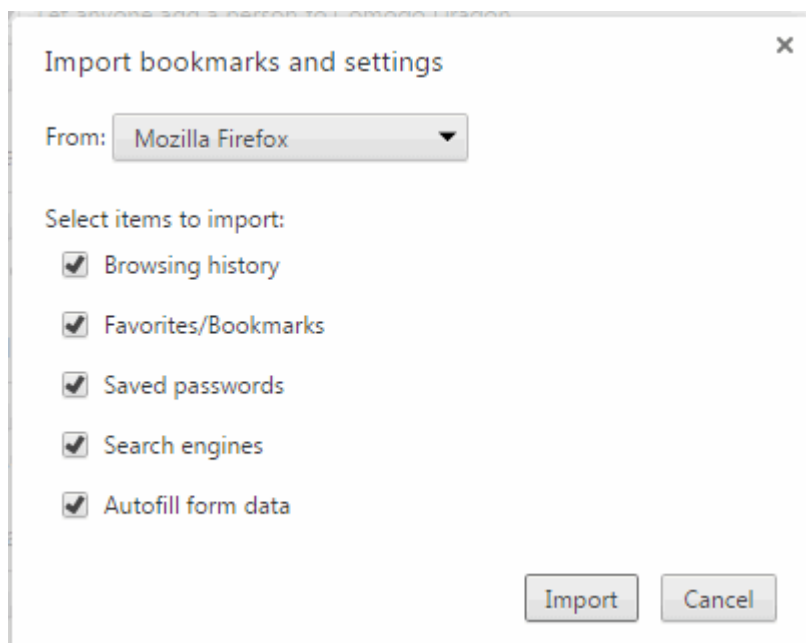
- Type `chrome://settings/importData`

or

- Select 'Settings' from the menu, then click "Import bookmarks and settings" in the 'User' section.




The 'Import Bookmarks and Settings' dialog will be displayed.



- Select the browser from which you want to import the items in the drop-down box.
- Select the items that you want to import from the browser.
- Click the 'Import' button.


The bookmarks from the other browser will now be available in Comodo Dragon as a sub folder under 'Other Bookmarks' at the top right side of the bookmark bar. You can also view the imported bookmark folder in the 'Bookmark manager' interface.

## To import bookmarks from any browser as a HTML file

- Export the bookmarks as a HTML file in any browser and save it to your computer.
- Click the menu  button located at the top-right .
- Select the 'Bookmark manager' from the menu.
- Click the 'Organize' and select 'Import bookmarks to HTML file' from the menu.
- Navigate to the HTML file saved in your computer and click 'Open'.

The bookmarks from the other browser will now be available in Comodo Dragon as a sub folder under 'Other Bookmarks' at the top right side of the bookmark bar. You can also view the imported bookmark folder in the 'Bookmark manager' interface.

## To export bookmarks from Comodo Dragon

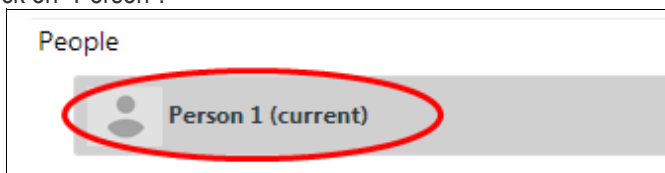
- Click the menu  button located at the top-right corner.
- Select the 'Bookmark manager' from the menu.
- Click the 'Organize' and select 'Export bookmarks from HTML' from the menu.
- Choose a location where you want the bookmarks to be saved and click the 'Save' button.

The bookmarks will be saved as a HTML file.

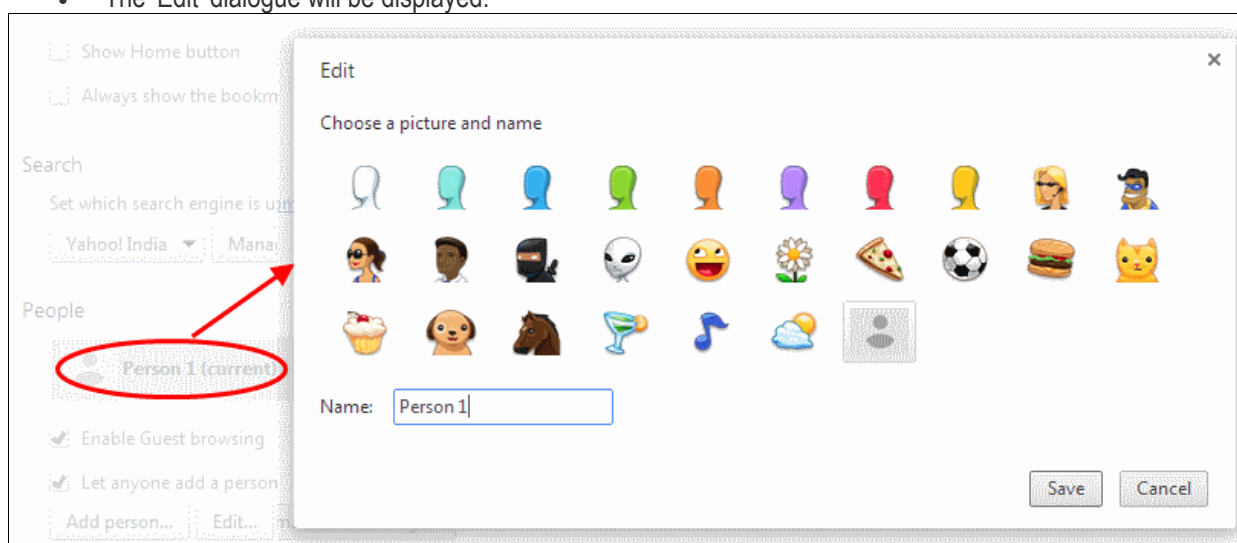
## Web interface user

By default, web-interface users will be simply labeled as 'Person' in Comodo Dragon. You can personalize the user's description by clicking on their name:

- To add details, click on "Person".



- The 'Edit' dialogue will be displayed.



- Choose a name and avatar for the user.
- Click 'Save'.

## 7. Privacy and Security

This section explains how to configure privacy and security settings in Comodo Dragon. These settings help make sure your private data remains safe and secure while browsing online.


Following sections explain more on:

- [Deleting Browsing History](#)
- [Managing Cookies](#)
- [Configuring Settings for Images, Java Scripts and Web Content](#)
- [Configuring Advanced Settings](#)
- [Using Comodo Dragon in Incognito Mode](#)
- [Using Comodo Dragon in Virtual Mode](#)
- [SSL Certificates and Secure Connections](#)
- [SSL/HTTPS Security Settings](#)
- [Blocking Insecure Content](#)
- [Force Secure Connections](#)
- [CertSentry](#)
- [Managing Multiple Users](#)

### 7.1. Deleting Browsing History

Comodo Dragon allows you to clear your browsing history either selectively or in entirety. You can choose to clear the history for a selected period of time and the items that should be deleted. You can also configure the browser to clear your browsing history each time you exit the browser to protect your privacy. When you opt to clear the entire browsing history, all cached web pages and browsing history will be removed. The action also clears the thumbnails of your most visited pages on the new tab page.

**To delete the browsing history for a selected period of time**

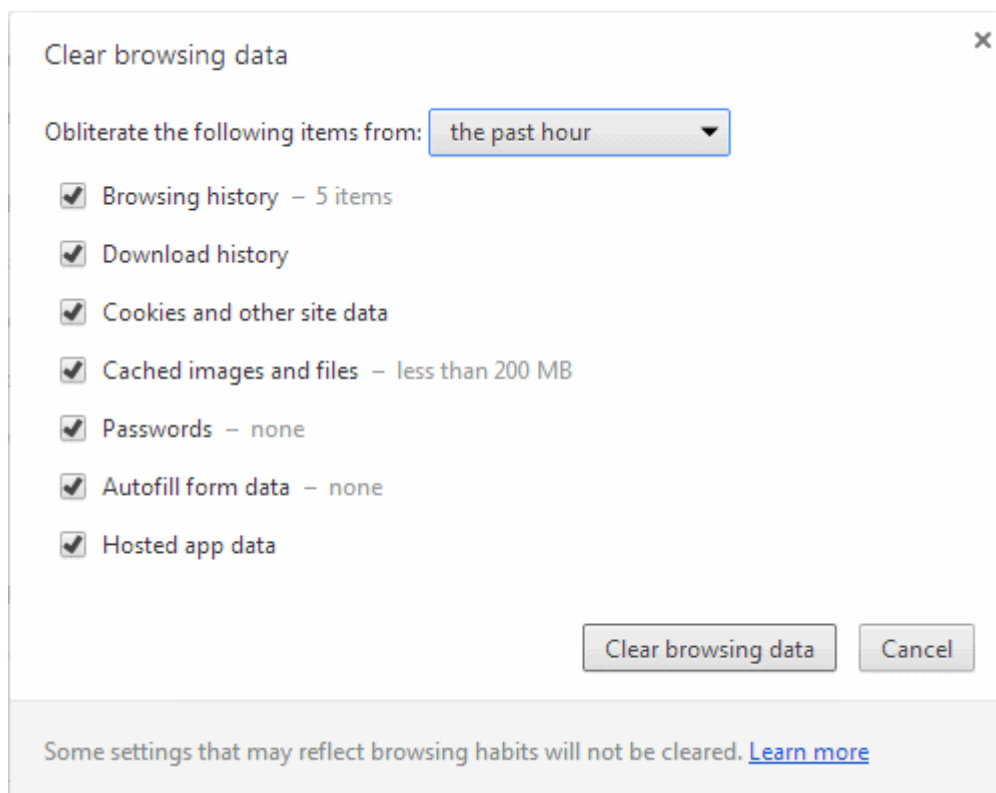
- Click the menu button  at the top right, select More tools and click 'Clear browsing data'

OR

- Click the menu at the top right, select 'Settings', scroll down and click 'Show advanced settings' 'Clear browsing data' in the 'Privacy' section

OR

- Open the 'History' page by clicking the menu button and selecting 'History' > 'History' or pressing Ctrl + H from the keyboard and click 'Clear Browsing Data' from the History page



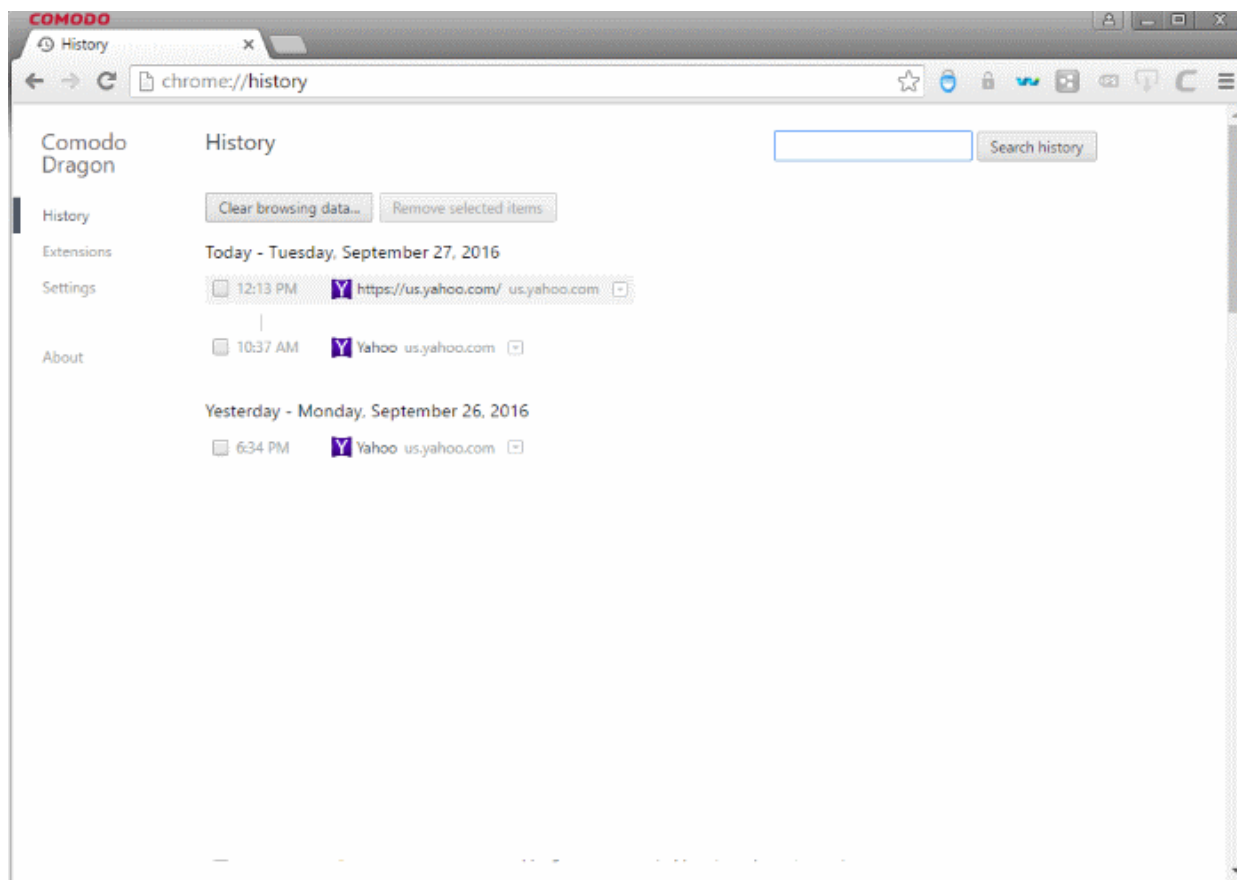
The Clear browsing data dialog will appear:

- Choose the time period for which you wish to delete your browsing trails from the 'Obliterate the following items from' drop-down. The data pertaining to the items selected from the list below it, saved during the chosen period will be deleted. To all data pertaining to the selected items, choose 'the beginning of time'.
- Select the items that you want to delete.
- Click the 'Clear browsing data'

**Tip:** You can view the list of cookies stored by the websites you visited and remove them selectively. Refer to the section **Managing Cookies** for more details.

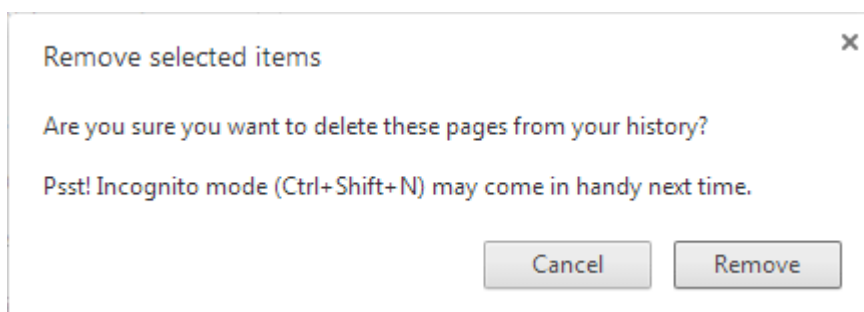
## To selectively delete your browsing history

- Open the 'History' page by clicking the menu button and selecting 'History' > 'History' or pressing Ctrl + H from the keyboard



- Select the items to be removed and click 'Remove Selected items'

A confirmation dialog will appear.



- Click 'Remove'.

## To configure Dragon to delete your browsing history on exit

- Click the menu button from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Click 'Clear at exit' under 'Privacy'.



## Settings

Search settings

Updates for Comodo Dragon will be downloaded and installed automatically.

### Privacy

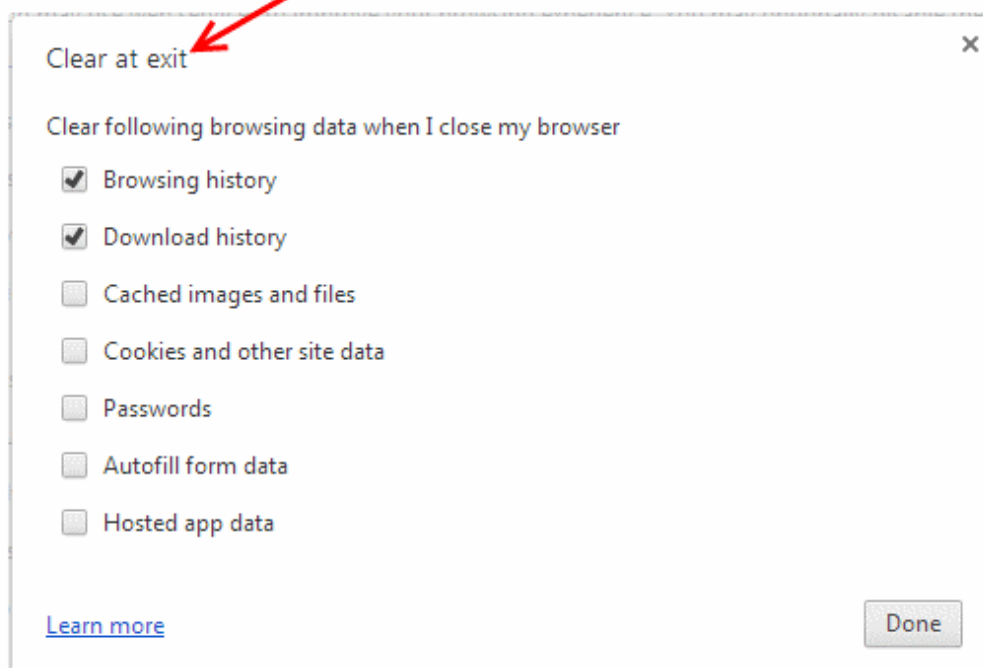
Content settings...

Clear browsing data...

Clear at exit...

Comodo Dragon may use web services to improve your browsing experience. You may optionally disable these services. [Learn more](#)

Start browser in incognito mode



- Select the items to be deleted from the browsing history every time you close Comodo Dragon and click 'Done'.


Further reading related to the topic of this page:

[Opening a New Tab Page](#)

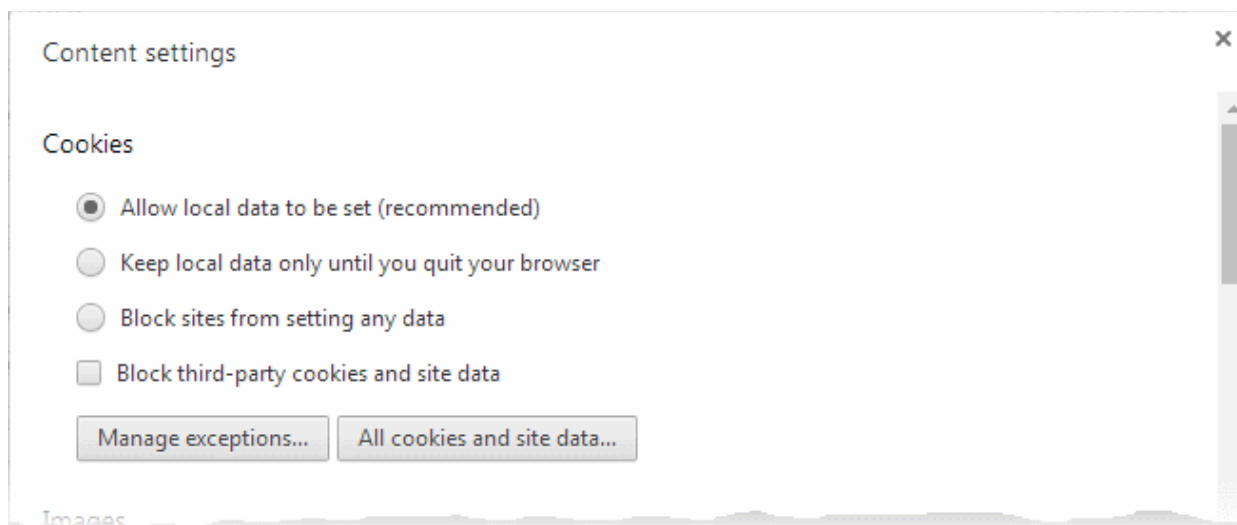
## 7.2. Managing Cookies

Cookies are small pieces of information sent by websites that you've visited and stored by your web browser. Cookies are used by these websites to store your preferences about that website (for example, if you ask a website to 'Keep me logged in' or similar, it is the cookie that keeps a record of this preference). However, a potential privacy concern with cookies is that they can allow websites to track your navigation when you are browsing those websites. So it is vital that you know about cookie settings. Comodo Dragon allows you great control over cookie settings.


### To set cookie permissions

- Click the menu button  from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Click the 'Content settings' button under Privacy and scroll down to 'Cookies' section in the 'Content

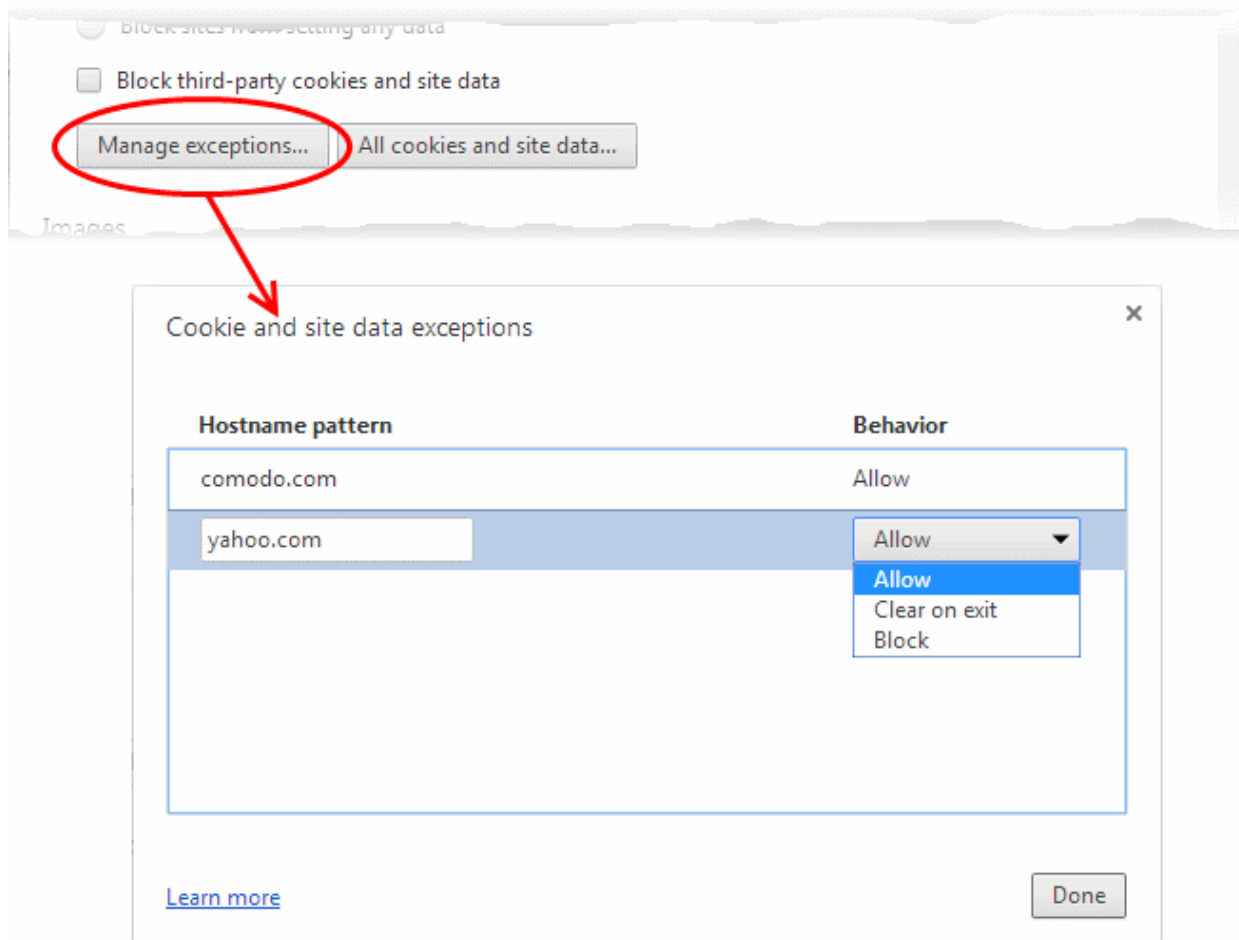
Settings' dialog.



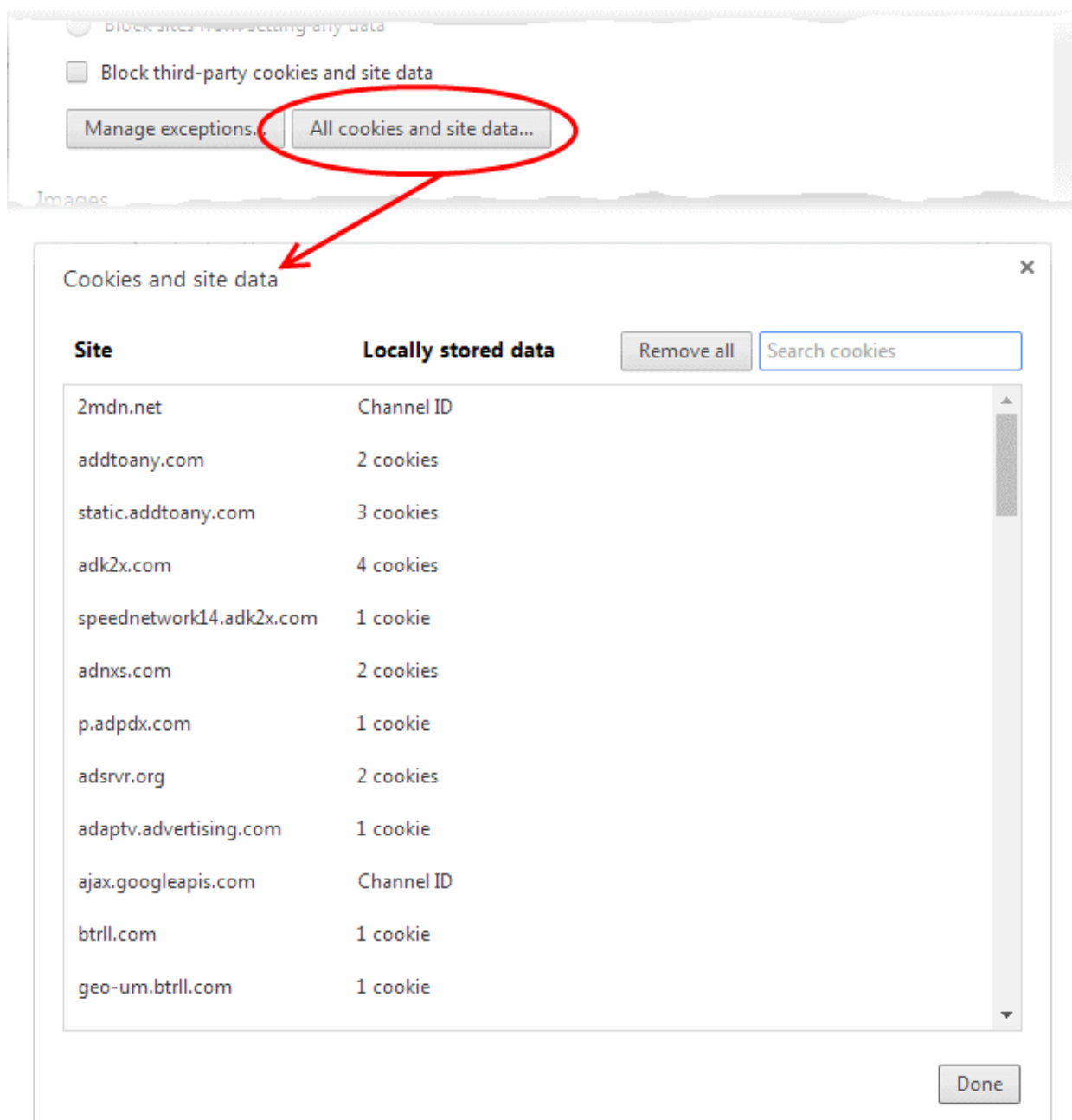
The Cookies area allows you to configure the browser to allow or block cookies selectively, exceptions to the settings. Also, you can view the currently stored cookies and selectively remove them.

- Configure whether or not to allow cookies to be stored.
  - **Allow local data to be set** - Allows both cookies from the webpage you visit and from the third-parties like adverts displayed on the webpage, to be stored on your computer.
  - **Keep local data only until I quit my browser** - Allows sites to store cookies only until the current browsing session. The cookies will be automatically erased once the browser is closed.
  - **Block sites from setting any data** - Blocks any website from storing cookies on your computer. Please note that websites that require your sign-in will not work, if this setting is selected. In the address bar, an icon  will be displayed indicating a cookie has been blocked.
  - **Block third-party cookies and site data** - Allows only the cookies stored by the webpage you visit and blocks cookies from third parties like adverts displayed on the web page.
- To add exceptions to the cookie storage settings as configured above, click the 'Manage Exceptions' button.

The 'Cookie and site exceptions' dialog will be displayed.



- To add an exception for a website, enter the domain name in the "Hostname pattern" field. All sub-domains too, will be automatically added.
- Use the drop-down menu under 'Behavior' to choose whether or not to allow cookies. The options available are 'Allow', 'Block' and 'Clear on exit'.
- Repeat the process to add more websites.
- To remove a website from the list, click 'X' that appears on the right end of the domain name on selecting it.
- Click 'Done' for your settings to take effect .
- To view and manage the currently stored cookies, click the 'All cookies and site data' button





A list of all cookies currently stored on your computer will be displayed. You can search for a specific cookie, start typing its name in the 'Search Cookies' text box and choose from the options shown below it.

- To delete a cookie, select it and click 'X' that appears at the right end of it.
- To remove all cookies at once, click the 'Remove All' button

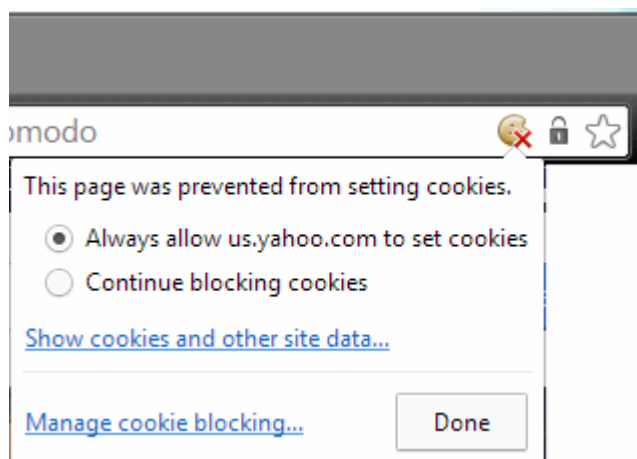
### Information about cookies in the current page

Cookie icon will be displayed at the right end of the address bar of the page that you have blocked or set to allow..

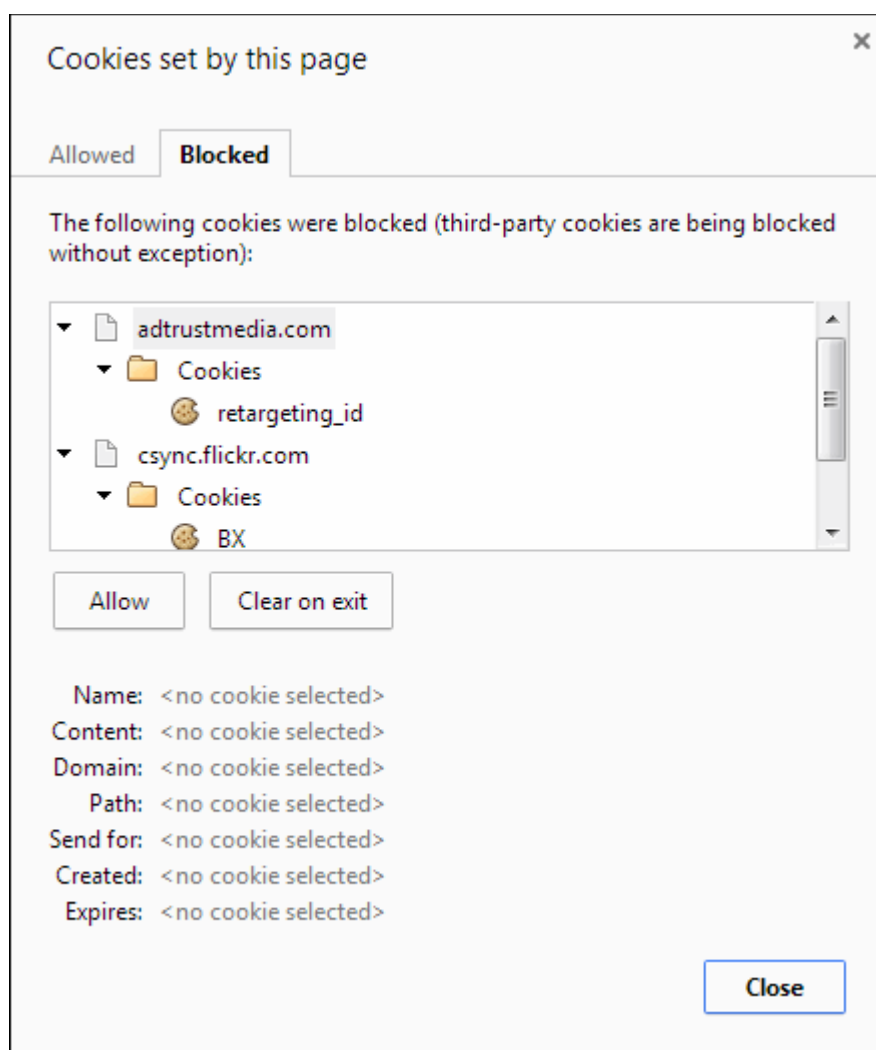
- If you have selected to block all cookies by default, but made exception to allow cookies for a certain page, the  icon will appear in the address bar of that page.
- If you have selected to allow cookies by default, but made exception to block cookies for a certain page, the  icon will appear in the address bar of that page.

You can view the cookies that have been blocked or set by clicking the icon.

- Click the cookie icon in the address bar.



- Click the 'Manage cookie blocking' link to open the 'Cookies and site data' dialog, for managing exceptions. Refer to the explanation **above** for more details .
- Click the 'Show cookies and other site data' link to view the cookies allowed/blocked from the website you are currently visiting.




- The Allowed and Blocked tabs displays the respective lists of allowed and blocked cookies from the current

website.

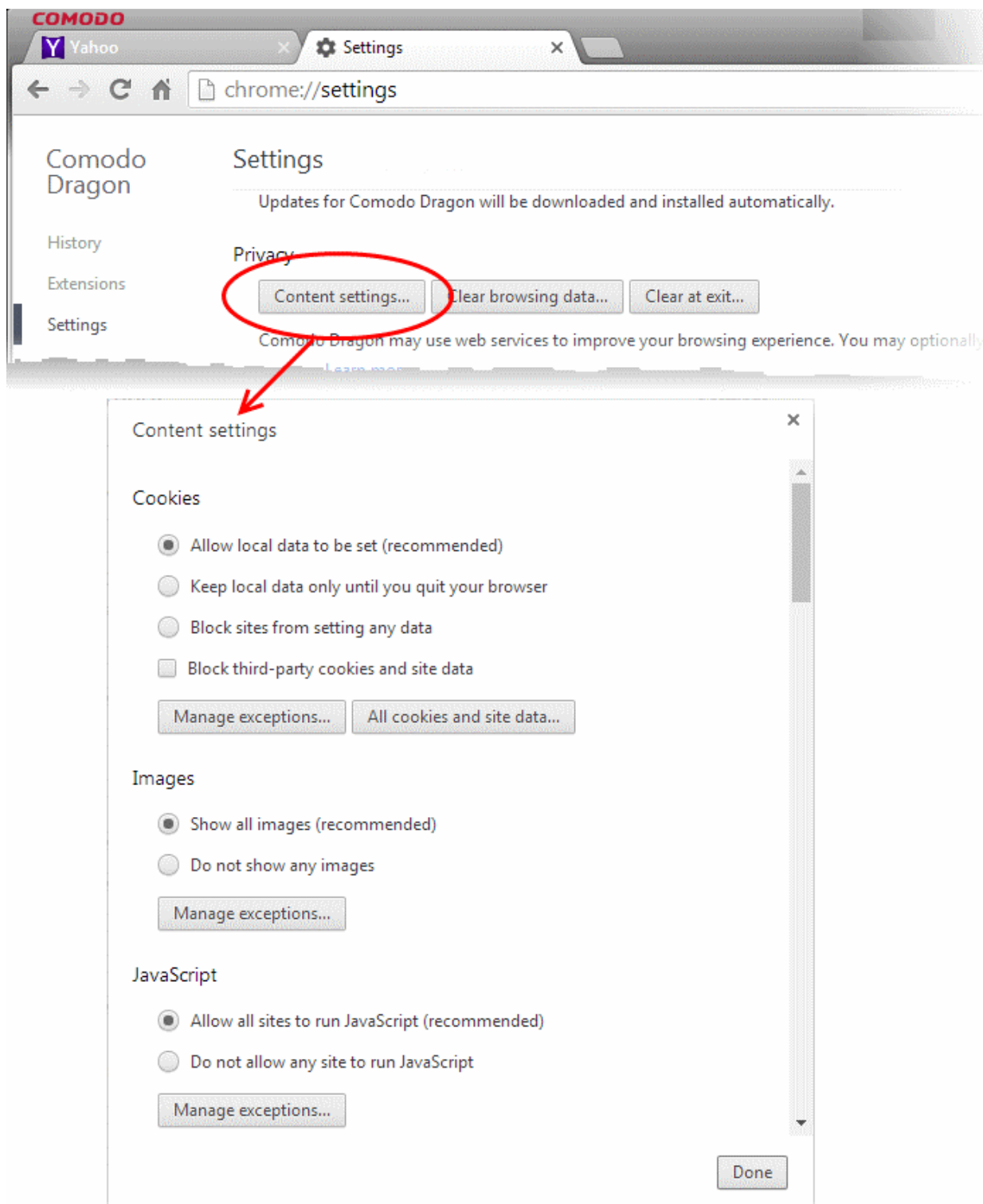
- To allow a blocked cookie, select the cookie from the Blocked list and click Allow or Clear on exit as per your preference
- To block a allowed cookie, select the cookie from the Allowed list and click 'Block'
- To delete a allowed cookie, select the cookie from the Allowed list and click 'Remove'
- Click Close for your changes to take effect.

## 7.3. Configuring Settings for Images, Java Scripts and Web Content

Comodo Dragon allows granular configuration of settings that control web page components and content such as images, cookies, plug-ins, pop-ups, location sharing and notifications.

- Click the menu button  from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Click the 'Content settings' button under 'Privacy'

The 'Content Settings' dialog will be displayed.



The Content Settings area allows you to configure for the following content types.

- **Cookies**
- **Images**
- **JavaScript**
- **Key Generation**
- **Protocol Handlers**
- **Plugins**
- **Pop-Ups**

- **Notifications**
- **Full Screen Mode**
- **Protected Content**
- **Access to Microphone and Camera**
- **Access to Camera**
- **Unsandboxed plugin access**
- **Automatic Downloads**
- **MIDI Devices Control**
- **Zoom Levels**


## Cookies

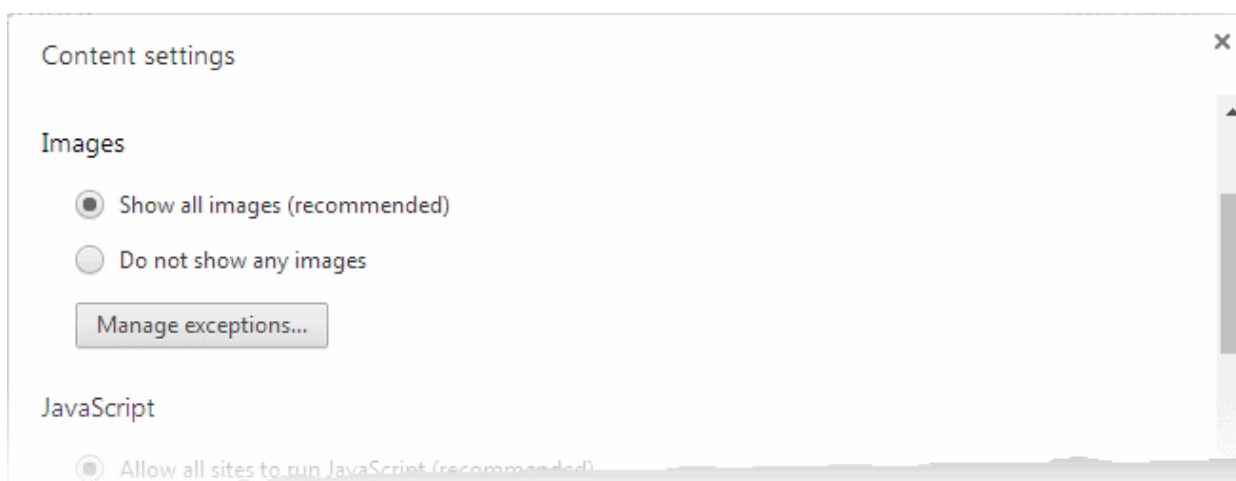
Cookies are small pieces of information sent by websites that you've visited which are stored by your web browser. Cookies are used by these websites to store your preferences about that website (for example, if you ask a website to 'Keep me logged in' or similar, it is the cookie that keeps a record of this preference). However, a potential privacy concern with cookies is that they can allow websites to track your navigation when you are browsing those websites. Refer to the section **Managing Cookies** for more details.

## Images

Comodo Dragon allows you to configure how the images contained in the webpages you visit should be handled. You can also add exceptions for the global settings you make for the images.

### To configure Image settings

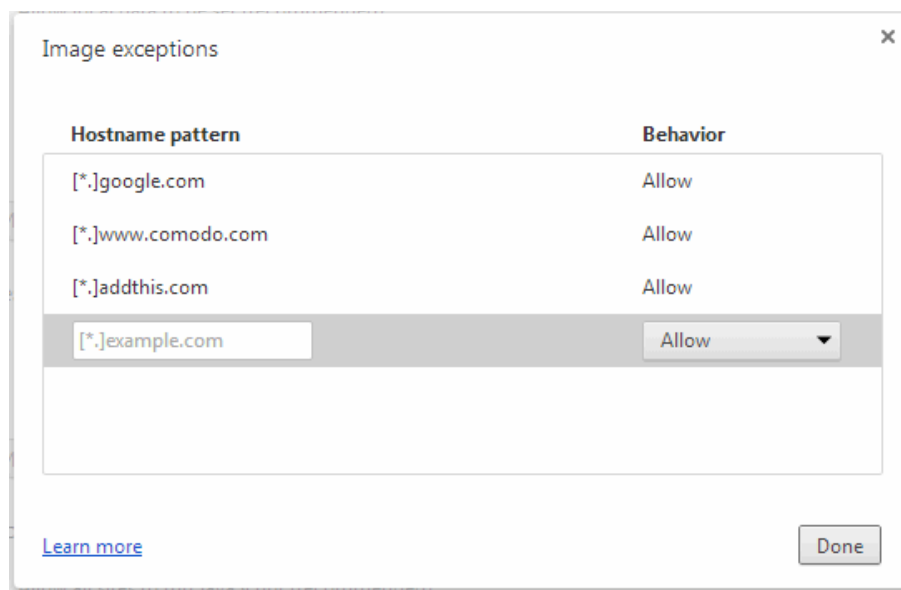
- Click the menu button  from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Click the 'Content settings' button under 'Privacy'
- Scroll down to 'Images'



- Configure the global settings
  - **Show all images** - Displays all images from all webpages you visit
  - **Do not show any images** - Blocks loading of images from the webpages to the browser. The images will not be displayed. You can use this setting to reduce your bandwidth resource usage
- To add exceptions on a per-website basis, click 'Manage Exceptions'

The 'Image exceptions' dialog will be displayed.






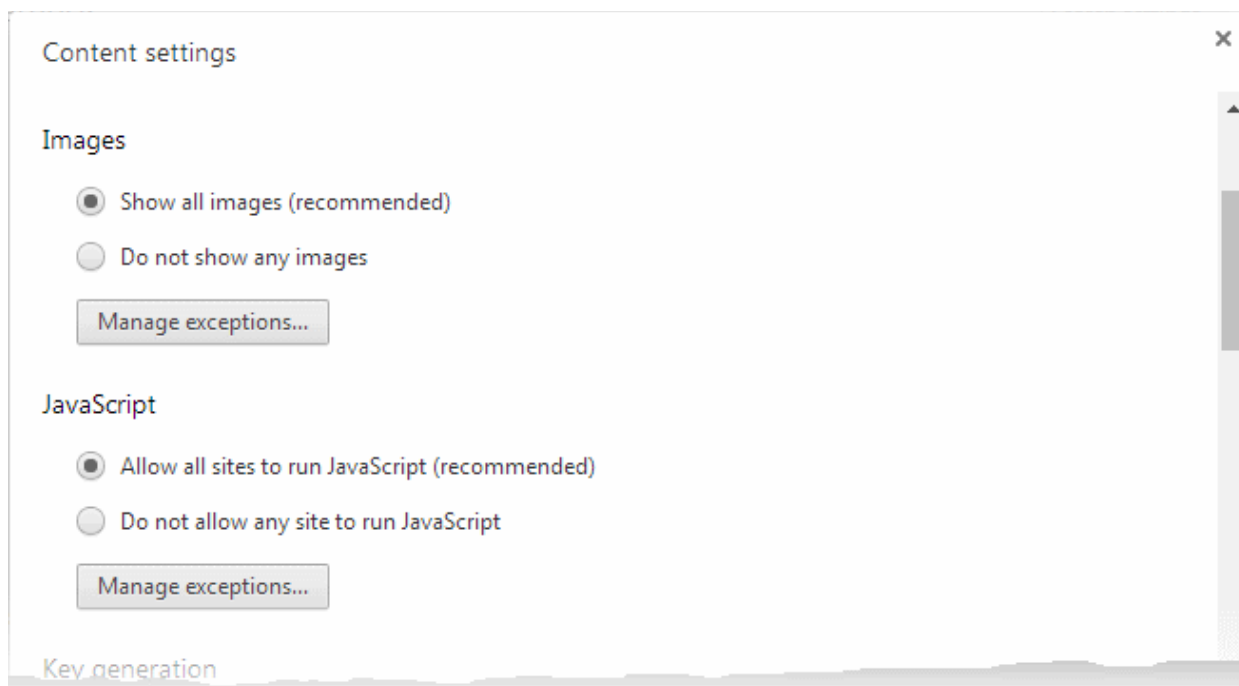
- To add a website, enter the domain name under the "Hostname pattern" field.
- Use the drop-down menu under 'Behavior' to choose whether or not to allow images from the website
- Repeat the process to add more websites.
- To remove a website from the list, click 'X' that appears on the right end of the domain name on selecting it.
- Click 'Done' for your settings to take effect .

## JavaScript

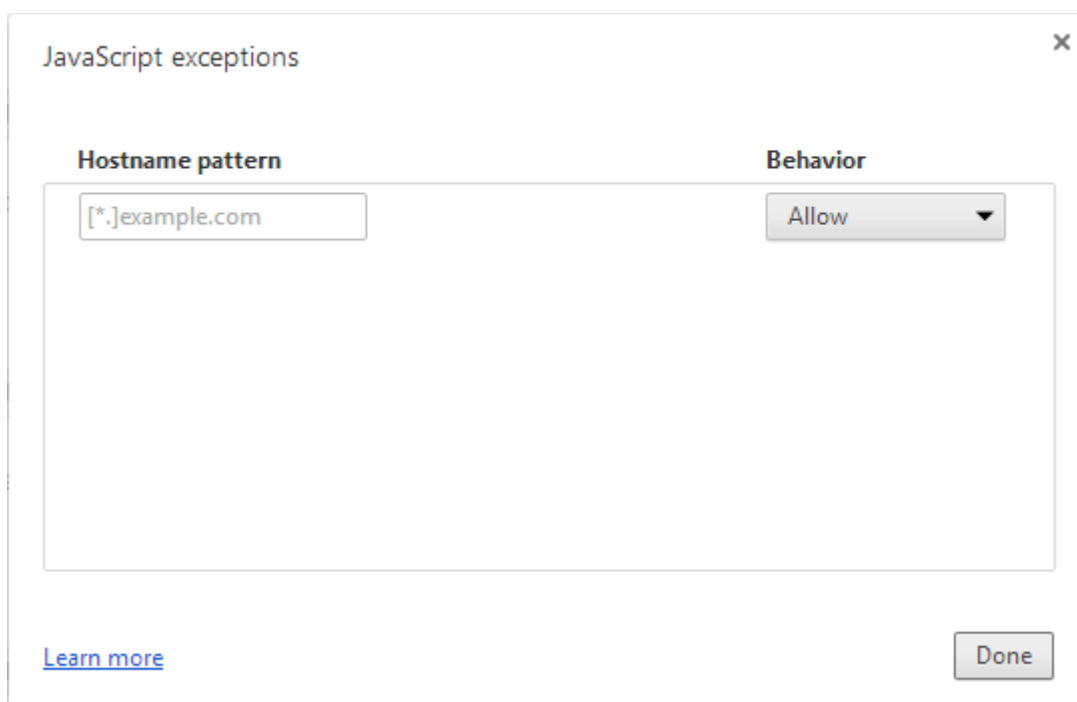
To make websites more interactive developers use Java scripts. You can configure whether or not you want Comodo Dragon to load and execute Java scripts and can configure exceptions on per-website basis. Some websites do not work properly if JavaScript is not enabled.

### To configure JavaScript settings

- Click the menu button  from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Click the 'Content settings' button under 'Privacy'
- Scroll down to 'JavaScript'



- Configure the global settings
  - **Allow all sites to run JavaScript** - Loads and executes the Java Scripts from all webpages you visit
  - **Do not allow any site to run JavaScript** - Blocks loading of Java Scripts from any webpages
- To add exceptions on a per-website basis, click 'Manage Exceptions'




- To add a website, enter the domain name under the "Hostname pattern" field.
- Use the drop-down menu under 'Behavior' to choose whether or not to allow Java scripts from the website
- Repeat the process to add more websites.
- To remove a website from the list, click 'X' that appears on the right end of the domain name on selecting it.
- Click 'Done' for your settings to take effect .

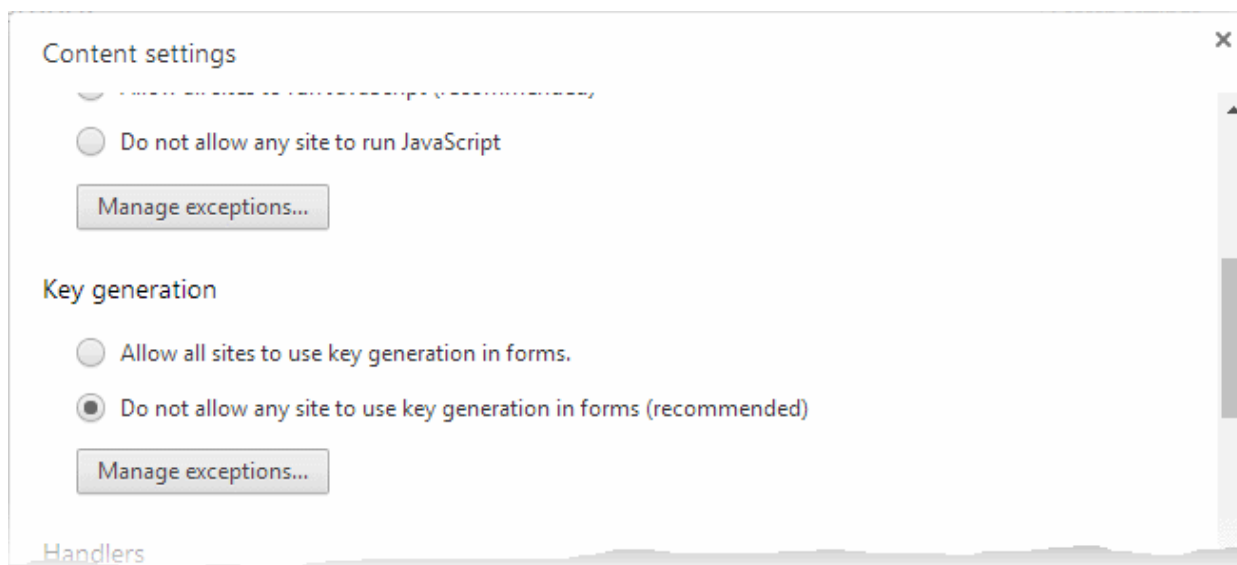
## Key Generation

Some web forms use your browser to generate public and private keys when you are applying for certain products. The keys are generated by invoking the local crypt module on your computer so that the private key never leaves your computer. For example, application forms for secure email certificates or code signing certificates use your browser to generate keys. Enable this option if you wish to allow web sites that request key generation to do so.

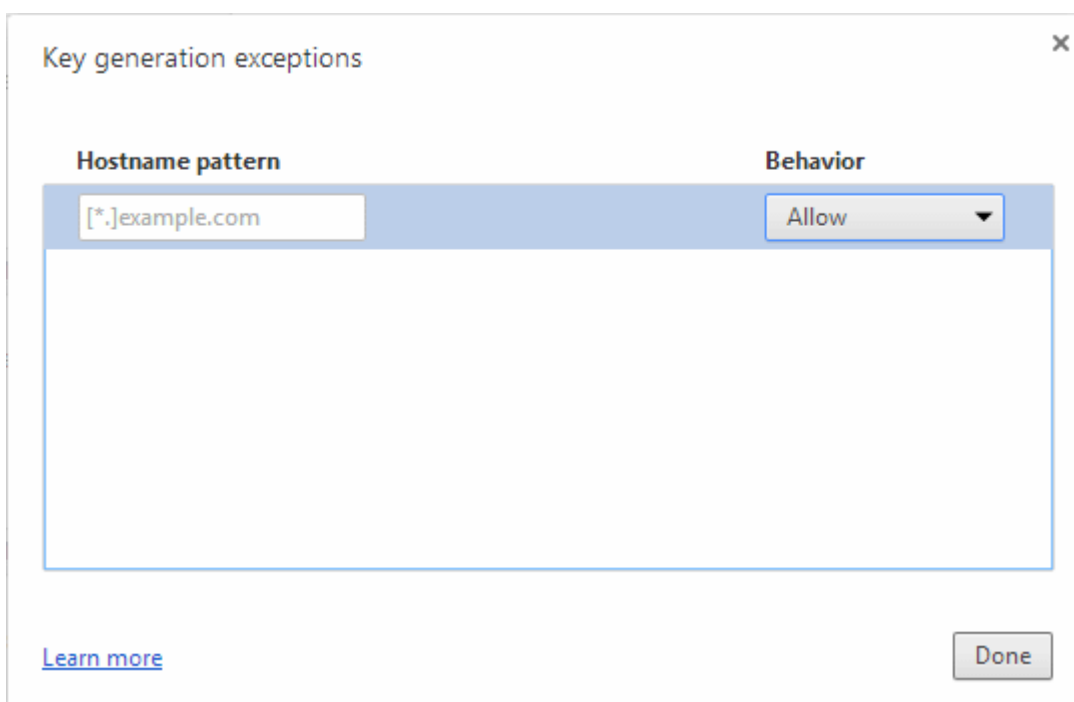
You can configure to globally allow or block key generation for all the websites you visit and to define exceptions for them on per-website basis.

## To configure key generation

- Click the menu button  from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Click the 'Content settings' button under 'Privacy'
- Scroll down to 'Key Generation'



- Configure the global settings
  - **Allow all sites to use key generation in forms** - Allows websites to generate key pair
  - **Do not allow any site to use key generation in forms** - Blocks generation of key pairs for all web sites
- To add exceptions on a per-website basis, click 'Manage Exceptions'



- To add a website, enter the domain name under the 'Hostname pattern' field.
- Use the drop-down menu under 'Behavior' to choose whether or not to allow key generation by the website
- Repeat the process to add more websites.
- To remove a website from the list, click 'X' that appears on the right end of the domain name on selecting it.
- Click 'Done' for your settings to take effect .

## Protocol Handlers and Web Applications

Handlers feature allows you to open certain links is determined by the Default Handler for your computer. Learn more about this in the section [Managing Protocol Handlers](#)

## Plug-ins

Websites use plug-ins to process certain types of content, such as Flash and Windows Media files. These files cannot be processed by browsers and require plug-ins. Comodo Dragon allows plug-ins by default. Refer to the section [Managing Extensions and Plug-ins](#) for more details.


## Pop-Ups

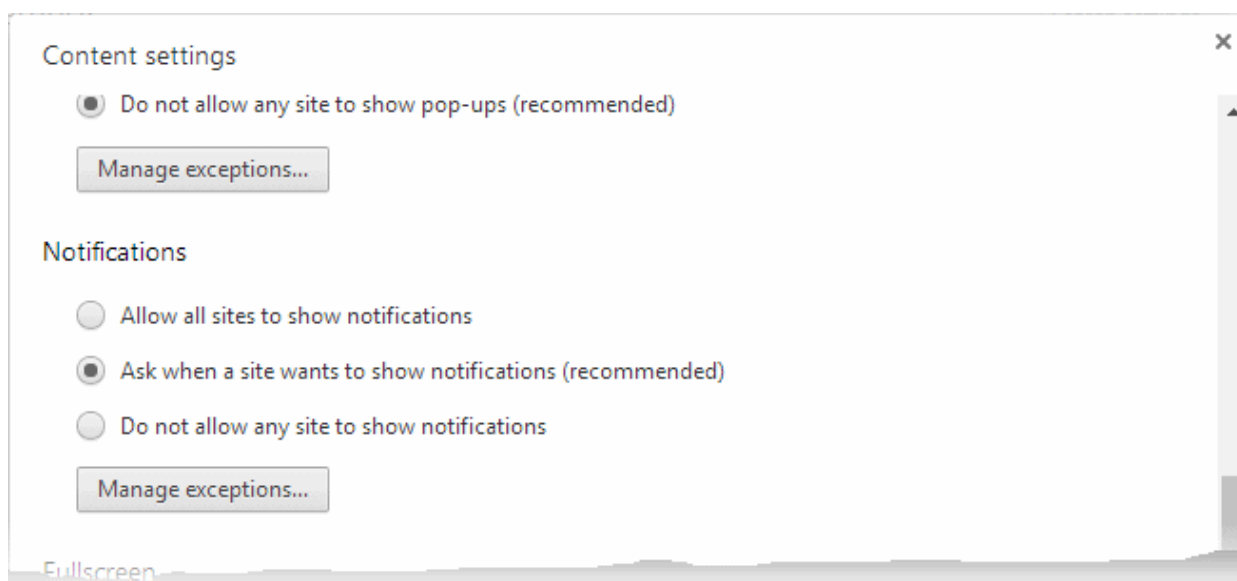
- Comodo Dragon blocks all pop-ups by default. You can configure whether or not the browser should allow pop-ups and add exceptions for it. Refer to the section [Configuring Pop-ups](#) for more details.

## Notifications

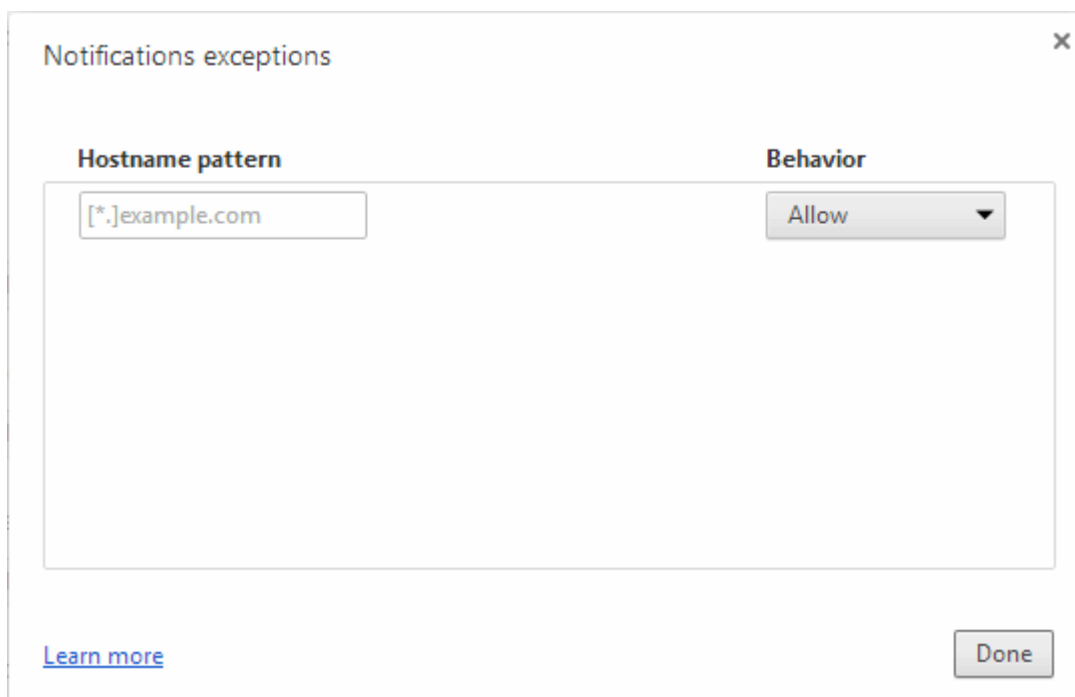
Certain websites are capable of showing notifications on your desktop. Comodo Dragon is configured to alert you by default whenever a site wants your permission to show notifications automatically. You can configure whether the notifications are to be allowed or blocked from the websites and can add exceptions on per-website basis.

### To configure notifications

- Click the menu button  from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Click the 'Content settings' button under 'Privacy'
- Scroll down to 'Key Generation'



- Configure the global settings
  - **Allow all sites to show notifications** - Allows websites to display notifications
  - **Ask when a site wants to show notifications** - Displays alerts when a website tries to show a notification and allows you to choose to either allow or block.
  - **Do not allow any site to show notifications** - Blocks notifications from all web sites
- To add exceptions on a per-website basis, click 'Manage Exceptions'



- To add a website, enter the domain name under the "Hostname pattern" field.
- Use the drop-down menu under 'Behavior' to choose whether or not to allow notifications from the website
- Repeat the process to add more websites.
- To remove a website from the list, click 'X' that appears on the right end of the domain name on selecting it.
- Click 'Done' for your settings to take effect .

## Full screen

Full screen setting allows you to choose how Dragon handles request to open websites in full screen mode. Refer to the section [Configuring Fullscreen mode and Mouse Cursor Usage](#) for more details.

## Mouse cursor

Certain websites or web applications (as games) might request to disable your mouse cursor. Configuring Mouse cursor setting provides a choice on how handles this type of request. Refer to the section [Configuring Fullscreen mode and Mouse Cursor Usage](#) for more details.

## Protected Content

Certain websites require your device identification in order to grant access to you to download or stream from web sites video and music protected by copyright. Refer to the section [Protected Content](#) for more details.

## Access to Microphone and Camera

Sites with media functionality can request access to your camera and microphone. Learn more about this in the section '[Configuring Media Settings](#)'.

## Unsandboxed plug-in access

The sandbox feature configures the security level and is helpful to test the behavior of new executable that you have downloaded or for applications that you are not sure that you trust. Unsandboxed plug-in access restrains access on your computer by blocking sandbox plug-ins from automatically accessing files on your computer. Learn more about this in '[Configuring Settings for Unsanboxed Plug-in Access](#)' section.

## Automatic Downloads

The automatic downloads feature provides you with ability to download the bunch of files. e.g., when you purchase items from the store and you can them download automatically to your computer or device. For more details, refer to the section [Set Automatic Downloads on Dragon](#).

## MIDI Devices Control

Certain websites access your MIDI (Musical Instrument Digital Interface) devices for transfer of data by exchanging System Exclusive (SysEx) messages, for example, for playing music. Comodo Dragon is 'MIDI enabled' by default. You can configure Dragon to globally accept or deny requests from the websites to access the MIDI devices and exception websites, for which the access is to be allowed or denied on a per-website basis. For more details, refer to the section [Configuring Access to MIDI Devices](#).

## Zoom Levels

Zoom Levels feature allows you to manage all custom zoom levels for all content to fit you web page in the browser from the Privacy> Content Settings. Learn more about this in [Zooming The Web-page To Full Size](#) section.


Further reading related to the topic of this page:

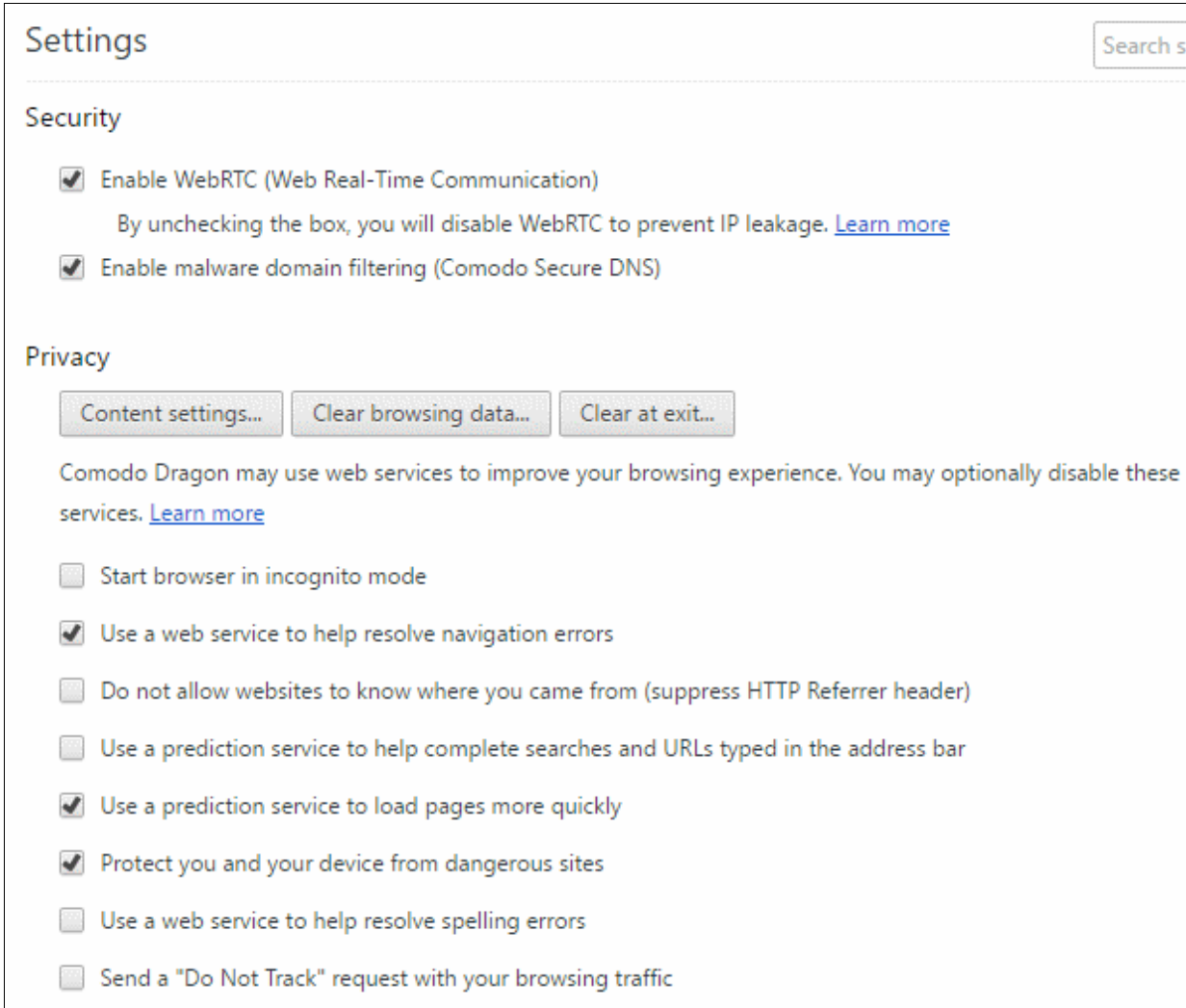
- [Managing Cookies](#)
- [Configuring Settings For Media](#)
- [Managing Extensions and Plug-ins](#)
- [Configuring Settings for Unsanboxed Plug-in Access](#)
- [Set Automatic Downloads on Dragon](#)

## 7.4. Configuring Advanced Settings

Dragon allows you to improve your browsing experience by using web services for that offer search key predictions, form auto complete and more. Also, you can configure privacy settings help make sure your confidential data remains safe and secure during your online transactions.

### To configure advanced settings

- Click the menu button  from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Configure your advanced security options under 'Privacy'



The screenshot shows the 'Settings' page with a search bar in the top right. The 'Security' section includes two checked options: 'Enable WebRTC (Web Real-Time Communication)' and 'Enable malware domain filtering (Comodo Secure DNS)'. The 'Privacy' section features three buttons: 'Content settings...', 'Clear browsing data...', and 'Clear at exit...'. Below these are several unchecked options: 'Start browser in incognito mode', 'Do not allow websites to know where you came from (suppress HTTP Referrer header)', 'Use a prediction service to help complete searches and URLs typed in the address bar', 'Send a "Do Not Track" request with your browsing traffic', and 'Use a web service to help resolve spelling errors'. Two checked options are 'Use a web service to help resolve navigation errors' and 'Use a prediction service to load pages more quickly'. A paragraph of text explains that Comodo Dragon may use web services to improve browsing experience and provides a link to 'Learn more'.

- **Start browsing in incognito mode** - The browser does not store your browsing history, search history or other traces such as cookies. For more information, refer to the section [Using Comodo Dragon in Incognito Mode](#).
- **Use a web service to help resolve navigation errors** - If you mistype a website address, Dragon uses Google search engine to get suggestions for alternative pages similar to the one you are attempting to reach. This is enabled by default to improve your browsing experience. If you do not want alternative webpage suggestions, deselect this option.
- **Do not allow websites to know where you came from (suppress HTTP referrer header)** - If selected, Dragon does not allow website owners knowing from which webpage you arrived at their website, for example by clicking the link in the webpage. This option is disabled by default.
- **Use a prediction service to help complete searches and URLs typed in the address bar or the app**

**launcher search box.** - Refer to the section [Prediction Service](#) for details on this option.

- **Prefetch resources to load pages more quickly** - If enabled, Comodo Dragon will perform the IP look up of all links on the current webpage and fetches their IP addresses. On clicking any of the links, the resultant page will load faster as the IP address of it is already resolved. By default, this option is enabled.
- **Protect you and your device from dangerous sites** - Generates instant alerts you if the website that you are trying to visit contains malware or suspected phishing attacks. By default, this option is enabled.
- **Send a 'Do not track' request with your browsing traffic** - If enabled, this setting informs websites of your preference that they should not track your actions. Please note that, while this setting does afford an additional degree of privacy, websites and advertising networks are not legally compelled to honor these requests.


Further reading related to the topic of this page:


- [Managing Cookies](#)
- [Configuring Settings for Images, Java Scripts and Web Contents](#)
- [SSL Certificates and Secure Connections](#)

## 7.5. Using Comodo Dragon in Incognito Mode

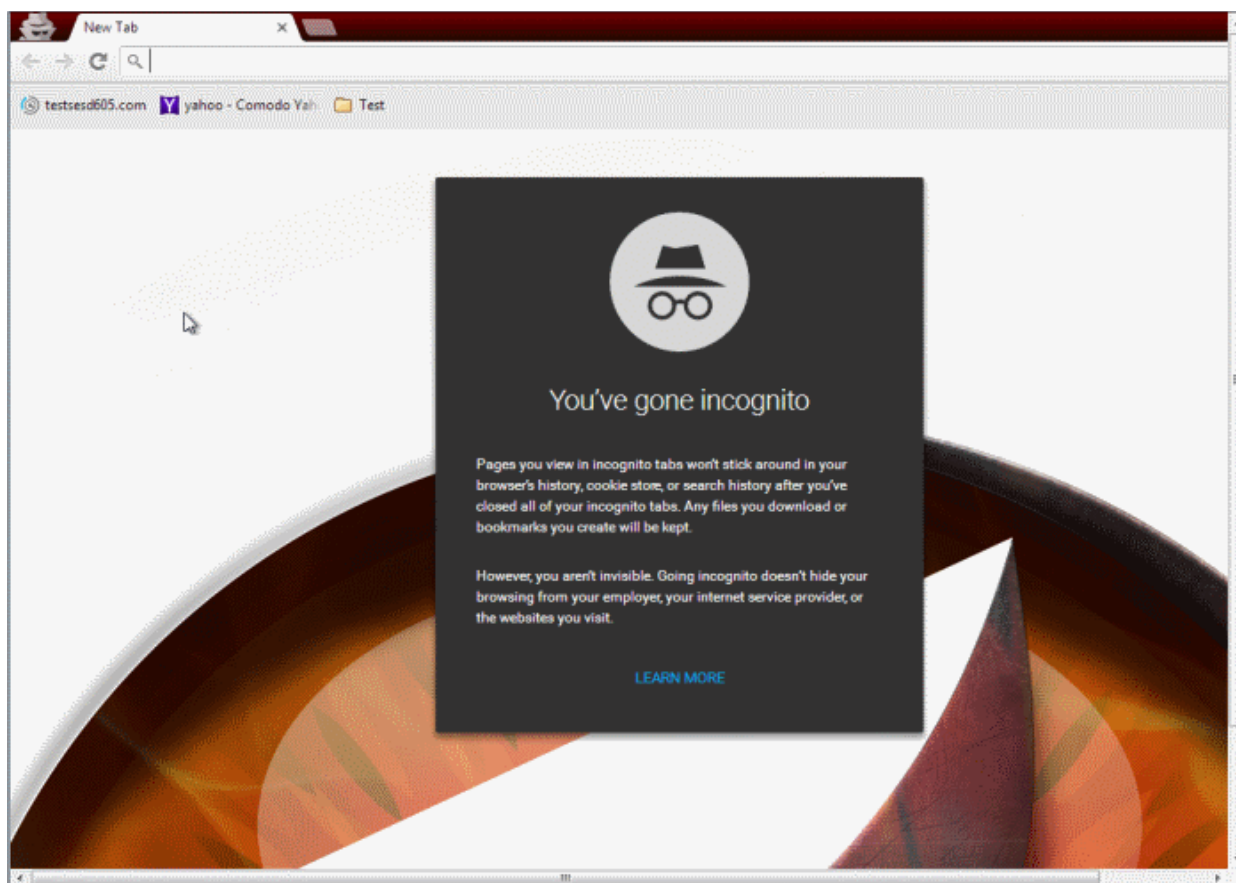
Incognito mode allows you to browse the Internet without leaving any browser traces - meaning you don't have to remember a bunch of browser clean-up actions like 'Clear History' or 'Clear Cookies' at the end of your session. When you use the browser in this mode, there will be no history and other traces such as cookies are removed. However, changes made to bookmarks and general settings in this mode are saved.

### To open an incognito window

- Click the menu  button located at the top-right corner.
- Select 'New incognito window' from the menu.

A new window with the  icon at the top left corner will open.

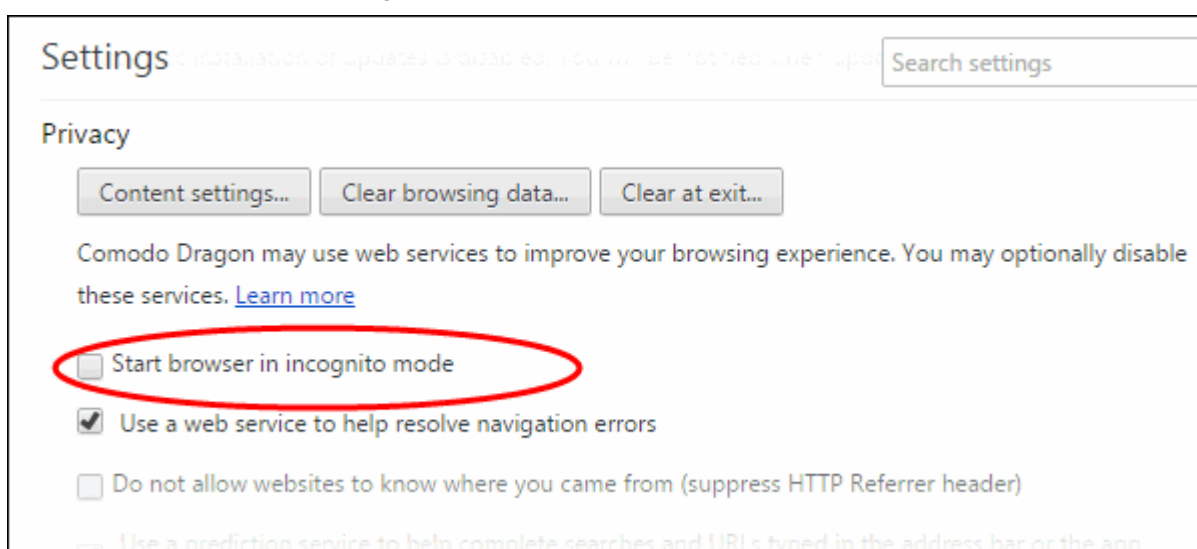




Please note that even though the browser do not store information about the website that you visit in this mode, the websites that you visited may still have information about your visit. Files downloaded and saved will remain in your computer.

### To automatically open browser in incognito mode

- Select 'Settings' > 'Show advanced settings' link > 'Privacy' section.
- Select 'Start browser in incognito mode' checkbox.



### Other ways to open in incognito mode

Right-click on any bookmark in the bookmark bar, bookmark manager or in the history page and select 'open in incognito mode' from the context sensitive menu.

## 7.6. Using Comodo Dragon in Virtual Mode

Virtual Mode allows you to surf the Internet with far greater protection against online threats. With this feature enabled, Comodo Dragon will run in a fully virtualized sandbox which is totally isolated from your real computer. Any threats, scripts or malware you may encounter while on the Internet will not be able to infect your real computer and all temporary Internet data will be written to a virtual file system.

Notes:

- To use virtual mode, Comodo Internet Security (CIS) 2013 or above must be installed on your computer. This is because CIS provides the underlying virtualization technology required by Virtual Mode. CIS is completely free of charge and features a fully-fledged antivirus scanner, an award-winning firewall, a host intrusion prevention system, a sandbox for untrusted software and many other essential security features.
- Read more about CIS and download from [www.comodo.com/home/internet-security/free-internet-security.php](http://www.comodo.com/home/internet-security/free-internet-security.php)
- Any files you want to download and keep must be saved to a special folder called 'Shared Space'. By default, this is located at:


C:\Program Data\Shared Space (Windows 7, Windows Vista)

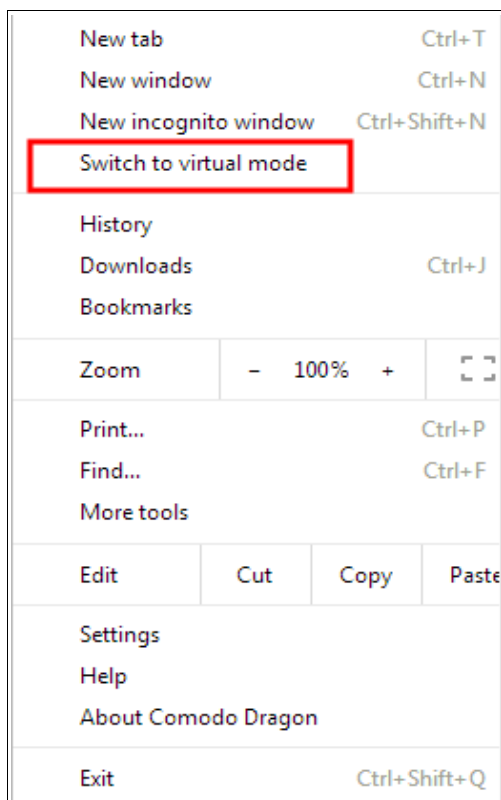
C:\Documents and Settings\All Users\Application Data\Shared Space (Windows XP)

- Alternatively, open Comodo Internet Security and click the 'Shared Space' button.

After entering 'Virtual Mode', we suggest you also engage 'Incognito' mode for additional privacy online. Search history, cookies and other traces are not created while in Incognito mode.

**To switch to virtual mode**

- Click the menu  button located at the top-right corner.
- Select 'Switch to virtual mode' from the menu



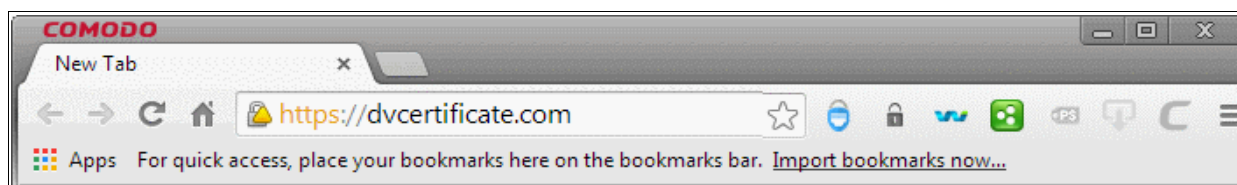
- If CIS is not detected, a new tab will open informing you about its unavailability in your system and allowing you to download it for installing.

## 7.7. SSL Certificates and Secure Connections

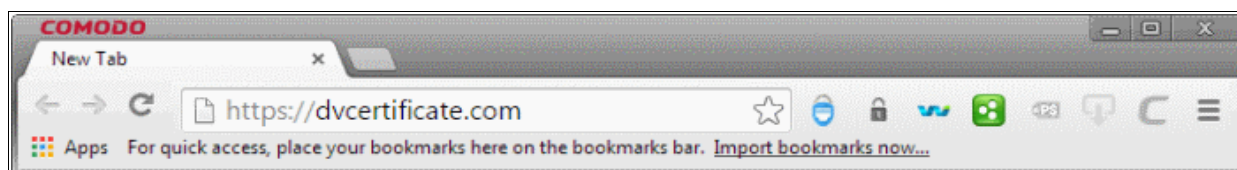
Whenever you successfully make a secure connection to a website, the beginning of the URL will change from HTTP to HTTPS (with the 'S' standing for secure) and a padlock will be displayed to the left of the address. This indicates that the page is using an SSL certificate to encrypt all communications between you and the website. However, not every type of certificate should be trusted to the same degree. Uniquely amongst browsers, Comodo Dragon distinguishes between all three types of SSL certificate and clearly indicates which type is being used by the website.

There are three main types of certificate - Domain Validated (DV), Organization Validated (OV) and Extended Validation (EV).

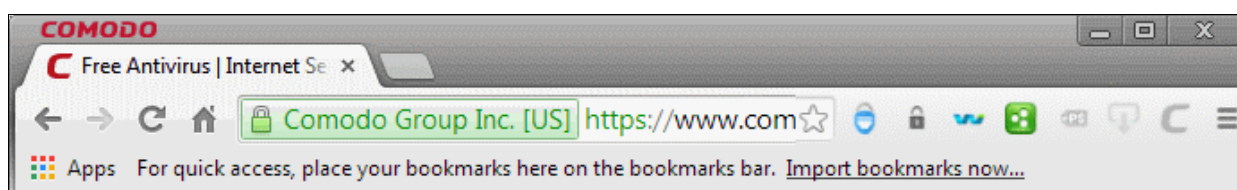
**Domain Validated (DV)** - These certificates are the lowest cost means of securing a website but do not provide authentication or validation of the business behind the website. Unlike EV and OV certificates, DV certs provide are validated and provisioned automatically via an online interface using a system of 'challenge-response' emails. If the site you are on is using a DV certificate then Dragon will change HTTPS to yellow and place a yellow alert symbol over the padlock. This is to inform you that the organization behind the website has not been authenticated so you may want to proceed with caution:



**Organization Validation (OV)** - These certificates include full business and company validation from a certificate authority using currently established and accepted manual vetting processes. Because of this requirement, these certificates provide significantly higher levels of trust and security than DV SSL certificates but are not validated to the stringent standards set by the CA/B forum and do not possess the ability to turn the address bar green in the latest browsers. If the site you are on is using an OV certificate then Dragon will display the padlock and HTTPS in a green color. This is to inform you that the business behind the website has been validated and it is safe to proceed with any transaction:



**Extended Validation (EV)** - EV certificates are validated to the rigorous guidelines set by the CA/B Forum - an independent standards body that requires in-depth verification of the legality and probity of a company before it is issued with a certificate. Because of this, EV certificates provide the highest levels of security and trust to end-users. To indicate this higher level of trust, Comodo Dragon turns the entire address bar green if you are on a site which is using an Extended Validation certificate:



Users can enable or disable this feature in the HTTPS/SSL section of 'Settings' > 'Show advanced settings' link. Refer to the section [SSL/HTTPS Security Settings](#) for more information.

### Background Information

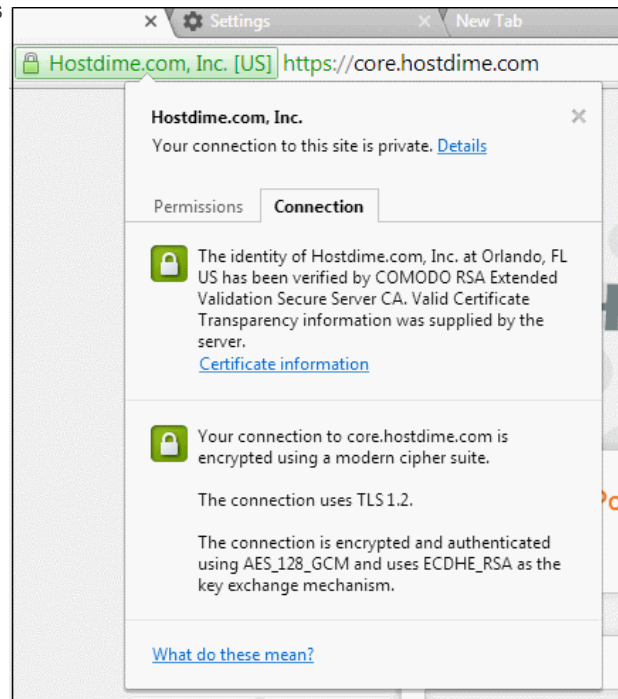
An SSL Certificate can only signify that it is safe to trade with a company when two vital steps are completed prior to its issuance:

1. Verification that the certificate applicant is in control of the domain name.
2. Verification that the certificate applicant is a legitimate and legally accountable business.

DV certs only establish 1) whereas OV and EV certs establish both 1) and 2)

Trust between the person using the browser the website they are connected to is only possible when BOTH these stages of validation are completed. Step 2) is carried out by a Certificate Authority (CA) such as Comodo or Verisign. A CA employs human operatives to carry out strict vetting of the applicant's business and legal standing. Only once this layer of company validation has been completed can a website be truly 'trusted'.


High Assurance certificates show the full company name and address - indicating that background checks were run prior to the certificate being issued to the organization.



## 7.8. SSL/HTTPS Security Settings

The 'SSL/HTTPS' security setting allows you to view and modify settings relating to SSL certificates and security protocols.

To view and manage these settings:

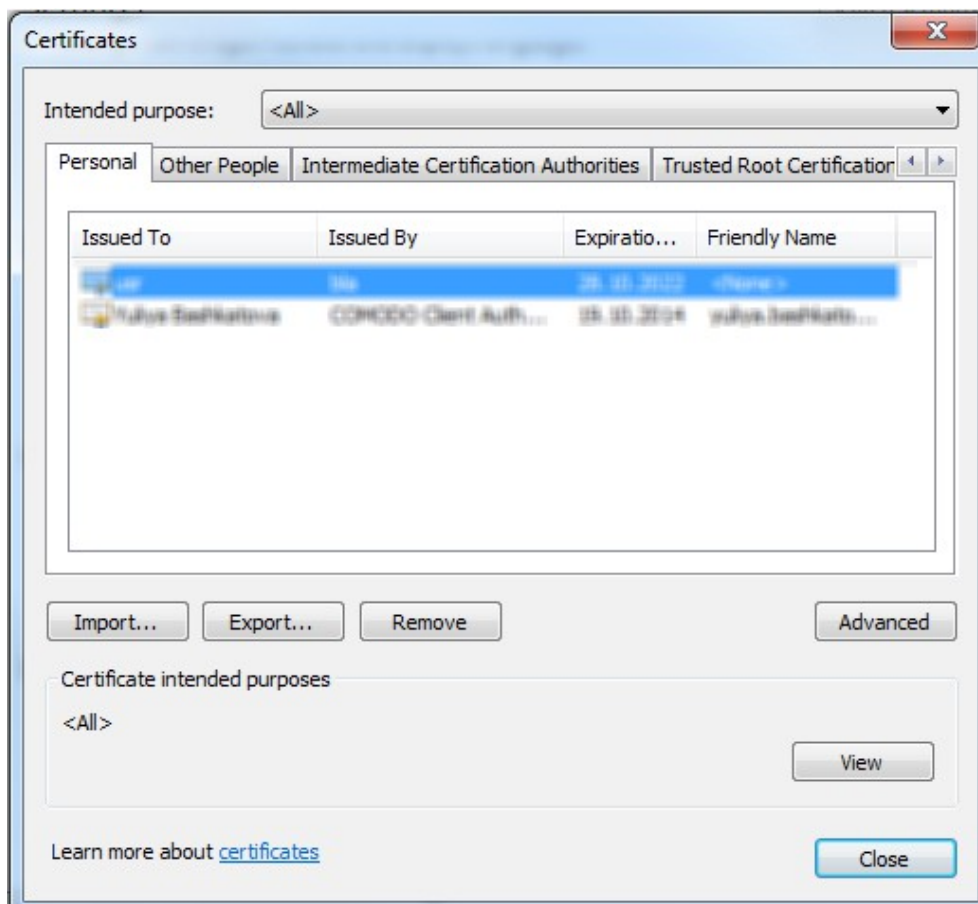
- Click the menu  button located at the top-right corner.
- Select 'Settings' > 'Show advanced settings'
- Scroll down to the HTTPS/SSL section



**Manage Certificates** - Opens the Windows SSL certificate store. This allows you to view, import, export or remove personal certificates and other peoples certificates as well as manage the built in list of trusted root certificate authorities.

## To manage certificates

- Click 'Manage certificates'.
- The 'Certificates' dialog will be displayed:



The Certificates manager has the following tabs:

- Personal - displays your own client/secure-email certificates
- Other People - displays a list of client certificates belonging to other people (usually your contacts)
- Intermediate Certificate Authorities - displays a list of intermediate certificates. This type of certificate forms a link in the chain of trust between a certificate on a website and a trusted root certificate.
- Trusted Root Certification Authorities - displays a list of trusted root certificates
- Trusted Publishers - a publisher is a developer who has created a macro, ActiveX control, add-in, or other application extension for use by you and other people. Trusted publishers are reputable developers.
- Untrusted Publishers - a list of untrusted publishers

The dialog enables you to: Import, Export, Remove your certificates

## To import certificates

- Click 'Import'.
- Follow the Certificate Import wizard.
- Select the file you want to import and click 'Next'.
- Choose a password which you can remember later. Click 'Next', then check 'Mark this key as exportable. This will allow you to back up or transport your keys at a later time' and 'Include all extended properties'.

- Select Personal Certificate Store you want to save the certificate to.
- You will see a confirmation screen listing the settings you have chosen. Click 'Back' if you wish to amend any details. Click 'Finish' to import the certificate.
- Once finished, the certificate and associated private key is saved as a .pfx file. You can export this into other browsers and mail clients as required.

## To export certificates

- On the 'Personal' tab, select the certificate you wish to back up and click 'Export'.
- Follow the Certificate Export wizard.
- When requested, select 'Yes, export the private key'
- Leave the 'Type' as 'Personal Information Exchange (\*.pfx)' and select 'Include all certificates in the certification path, if possible'. Click 'Next'
- Choose a password which you can remember later. Click 'Next'
- First create a file-name for the exported .pfx then click the 'Browse' button to choose where you want to save the file to.
- You will see a confirmation screen listing the settings you have chosen. Click 'Back' if you wish to amend any details. Click 'Finish' to export the certificate.
- Once finished, the certificate and associated private key is saved as a .pfx file. You can import this into other browsers and mail clients as required.

## To remove expired or revoked certificates

- Select the certificate to be deleted and click 'Remove'.



- Click 'Yes' in the confirmation dialog.

**Note:** If you delete your currently active certificate, you will not be able to use it for identifying yourself to the websites that require it.

The advanced options dialog displays a list of certificate purposes under 'Advanced Purposes'.

## Viewing certificate details

First, select the certificate and click 'View'. The General, Details information and Certification Path will be displayed under the respective tabs in the 'Certificate' dialog.

## 7.9. Blocking Insecure Content

You will see this message if the webpage you are visiting a page over an HTTPS connection but the page is attempting to run non-secure elements.

If a website is secured using HTTPS then all javascript, plugins and CSS stylesheets used by the page must also be

securely delivered. If these other items are not secured then, potentially, hackers could interfere with the website and modify them for unauthorized purposes. If insecure elements are allowed to run then the page cannot be considered as 'HTTPS' secured.

When Comodo Dragon first encounters this issue on an insecure page, it performs these actions:

- Loads only the secure items on the page
- Does not load any insecure items
- Presents the 'This page has insecure items' message bar

This means the page is still HTTPS as it stands because Dragon has only loaded the secure items. However, because the page is not running certain items, it may cause the page to display incorrectly. Clicking 'Don't Load (recommended)' will maintain the situation described above and all data on the page will be secured. You will see this message if the webpage you are visiting a page over an HTTPS connection but the page is attempting to run non-secure elements.

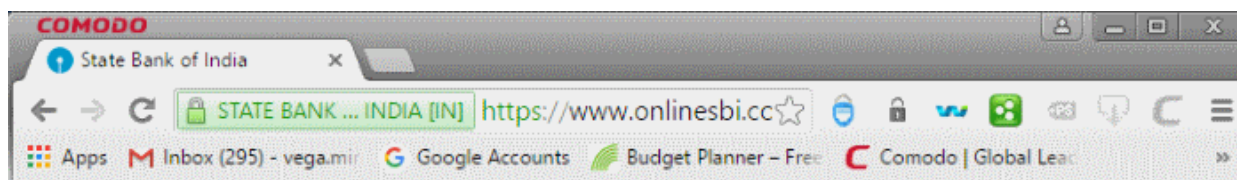
Developers and advanced users can see which scripts have been blocked by clicking the Comodo Dragon menu located at the top-right corner then selecting 'More tools' > 'Developer tools'.

## 7.10. Force Secure Connections

The 'Force Secure Connections' feature allows a user to specify that all future connections to a particular website are made with a secure HTTPS connection for all the webpages in that site. This feature is designed for websites that have an SSL/TLS certificate installed, but have chosen to default to HTTP on some or all of their pages. You also have the option to enforce HTTPS connectivity for its sub-domains also.

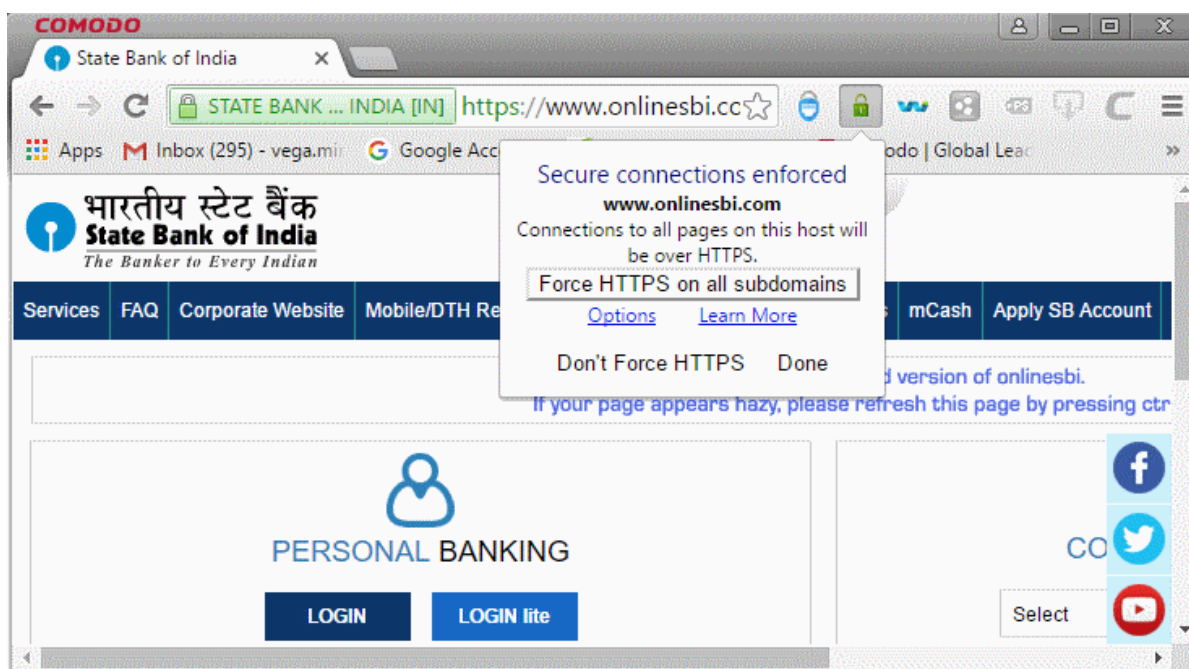
Please note that the Force Secure Connection is now available as a default extension in the Comodo Dragon browser.

When you visit a site using a HTTPS connection, Comodo Dragon will display a padlock icon on the right hand side of the address bar:



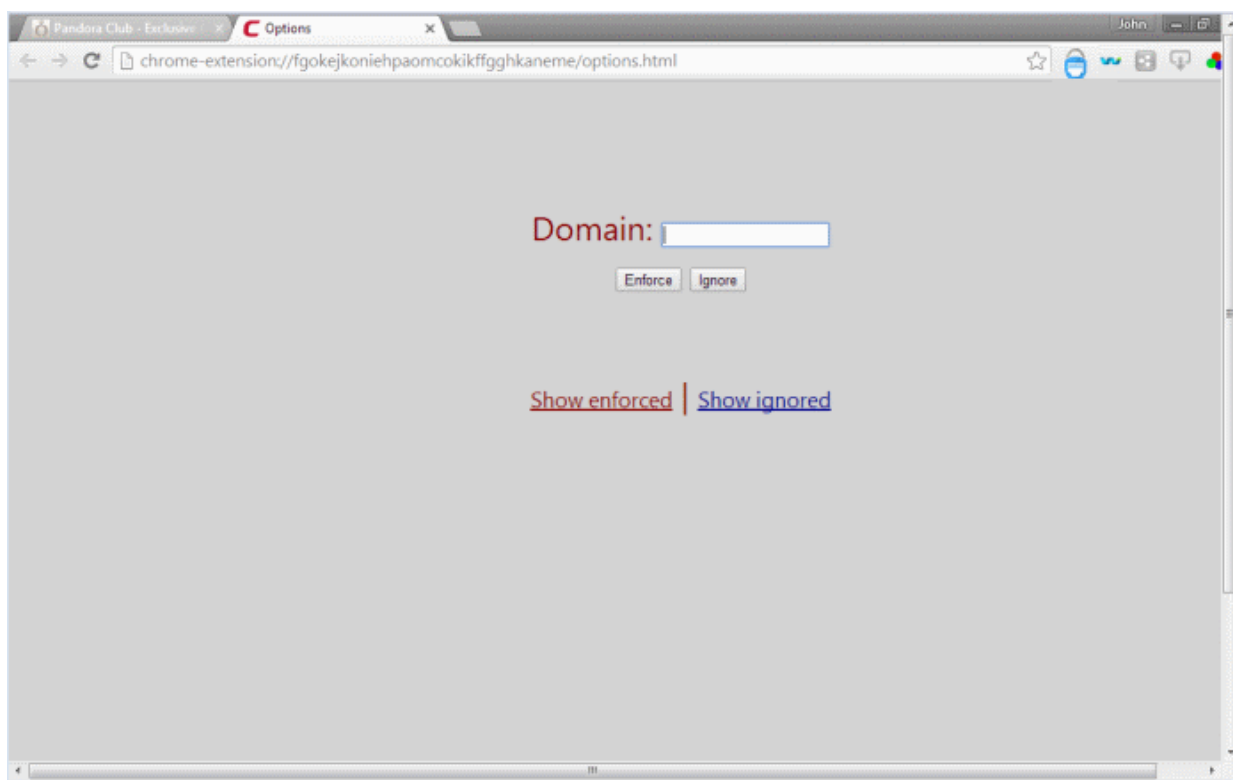
By default, the 'Enforce Secure Connections' padlock on the right is gray, meaning secure connections are not yet enforced. No additional actions will be performed if the page is loaded again.

Click the padlock icon to enforce secure connections:



- The padlock will turn green, meaning secure connections are enforced on all pages in the domain for this session and all future visits
- All information exchanged between you and this website will be encrypted using the strongest available algorithms
- Check 'Force HTTPS on all sub-domains' if you want secure connections throughout the domain
- Click 'Done' (or click outside the message box) to confirm you want secure connections enforced
- If you wish to disable forced secure connections, click 'Don't force HTTPS'
- Click the 'Options' link to create a list of websites that you want to enforce or ignore secure connections

The page to add websites will be displayed:





- Enter the URL in the 'Domain' text field and click Enforce/Ignore
  - Enforce - Enforces secure connection for pages that are secured but not enabled by default.
  - Ignore - Secure connection will not be enforced.
- Click 'Show enforced' / 'Show ignored' to view the list

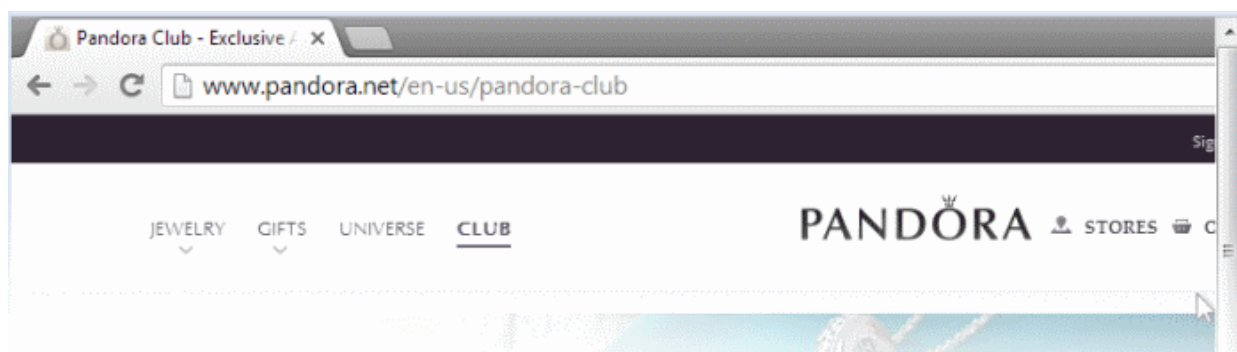


- Click the 'X' mark beside a URL to remove from the list.

Please note that an error 'Page does not exist' will be displayed if you enforce secure connections for webpages that are not enabled for secure connections.

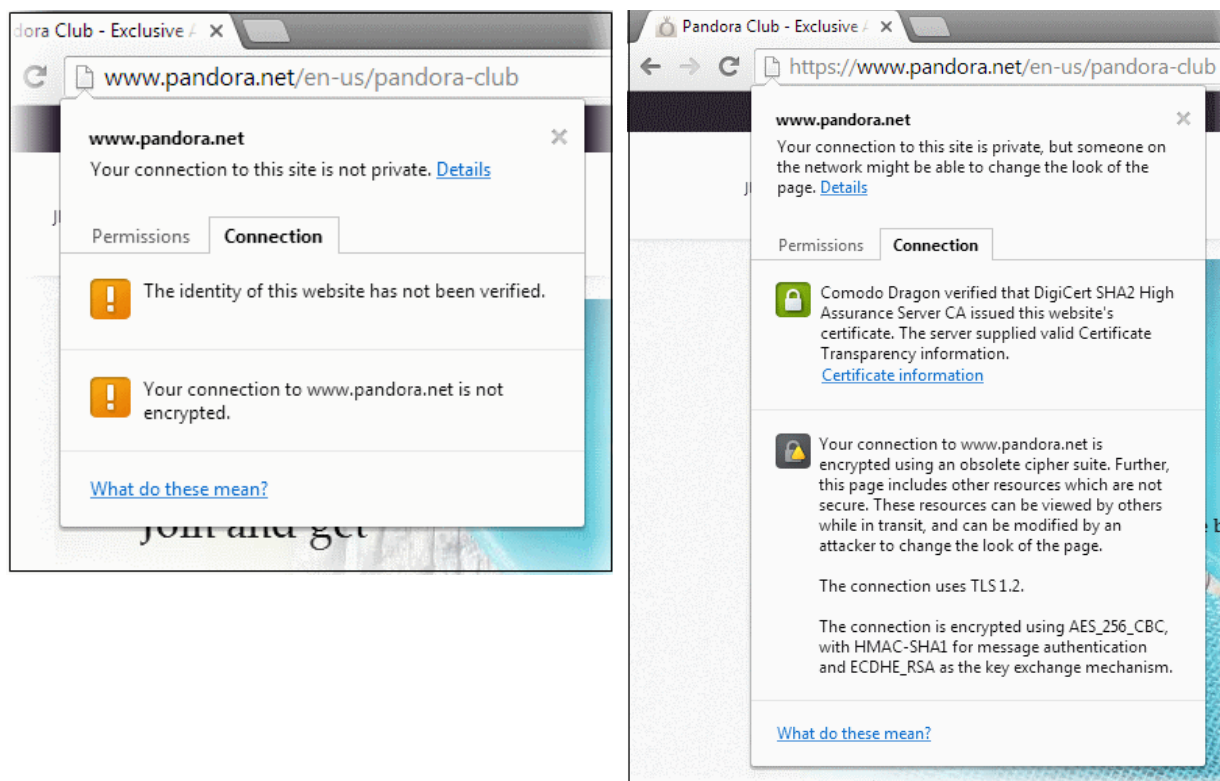
### Example usage

This feature is particularly useful for websites that do not, by default, use secure connections on their login pages. For example, the Pandora sign-in page does not ordinarily have HTTPS connections on its log-in page. Note the address is plain HTTP instead of HTTPS - the 'S' stands for secure:



It's possible your credentials may still be posted to HTTPS once you click the 'Sign in' button, but the absence of a certificate on this page means you cannot verify the authenticity of the website. Furthermore, loading the sign-in page over HTTP also means you cannot verify the page's integrity - it may have been modified by a 3rd party before

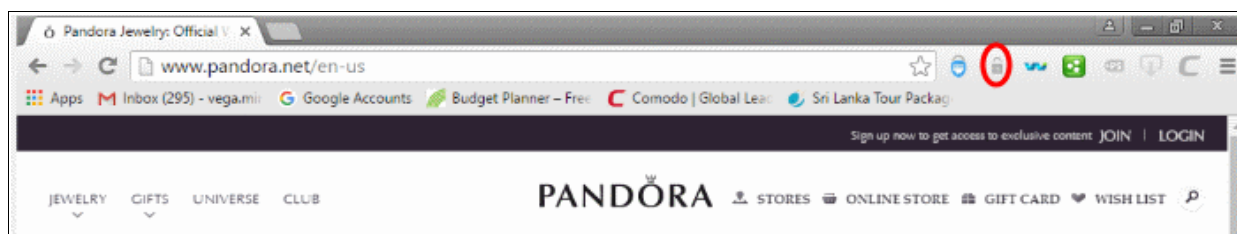
it loaded in your browser.



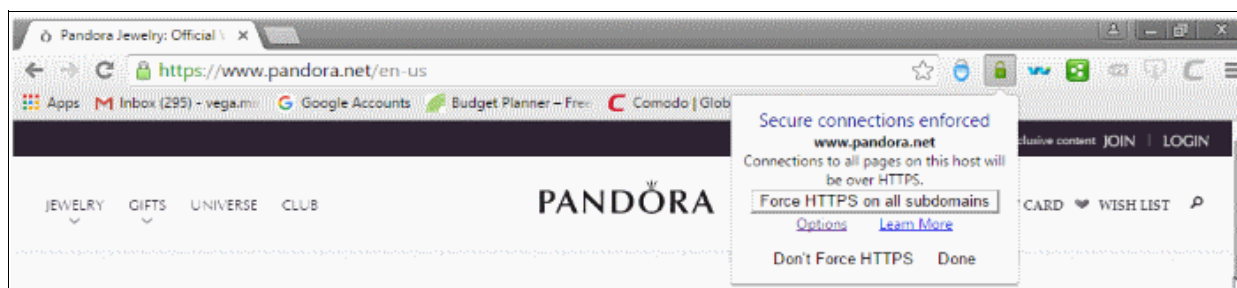
With a HTTPS connection, you can click the lock on the left of the address bar to view the website's SSL certificate. Apart from encrypting the information you submit and ensuring page integrity, the certificate also contains critical website identity information which allows you to verify that you are connected to the genuine Pandora website.

To force secure connections on the Pandora log-in page:

- You first have to physically change www.pandora.com to https://www.pandora.com
- Do this by placing your mouse cursor in the Dragon address bar and typing 'https://' before www.pandora.com so the full URL says https://www.pandora.com
- Press enter. The page will re-load with a secure connection and thus make available the 'Force Secure Connections' padlock on the right:



- Click the padlock to enforce secure connections. All future visits to the Pandora log-in page will be automatically conducted over a secure, encrypted connection:



## 7.11. CertSentry

### Introduction

Comodo CertSentry software is designed to provide real-time checking of the revocation status of website SSL certificates. Once installed, CertSentry is invoked whenever you run any application that uses the standard Microsoft CryptoAPI.

The ambitions of the application are two fold. Firstly, it is designed to implement effective, SSL revocation checking on popular Windows software such as Chrome, Internet Explorer, Dragon and Outlook. Secondly, CertSentry represents an effort to discover more information about the health of the current revocation checking infrastructure by collecting statistics about the response times of Online Certificate Status Protocol (OCSP) responders operated by Certificate Authorities (CA's). Sharing the data gathered by CertSentry with other CA's and **major** Internet browser providers like Mozilla, Google and Microsoft will, we hope, provide organizations like the Certificate Authority/Browser (CA/B) forum with the information they need to implement a viable, long term strategy regarding certificate revocation checks.

### Key functionality and features:

Once installed, CertSentry will become the default SSL certificate revocation provider for Windows. The host application loads certsentry.dll into its process space whenever the host application requests a certificate revocation check. Host applications include browsers such as Dragon, Chrome and Internet Explorer and mail applications such as Microsoft Outlook.

CertSentry will re-enable Online Certificate Status Protocol (OCSP) checking within Google's Chrome browser. OCSP checking was recently disabled by Google.

CertSentry is also designed to gather statistics on the health of the current revocation checking infrastructure. No personal or identifying data about you or your Internet usage is included in these statistics. All that is revealed is the issuing (root) CA certificate involved in the OCSP check - not the end-entity certificate of the website in question. In other words, it informs us that a revocation check was made for a certificate on an (unknown) website and that the certificate was issued by Certificate Authority X. It also tells us whether the request was answered, the speed of the response and the type of response. It does not inform us of the URL of the website on whose behalf the check was initiated. The data we receive will be enough to compare and contrast the performance and availability of each CA's revocation servers. CertSentry is designed to send it's logs to the CertSentry server every 24 hours and they can be found at the following locations:

Windows XP

C:\Documents and Settings\<USERNAME>\Local Settings\Application Data\CertSentry

Windows Vista/7 C:\Windows\system32\config\systemprofile\AppData\LocalLow\Comodo\CertSentry

CertSentry also provides the option to 'hard fail' certificate revocation checks. Ordinarily, if a browser receives no

answer to a revocation check then the browser simply assumes the certificate is valid (not revoked) and allows the connection to proceed. This is known as a 'soft fail'. On the other hand, browsers that are set up to 'hard fail' will treat this lack of response as meaning the certificate is invalid (revoked) and will block connections to the website. While soft fails obviously present a potential security issue, enabling a hard fail could lead to an increase in rejected connections if the OCSP responder operated by the CA cannot be contacted for technical reasons. By default, hard-fail is not enabled in CertSentry. To enable it, please add one of the following values to your Windows registry as a REG\_DWORD type:

**To enable "hard-fail" only for certificates issued by Comodo's CA system:**

HKEY\_LOCAL\_MACHINE/SOFTWARE/COMODO/CertSentry/COMODOFailureMode (value "2")

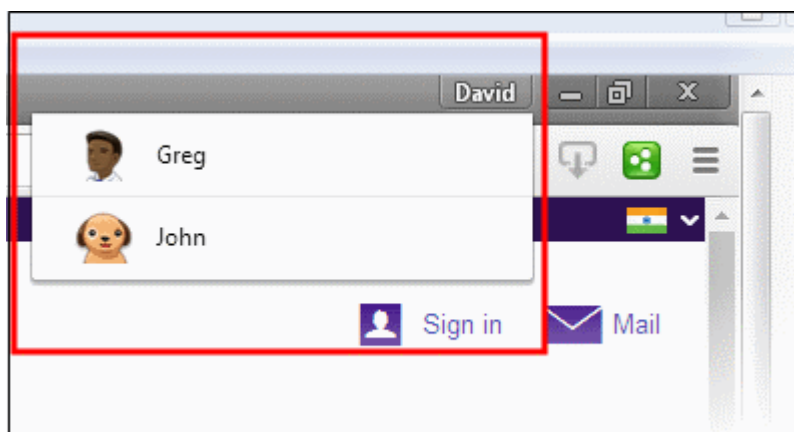
**To enable "hard-fail" for all certificates from all CAs:**

HKEY\_LOCAL\_MACHINE/SOFTWARE/COMODO/CertSentry/DefaultFailureMode (value "2")

Please restart your system to apply your changes.

## 7.12. Managing Multiple Users

Comodo Dragon allows multiple users to quickly access their 'own' copy of Comodo Dragon. Each user can link their Dragon username to a Google account and so synchronize and use their own bookmarks, themes, extensions and other browser settings. Once created, users can easily switch to their profile by selecting their user icon at the right of the browser window:



Please be aware this feature is intended to be a simple way of allowing different people (friends/family) who are already sharing Comodo Dragon on the same computer to quickly access a personalized version of the browser. It does not offer true privacy and data security against other people using your computer. For true data privacy, please use your operating system's built-in user accounts.

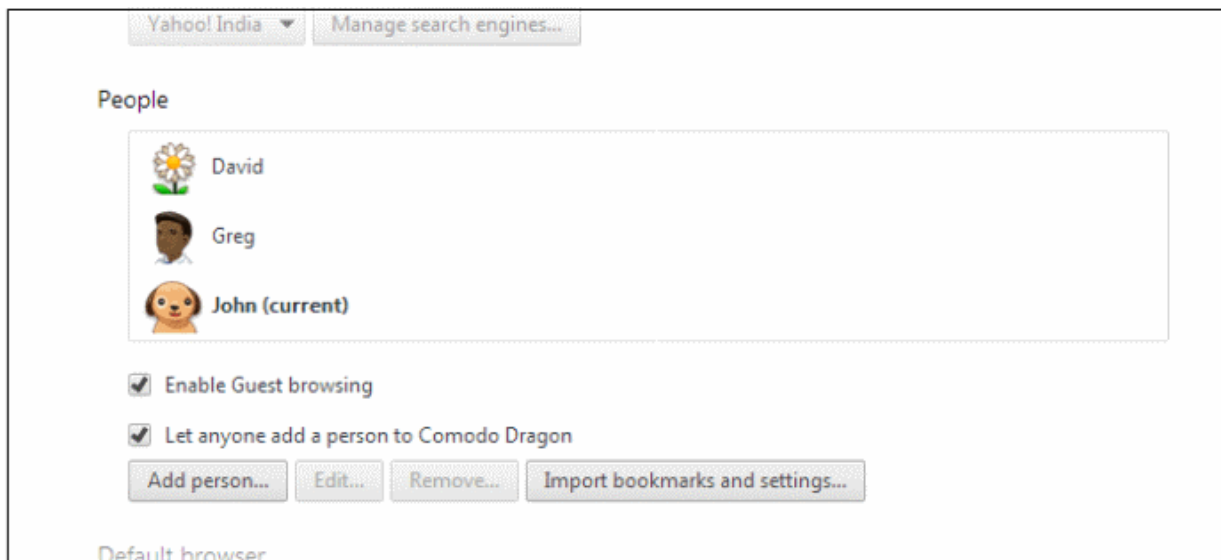
The 'People' settings allows you to,

- **Enable Guest browsing.** This settings allows you keep your account private while your guest are browsing the Internet on your computer. That does not leave any browsing history or cookies on your computer
- **Let anyone add a person to Comodo Dragon.** This settings is enabled by default and once your account is set up or you're logged in, anyone is allowed to gain access to Dragon.

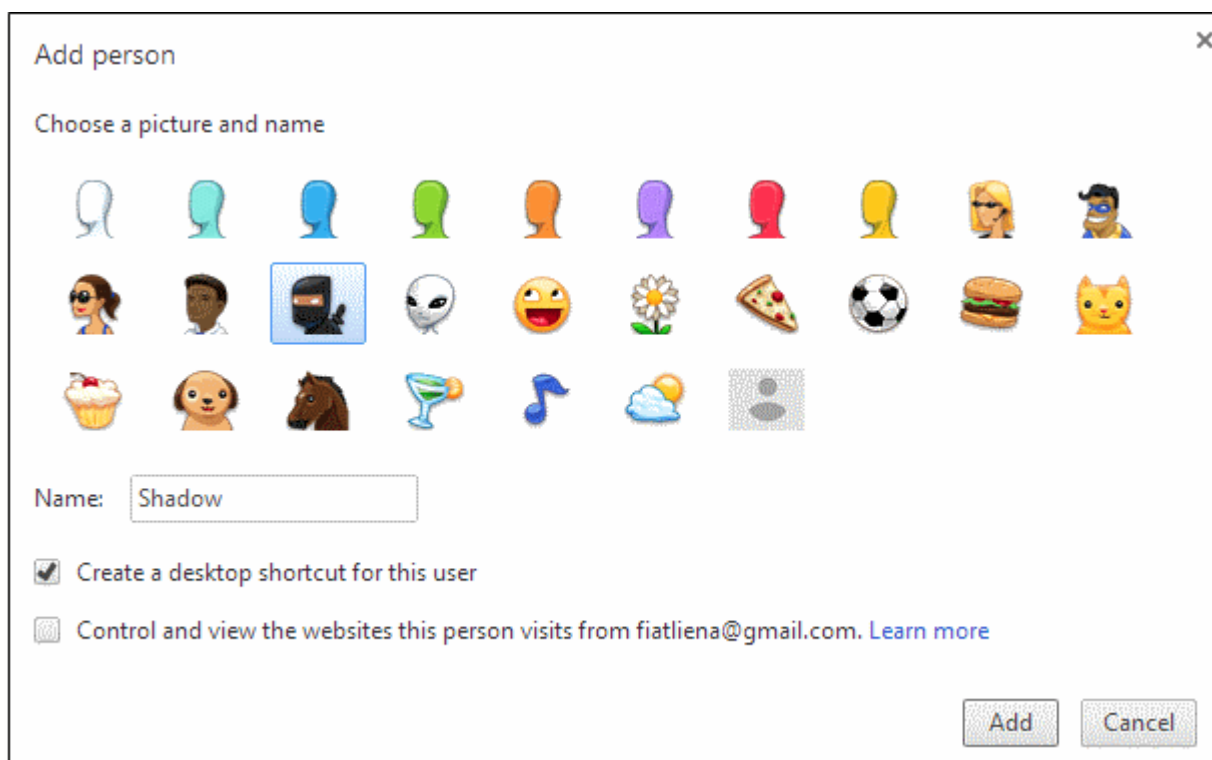
**To add a new user**

- Click the menu  button located at the top-right corner.

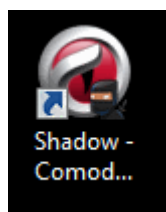
- Select the 'Settings' from the menu > 'People' section
- Click 'Add person'



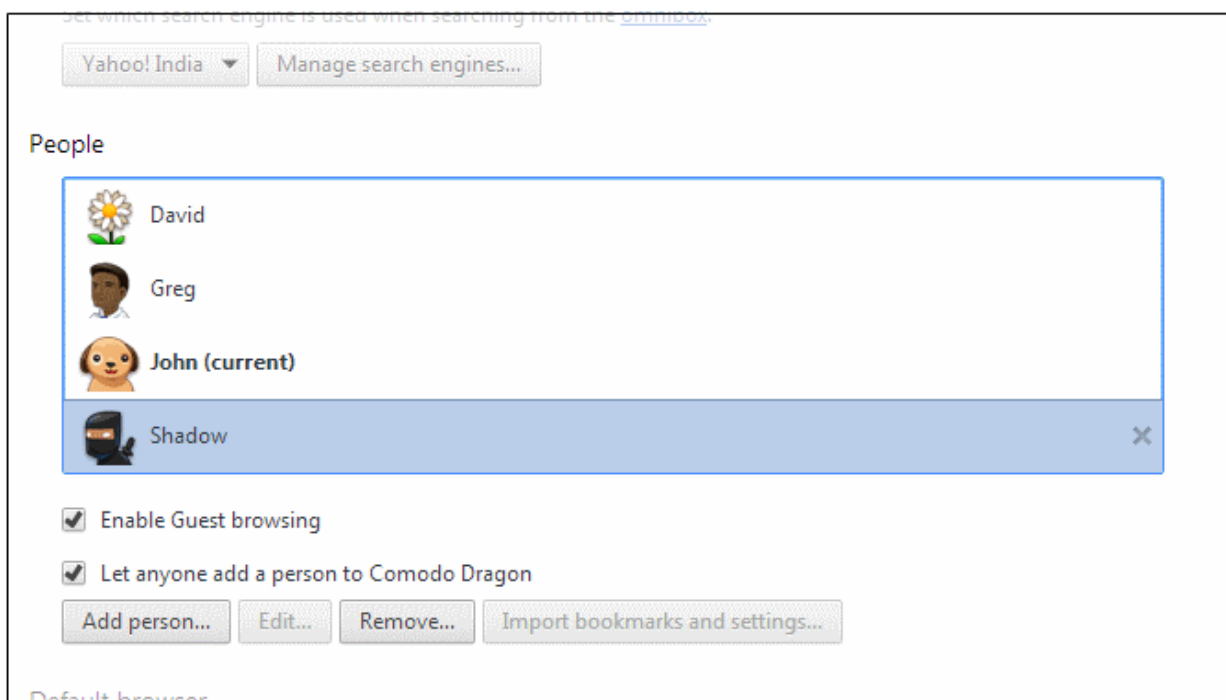
- The 'Add person' confirmation dialog will appear
- Select a picture and type a name for the new Dragon user



- Select a picture and type a name for the new Dragon user.
- Leave enabled 'Create a desktop shortcut for this user' checkbox to create a shortcut to their favorite profile and launch it directly from the desktop.



- If you want to create a new supervised user, select 'Control and view the websites this person visits from....' checkbox. For a supervised user you can:
  - allow or prohibit certain websites
  - review websites that the user has visited and
  - manage other settings
- You can sign in to Dragon to access browser settings, such as bookmarks and apps, that have been synced to your Google Account. Refer to [Enabling/Disabling Sync Settings](#) for more details.
- Click 'Add'. A new user window will be created.



- Click 'Edit' to choose another picture profile or change your name
- Click 'Delete' to remove your current account and all data associated with it from your computer.
- Click 'Import bookmarks and settings' to import your bookmarks from another browser. Refer to [Importing and Exporting Bookmarks](#) for more details.

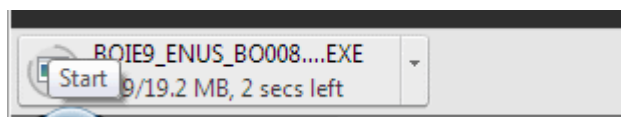
## 8. Downloads

This section of the guide explains how to download a file from the Internet, change the download location in your computer, clear download history and see download history. Click the following links to know more.

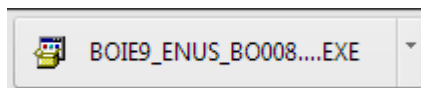
- [Downloading a File](#)
- [Changing Download Location](#)
- [Viewing Download History](#)
- [Clearing Download History](#)

### 8.1. Downloading a File

When you start downloading a file from the Internet, Comodo Dragon displays download progress at the bottom of the interface:



- The file will be available after the download is complete. Click the filename to open the file:



By default, Comodo Dragon saves downloaded files to C:\Users\\Downloads.

Comodo Dragon will alert you if a file is not safe to download:

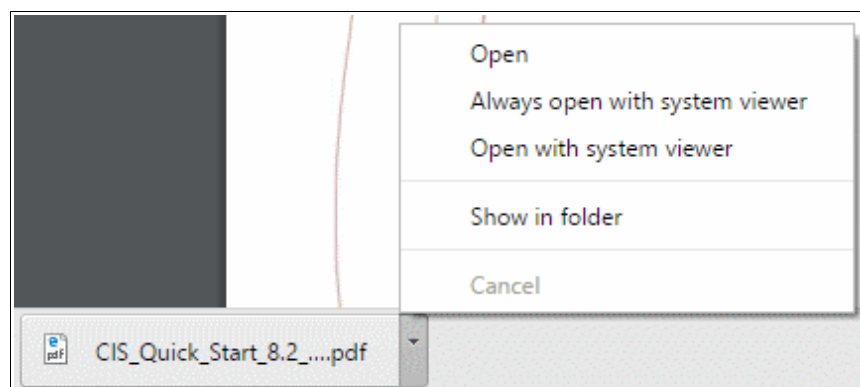


- Click the 'Discard' button if you are not sure about the file.
- Click the 'Save' button to start the download.

### To pause or cancel a download.

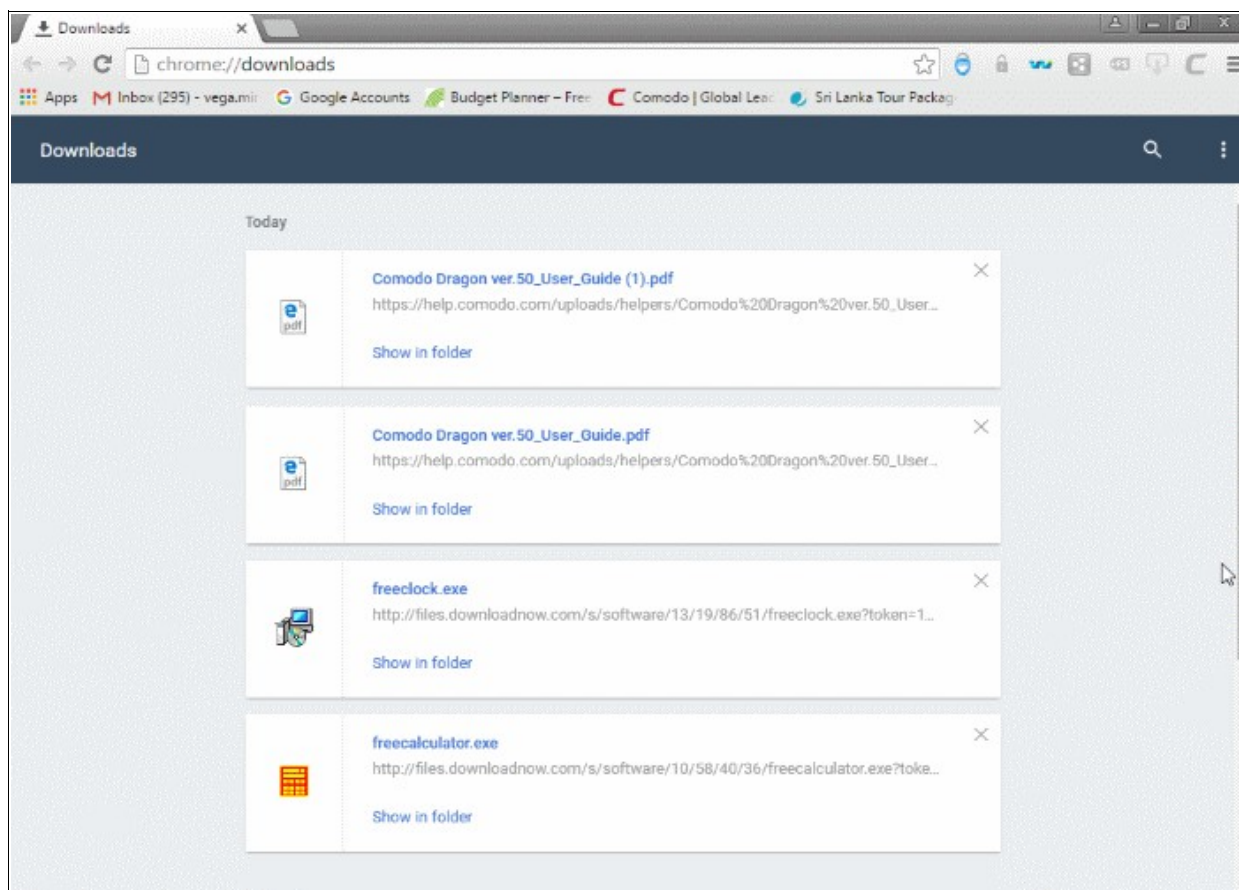
You can pause or cancel a download in progress.

- Click the arrow adjacent to file that is downloaded in the download bar.




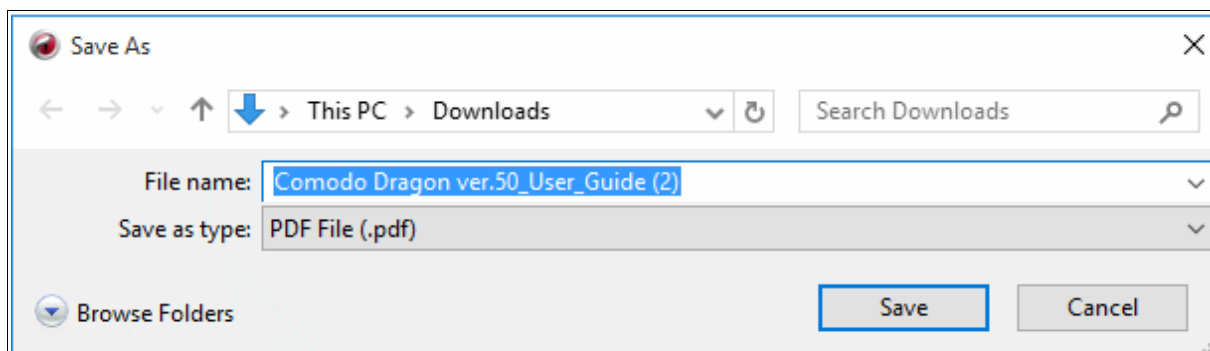
- Select the 'Pause' or 'Cancel' in the pop-up menu.
- Click the 'Show in folder' to view the location of the folder in your computer. Click here to know more about changing the default download location.
- Click the 'Always open files of this type' to open automatically after the download is complete. Please note that this option is not available for executable file types, for eg., .dll, .exe etc.

You can also pause or cancel in the 'Downloads' page.



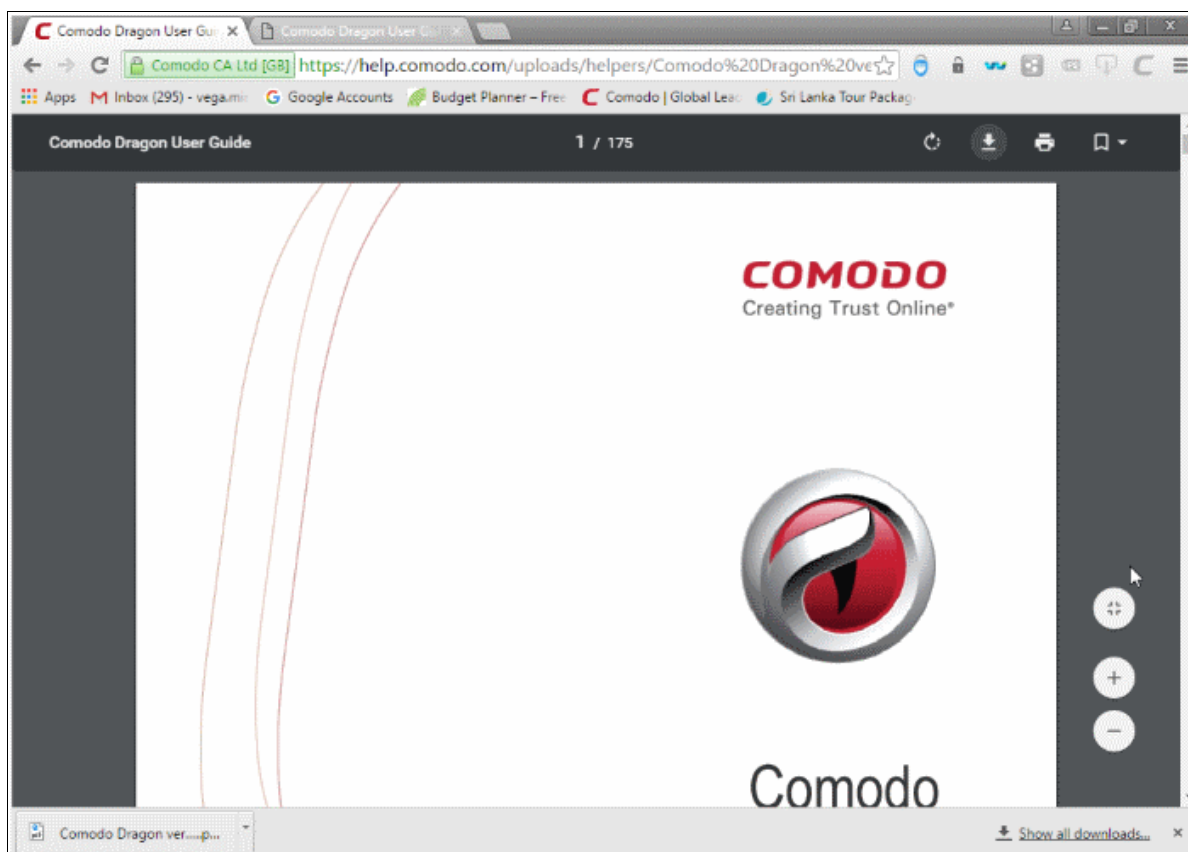
- Click 'clear all' at the right side of download bar to clear all downloads.

Alternately, you can download, when the pdf opens as a link, click  and you will be asked for a location to save the pdf file.



- Dragon will display the Save dialog to get your file location.
- Click 'Save'.





- You will view the automatic file download progress on the bottom left corner of the browser from where you can go to the file location.


Further reading related to the topic of this page:

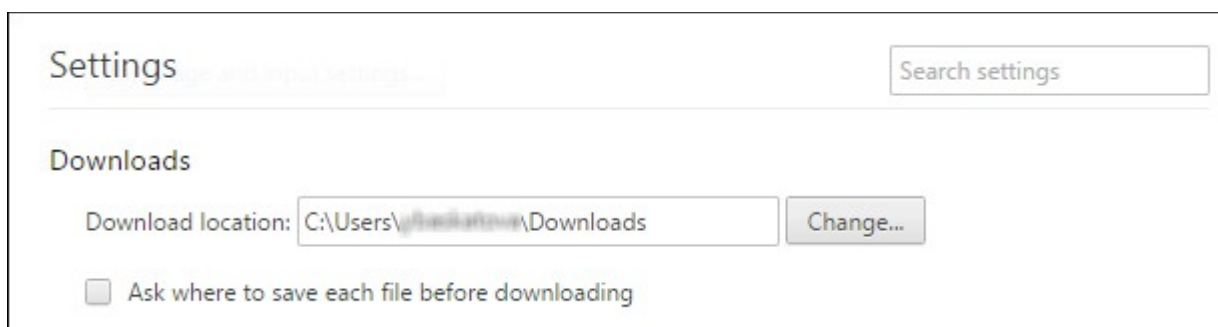
- [Changing Download Location](#)
- [Viewing Download History](#)
- [Clearing Download History](#)

## 8.2. Changing Download Location

By default, Comodo Dragon saves all downloaded files in the location 'C:\Users\\Downloads'. You can change this location or change settings so that you are asked for the location every time you start the download.

**To change the download location**

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu and choose from 'Show advanced settings' link.



- In the 'Downloads' section, click 'Change' and select the location where you would like to save the download files.
- Select 'Ask where to save each file before downloading' to select a specific location for each download.

## Automatic Downloads

To know more about automatic downloads, refer' [Set Automatic Downloads on Dragon](#)'


Further reading related to the topic of this page:

- [Downloading a File](#)
- [Clearing Download History](#)
- [Viewing Download History](#)

## 8.3. Clearing Download History

Comodo Dragon allows you to selectively or entirely remove downloads from the download list.


### To remove specific items from download history

- Click the menu  button located at the top-right corner.
- Select 'Downloads' from the menu.

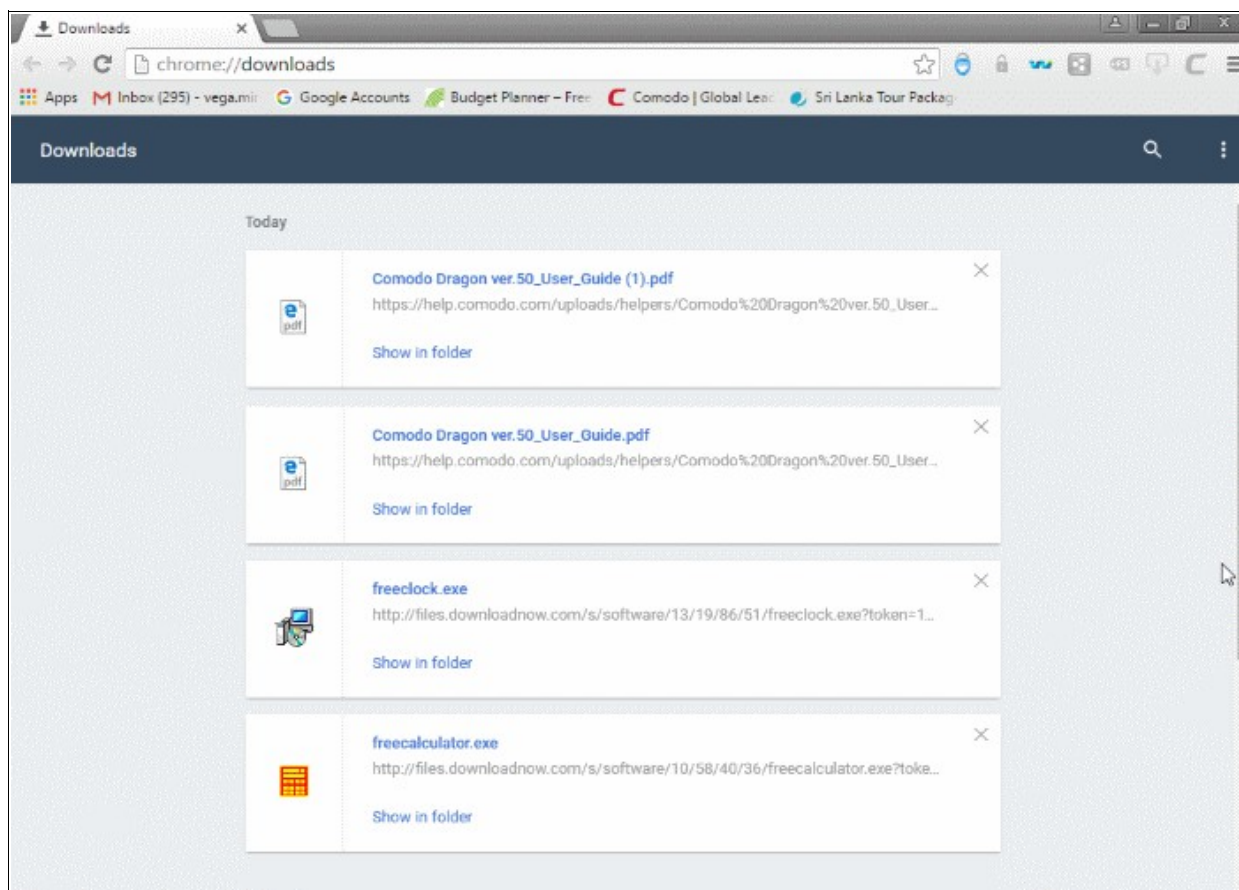
The Downloads page will be displayed.

- Click the 'Remove from list' link to remove the item.

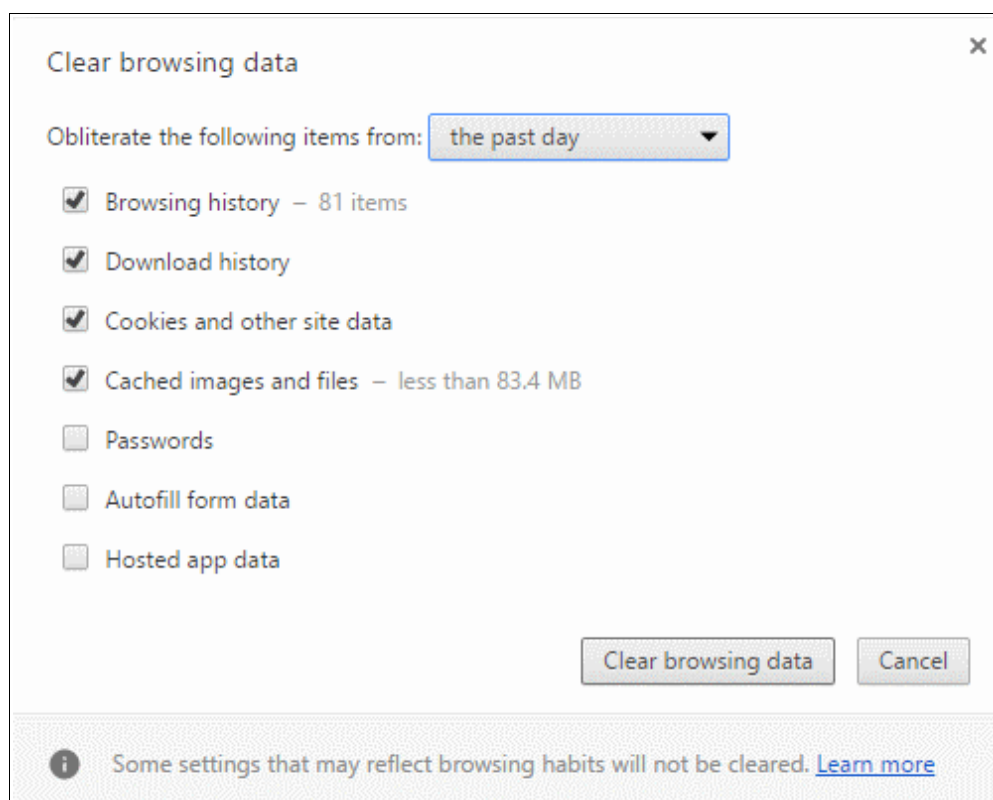
### To clear your download history

- Click the menu  button located at the top-right corner.
- Select 'More tools' from the menu.
- Select 'Clear browsing data'.

The Clear Browsing Data dialog will be displayed.



- Select the 'Download history' checkbox.
- Select the period for which you want to delete the download history from the 'Clear data from this period' drop-down box.
- The browsing items will be displayed along with memory of files in history.



- Click the 'Clear browsing data' button.

The download history for the selected period will be deleted from the list. Please note that the downloaded files will remain in your computer.

You can clear all the items by clicking the 'Clear all' link located at the right side in the 'Downloads' page.

Further reading related to the topic of this page:

[Downloading a File](#)


[Changing Download Location](#)

[Viewing Download History](#)

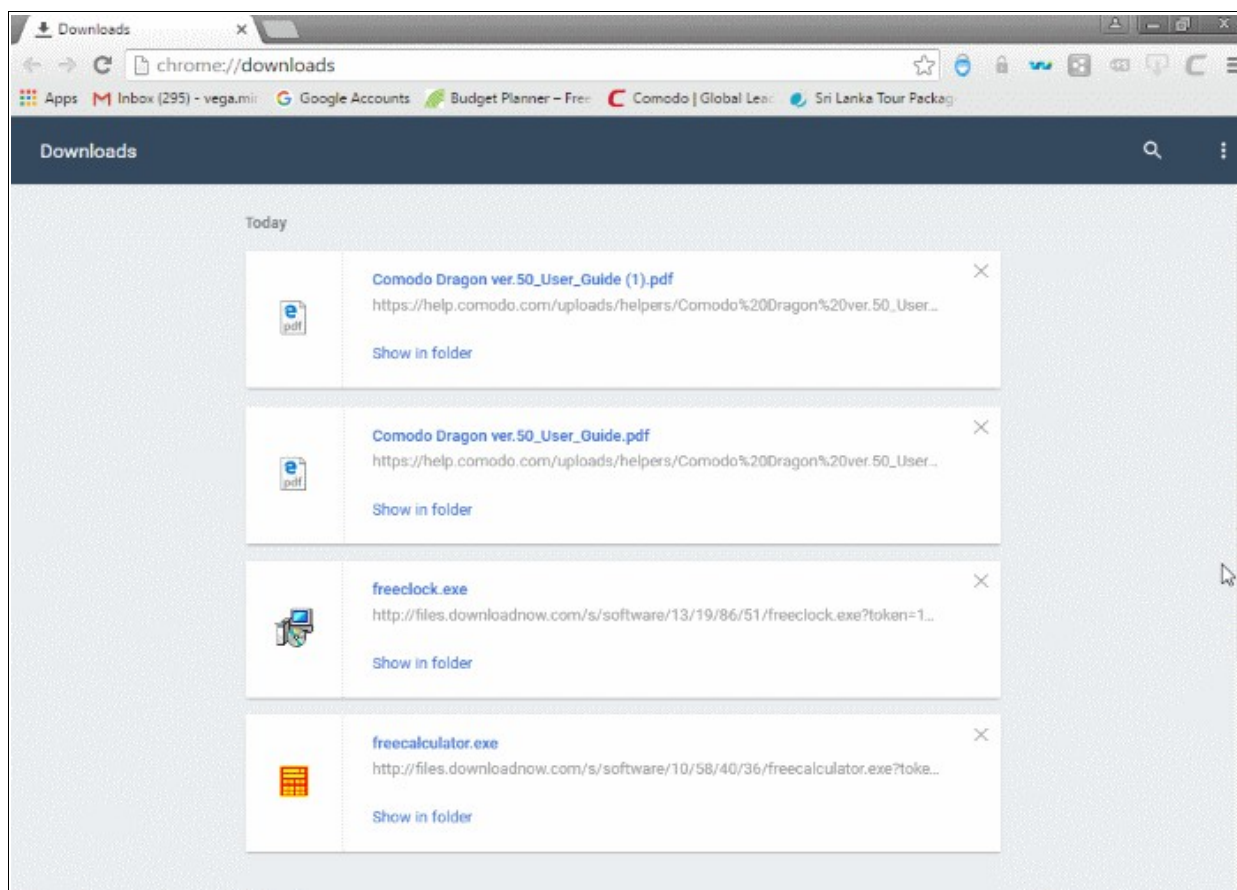
## 8.4. Viewing Download History

You can view and manage the list of downloaded files in the Downloads page. The files are listed in chronological order.

To view your download history

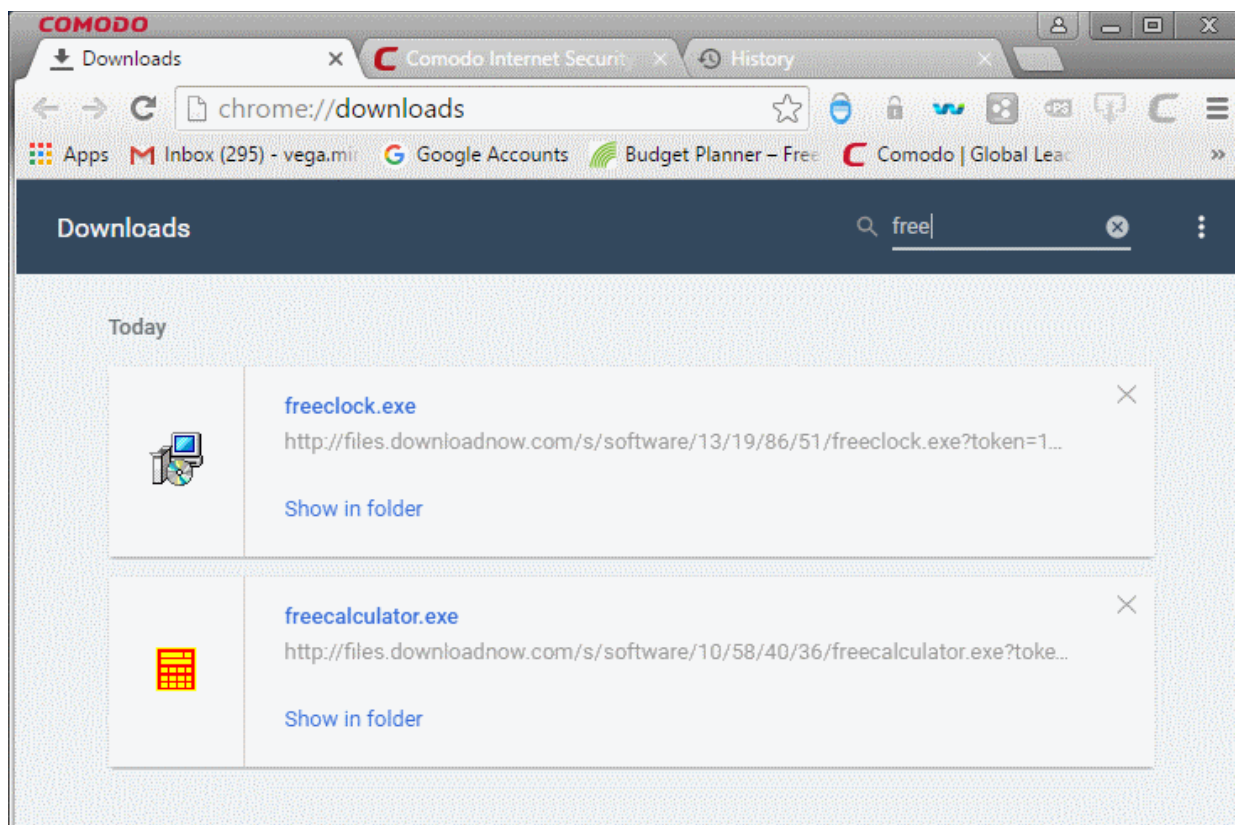
- Click the menu  button located at the top-right corner.
- Select the 'Downloads' from the menu.

The Downloads page will be displayed.



- Click the file name to open it.
- Click the 'Show in folder' to see the location of the file in your computer. Please note that this will not work if the file has been moved.
- Click the 'Remove from list' to remove a specific download.
- Click the 'Clear all' to remove all the downloads.

- Click the 'Open downloads folder' to open and view the downloads in the folder.
- Enter the name of the download in the search box to search it.



- Click the down arrow button besides the search box to show the full list of downloads.
- Use the shortcut keys 'CTRL+J' to open the downloads page.

Further reading related to the topic of this page:

- [Downloading a File](#)
- [Changing Download Location](#)
- [Clearing Download History](#)

## 9. Tools and other Features

This section explains how to configure various aspects of Comodo Dragon. Click the following links to find out more:

- [Managing Extensions and Plug-ins](#)
- [Get great deals with Comodo Price Suggester](#)
- [Zooming the Web-page](#)
- [Form Autofill](#)
- [Enabling/Disabling Sync Settings](#)
- [Enabling/Disabling Web-RTC Settings](#)
- [Enabling/Disabling Malware Domain Filtering\(Comodo Secure DNS\)](#)
- [Protecting your Synced Passwords](#)
- [Applying Themes](#)
- [Viewing Task Manager from Comodo Dragon](#)

- [Searching Within Page Content](#)
- [Customizing your Spell Checker](#)
- [Creating Application Shortcuts](#)
- [Managing Your Search Engines](#)
- [Viewing and Stopping Background Pages and Applications](#)
- [Viewing, Saving and Printing a PDF](#)
- [Keyboard and Mouse Shortcuts for Comodo Dragon](#)
- [Website Security Indicators](#)
- [The Share Page Button](#)
- [Configuring Access Pages Through A Web Proxy](#)
- [Scan Websites for Malware Using Web Inspector](#)
- [Managing Protocol Handlers](#)
- [Configuring Fullscreen mode and Mouse Cursor Usage](#)
- [Using the Address Bar \(Omnibox\)](#)
- [Configuring Media Settings](#)
- [Configuring Access to MIDI Devices](#)
- [Configuring Unsandboxed Plug-in Access Settings](#)
- [Run Dragon Browser in the Background and Accelerate Performance](#)
- [Using Media Downloader to Download Streaming Media](#)
- [Reset Browser Settings](#)
- [Cloud Print Settings](#)
- [Set Automatic Downloads on Dragon](#)
- [Protected Content](#)
- [How to Add Accessibility Features to Dragon](#)

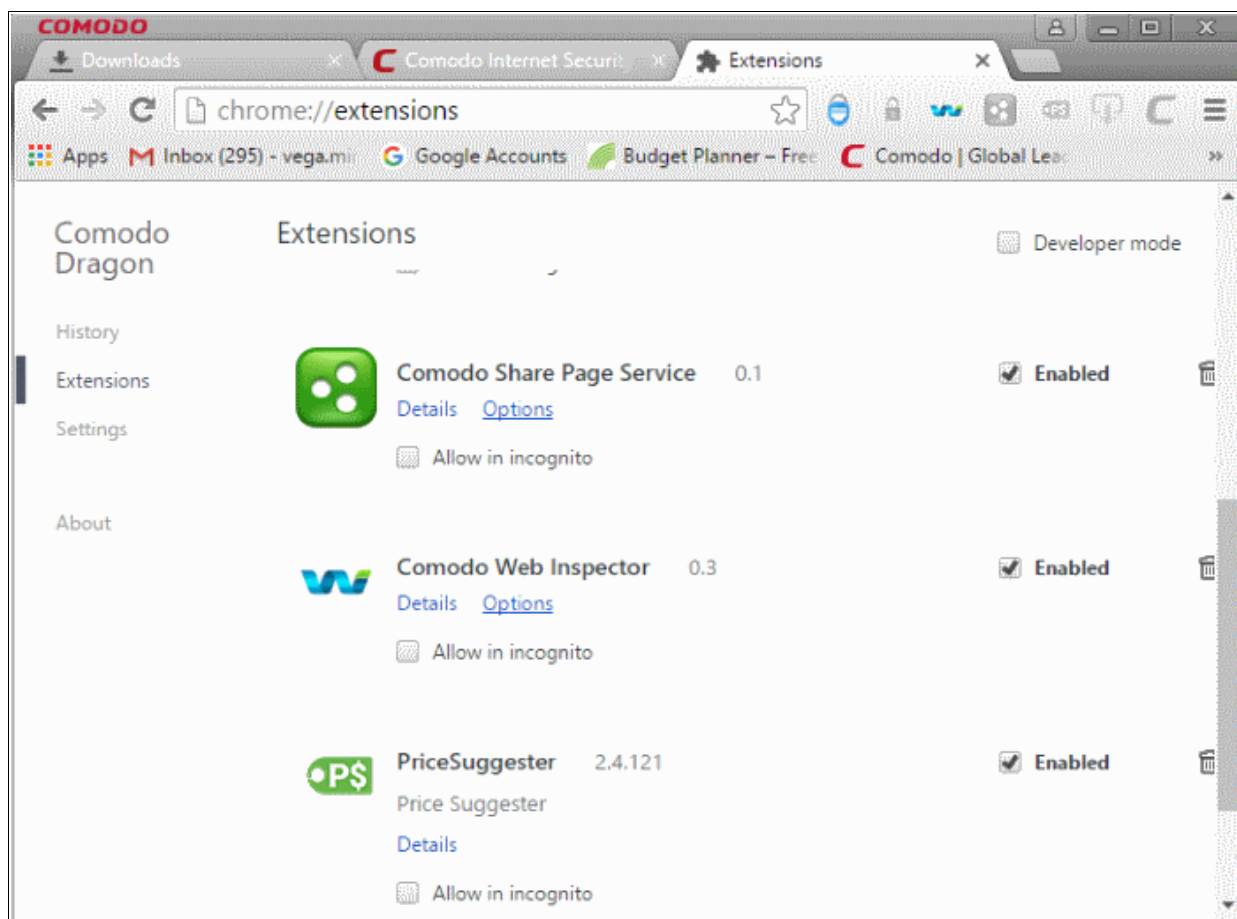
## 9.1. Managing Extensions and Plug-ins

Comodo Dragon extensions enable you to add a wide variety of new features and capabilities to the browser. For example, you may want to add an extension that brings extra security to your browsing experience, or an extension that lets you share items on social media.

### To access the extensions manager

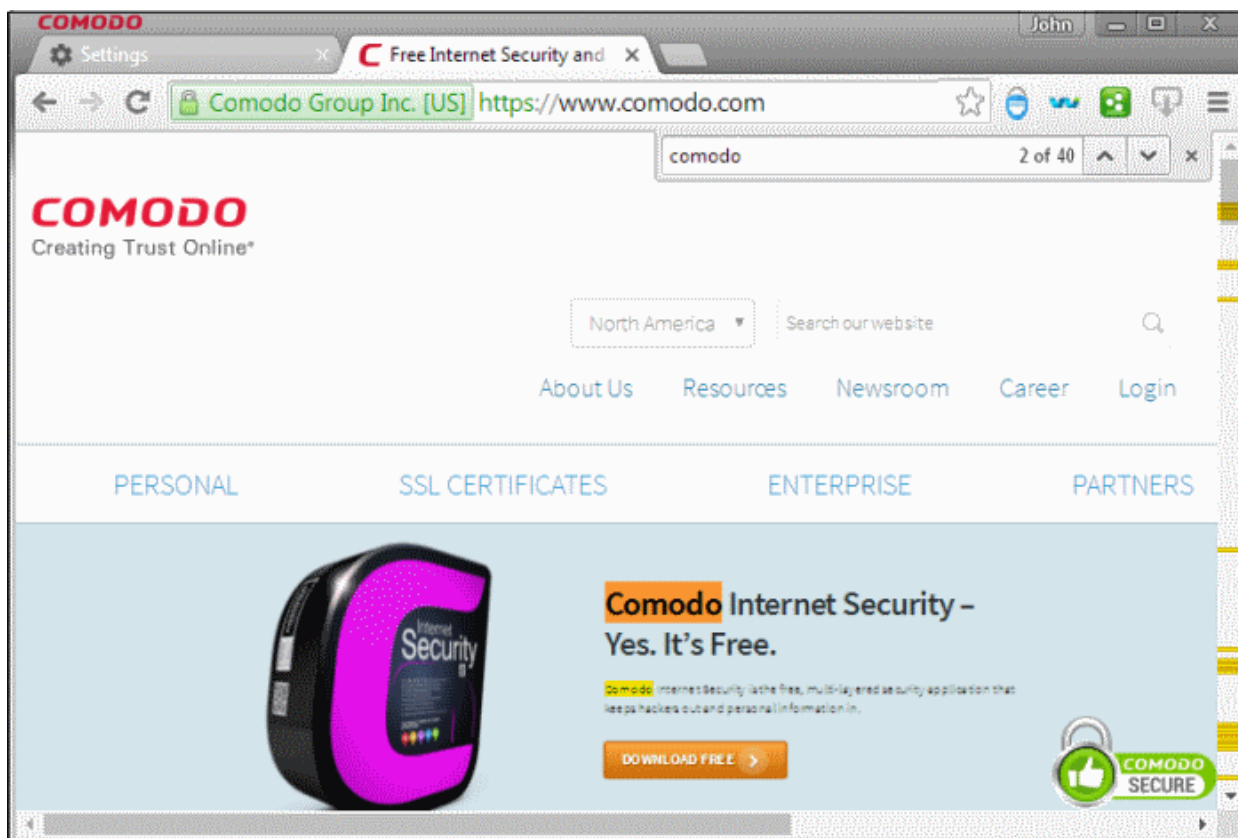
- Click the menu  button located at the top-right corner.
  - Select 'More tools' > 'Extensions'
- OR
- Type: `chrome://extensions/` in the address bar

The 'Extensions' tab will open:



- To temporarily disable an extension, deselect the 'Enabled' checkbox besides it.
- Click the 'Options' link beside an extension to view the options and customize that extension in your browser.
- Click the 'Trash can' beside an extension to permanently remove it.
- Click 'Visit website' beside an extension to open its official website.
- Check the 'Allow in incognito' to browse in stealth mode.
- Click 'Get more extensions' at the bottom to choose from a huge variety and install on your computer.

 [Get more extensions](#)




Comodo Dragon allows to set keyboard shortcuts to quickly open specific extensions.

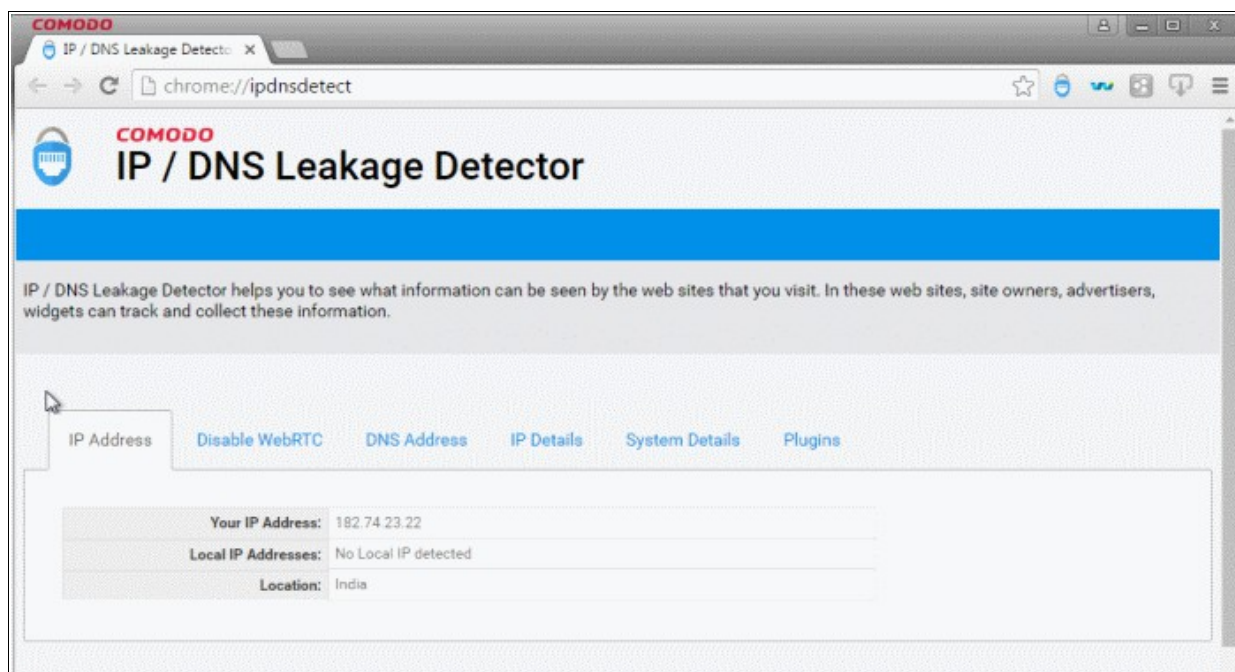
### Comodo IP/DNS Leakage Detector

The Comodo IP / DNS Leakage detector is an add-on extension in Dragon that aids in identifying what information would be available to websites that you visit. By default your IP information is available to websites and you can disable the plugins and Web RTC options in settings to prevent IP Leakage.

### To view IP/DNS Leakage detector Extension

- Click  icon from Dragon browser extensions available at the top-right corner. The Comodo IP/DNS Leakage Detector will be displayed.





In general, the browser provides some information about your system:

**IP Address** : This tab as name says displays the internal and external IP address of your system.

**Disable Web RTC** : This tab displays the description of the Web RTC feature and provides a short cut to disable the same as it fastest way to acquire the your system details.


**DNS Address** : This tab displays your DNS server details.

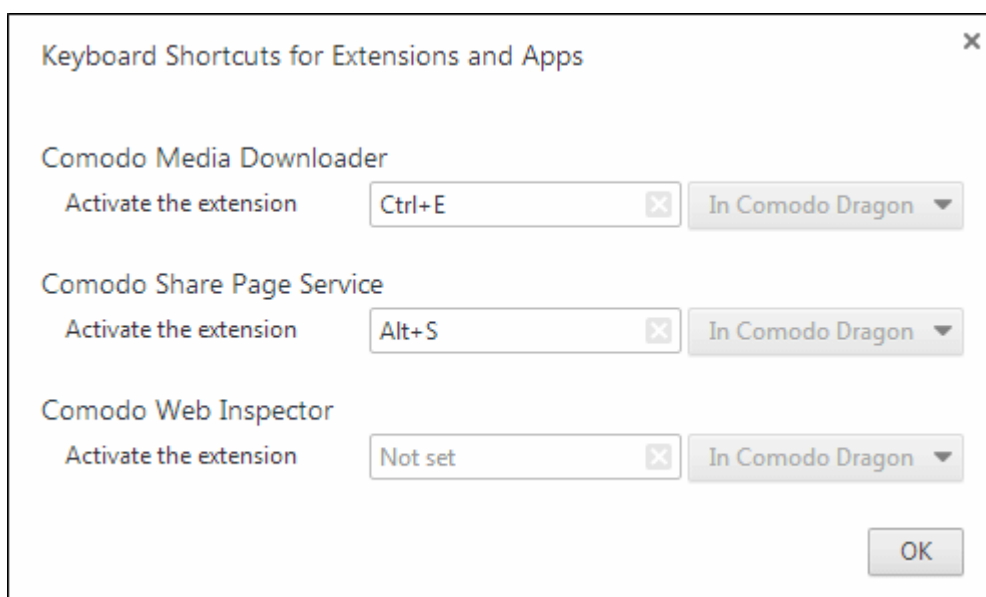
**IP Details** : This tab displays the details delivered by your service provider.

**System Details** : This tab displays the system details like language used, system platform, browser version and statuses of cookie and Java if enabled/disabled.

**Note** : Your systems information will generally be available to websites you visit unless you do not want it to be available.

To configure keyboard shortcuts for Comodo extensions:

- Click the menu  button located at the top-right corner.
- Select 'More tools' > 'Extensions'
- Scroll to the bottom of the page and click the 'Keyboard shortcuts' link on the bottom-right corner
- Enter your keyboard shortcut in the 'Activate the extension' field. For example, you may want to start Comodo Media Grabber with 'CTRL+M'.



- Click 'OK' after entering the keyboard shortcuts.

## Plug-ins

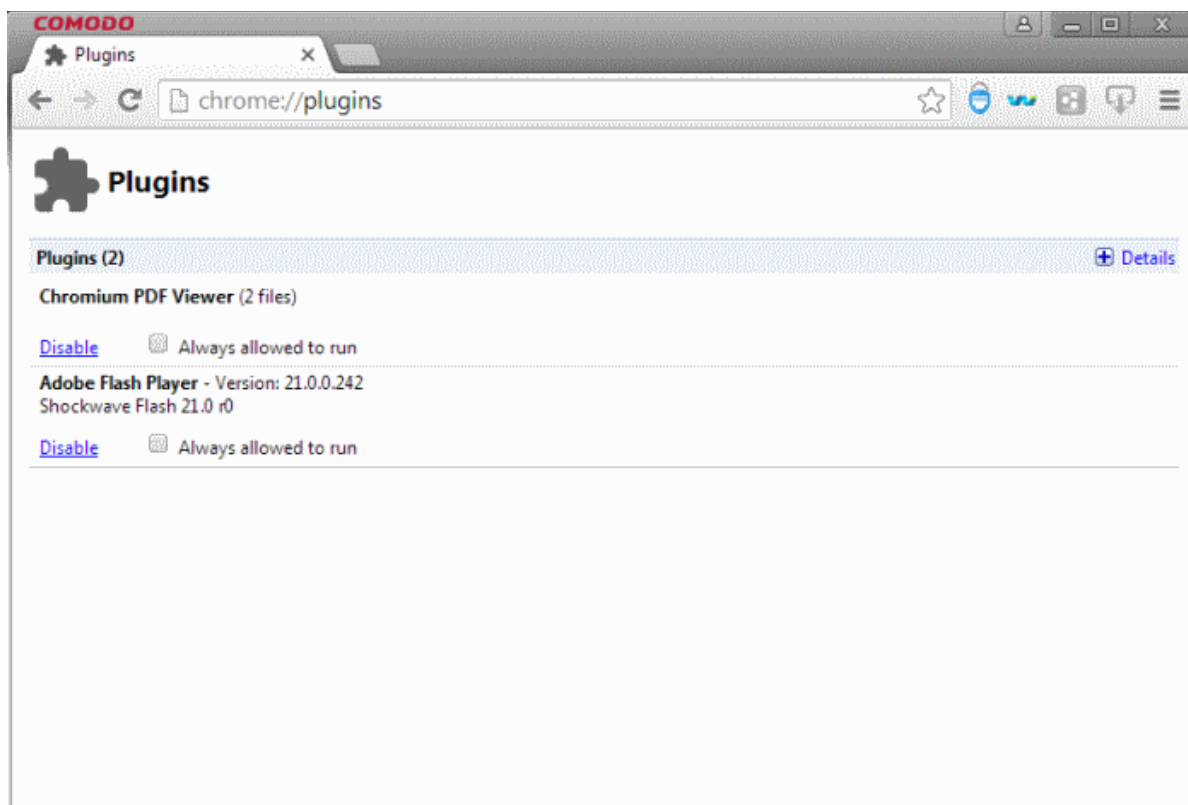
Plug-ins are pieces of software that enhance another software application or process a type of web content like Windows Media Files or Flash.

Comodo Dragon supports most popular plug-ins. You can View, Install, Block, Allow blocked and Disable plug-ins. Click the links below to see detailed explanations of each area in this section:

- [Viewing plug-ins](#)
- [Installing plug-ins](#)
- [Managing plug-ins](#)
- [Allows blocked plug-ins to run](#)
- [Disabling plug-ins](#)

## To view plug-ins

- Type '*chrome://plugins*' in the address bar and press the 'Enter' button.
- The list of plug-ins available for your browser will be displayed.
-




## To install plug-ins

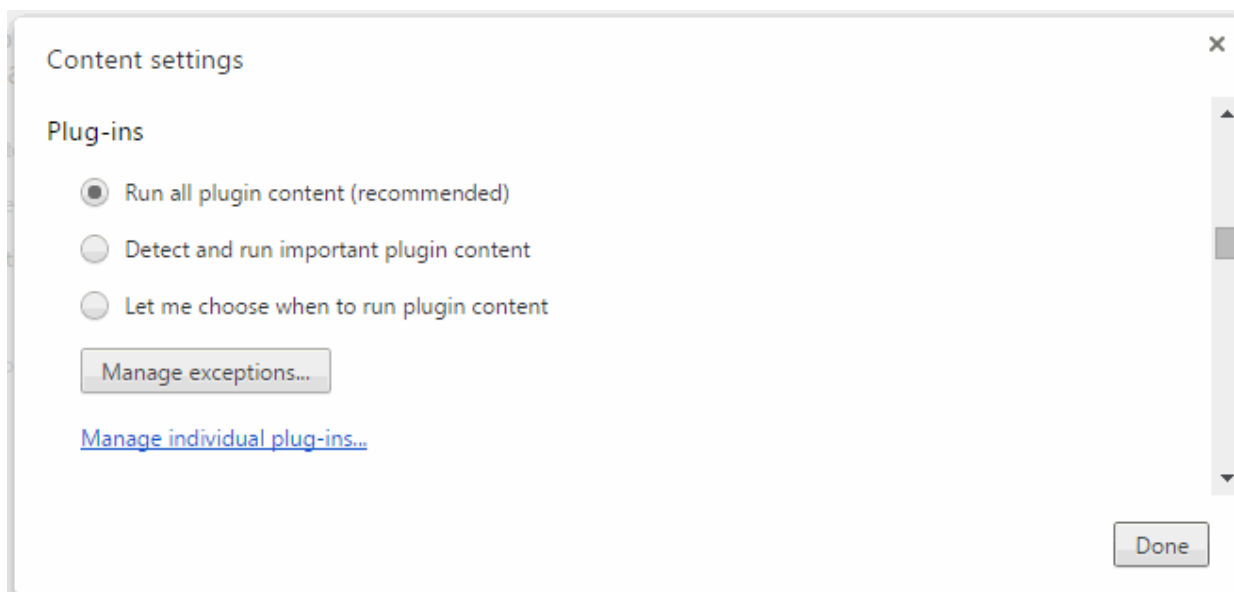
- Click Install plug-in in the message. Plug-ins begin the installation process.

Once the download has finished, restart Comodo Dragon by closing all open windows to complete the installation process.

## To manage all plug-ins


All plug-ins are allowed by default. Use the Content Settings dialog to block specific plug-ins. See follow these steps:

- Click the menu  button located at the top-right corner.
- Select Settings > 'Show advanced settings' link > 'Privacy' section.
- Click 'Content settings...'
- Select Plug-ins in the Content Settings dialog.



- Select 'Let me choose when to run plugin content' radio button to prevent the plugin from automatically loading but you can still run specific plugins.

#### To enable 'Click to play' for Plug-ins & Flash in Dragon

- Click the menu  button located at the top-right corner.
- Select Settings -> 'Show advanced settings' link > 'Privacy' section.
- Click 'Content settings' > 'Plug-ins' section.
- Select 'Detect and run important plugin content' radio button to run the main plug-in content on websites

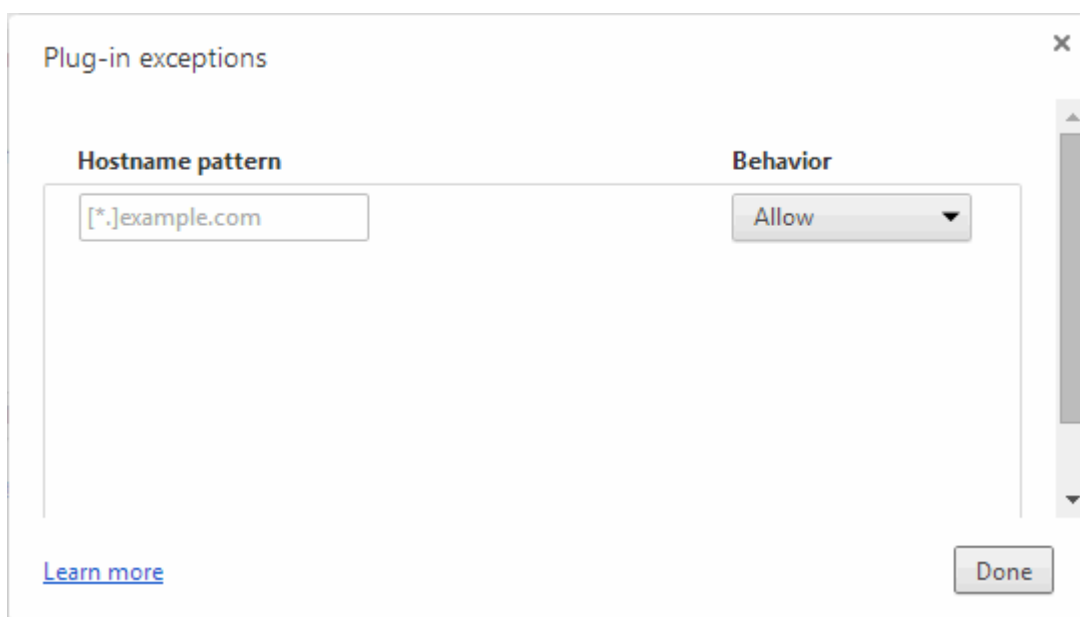
OR

- Open a new Dragon window and enter "*about:flags*" into the URL bar and hit return.
- Enable the <name> plugin in Comodo Dragon
- Re-launch Dragon

#### To allow blocked plug-ins to run

You will see  a blocked plug-in icon in the address bar whenever plug-ins have been blocked on a page. For adjust plug-in settings for the site click the icon:

- Click 'Always allow plug-ins' in the dialog menu.
- Click 'Done' button to add an exceptions for the site. You can Add..., Edit..., Remove, Remove All plug-ins.



- Click 'Run all plug-ins this time' to allow plug-ins on the site for just this one time.
- Click 'Manage plug-in blocking' to manage your plug-in settings for the browser.
- Click 'Close' for the setting take effect.

### To disable plug-ins

- To disable plug-ins, type '*chrome://plugins*' in the address bar and press the Enter button. The list of plug-ins for your browser will be displayed. Find the plug-in you would like to disable and click 'Disable'.

OR

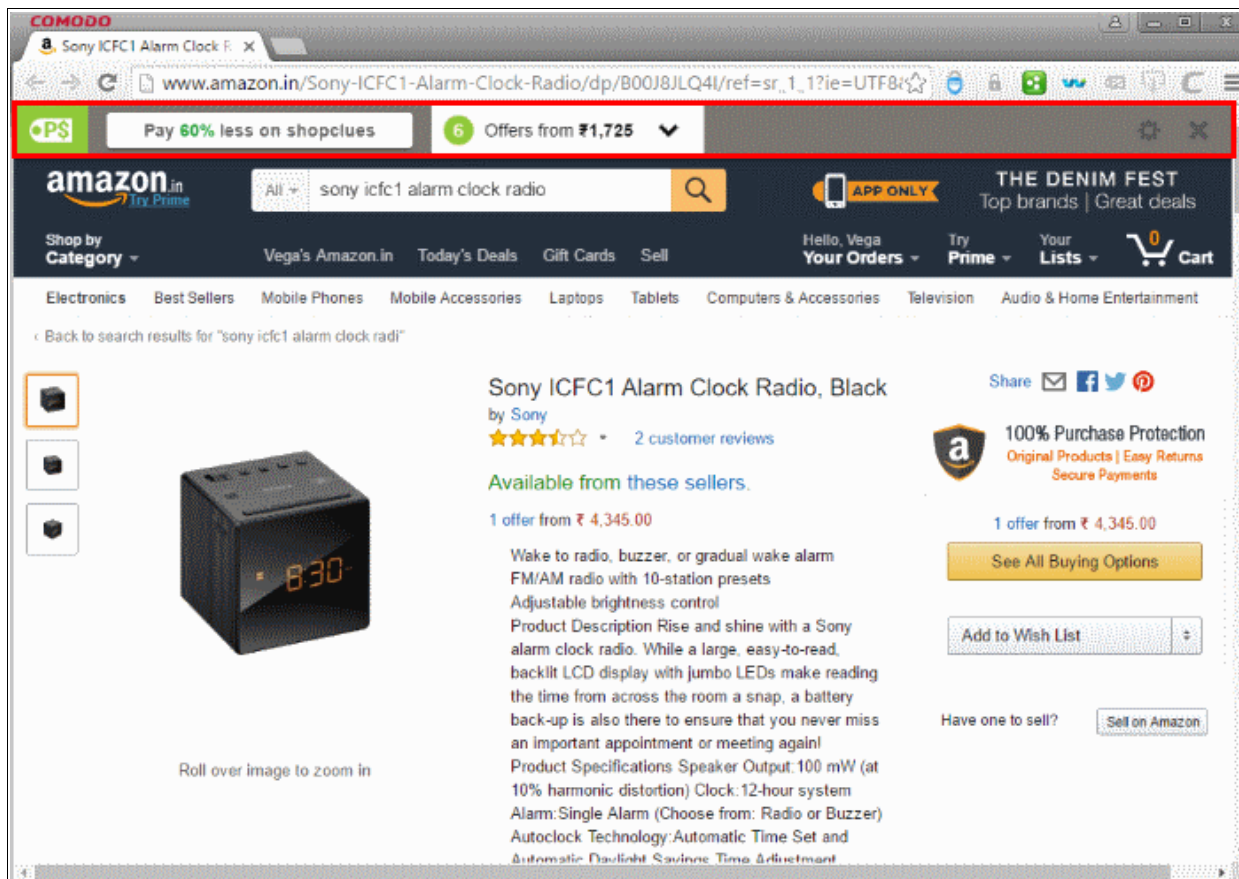
- Click 'Disable individual plug-ins' in the 'Plug-ins' section of the Content Settings dialog.

## 9.2. Get great deals with Comodo Price Suggester

Comodo Price suggester is a browser extension which provides real time offers on products while you shop. For example, if you looking at the product page of a particular camera, Comodo Price Suggester will unobtrusively present you with a range of alternative prices from other websites.

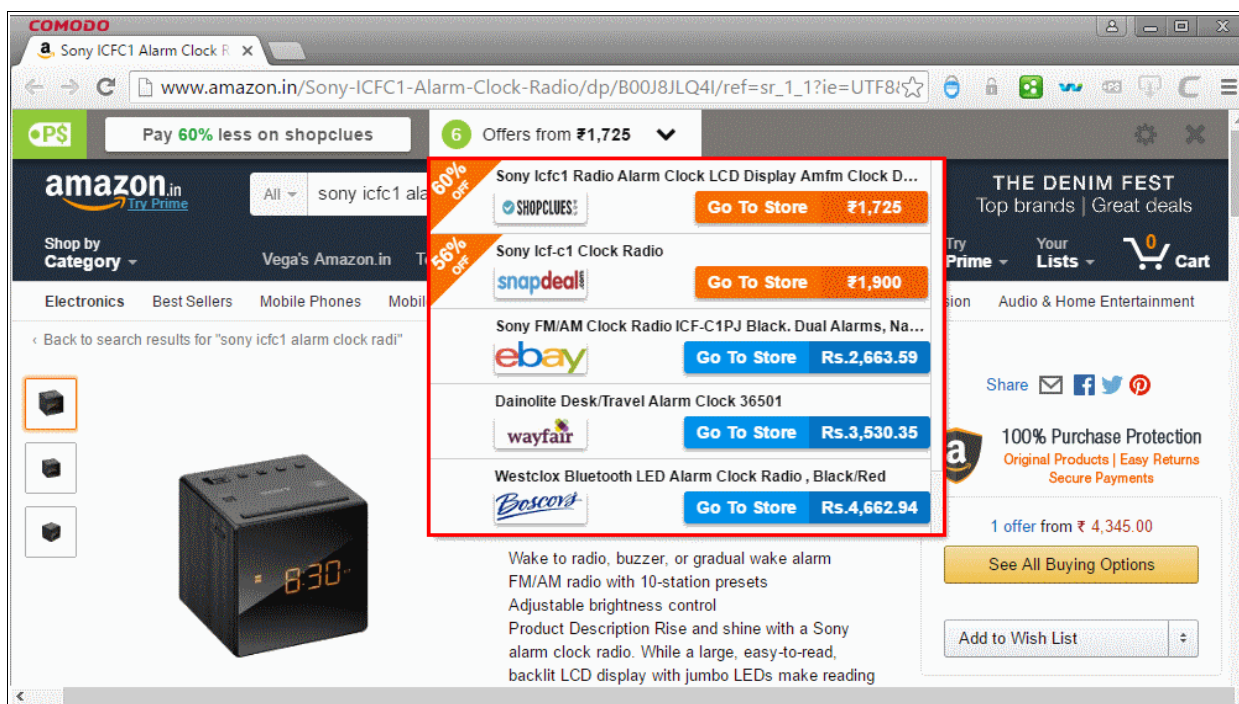
### To use price suggester

- Ensure the Comodo Price Suggestion extension is active.
- Log into a supported shopping website.
- Search for a product you are interested in buying.



When the product detail page loads, a price suggester panel containing alternative offers will appear near the top of the page.

- To find best prices of the product to save money, Click on 'Offers'.

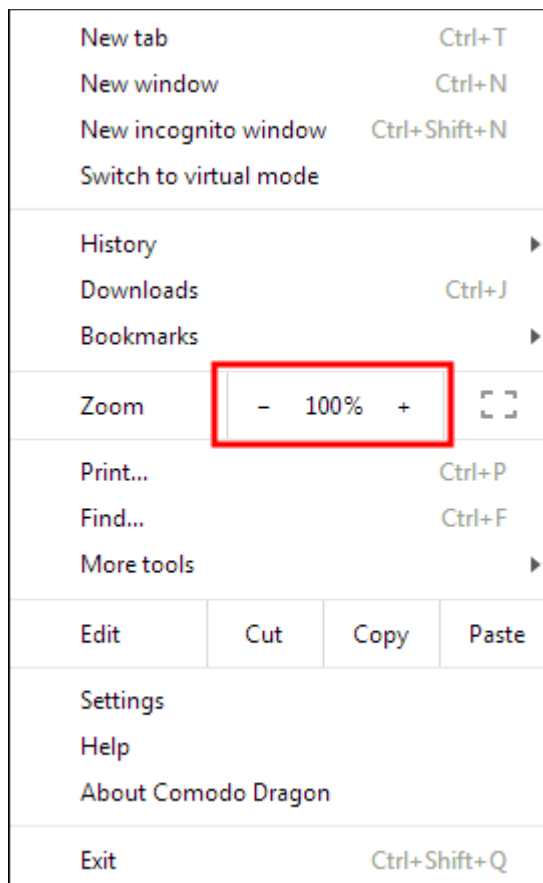


A list of prices from other shopping websites will be displayed. You can choose the best selling price by comparing the prices.

## 9.3. Zooming the Web-page

You can zoom a web page as per your comfort level.

- Click the menu  button located at the top-right corner.



### To change the zoom level

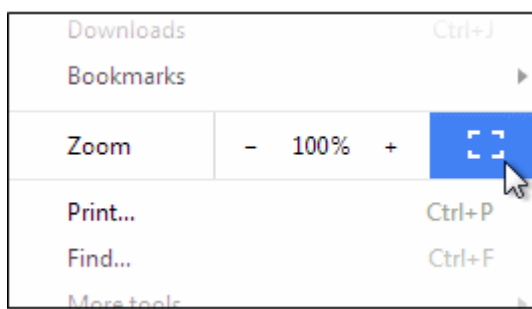
- Use the '-' and '+' buttons to change zoom levels. The default is 100%. You can zoom between 25% and 500%
- You can also change zoom levels by holding down the CTRL button then scrolling your mouse wheel
- Your zoom preferences for each site are automatically saved.

### To display a page in full screen

- Press F11 button to toggle between full screen and normal view

or


- Click the menu  button and then the zoom button

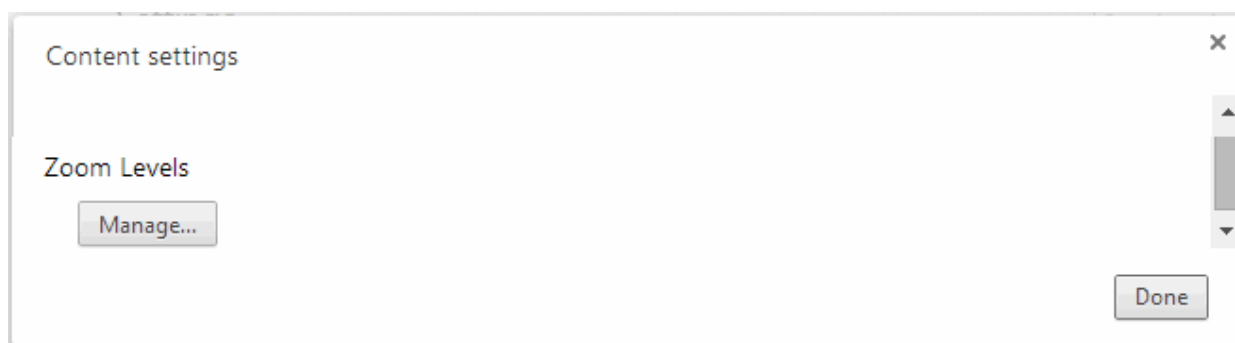


- Press F11 to return to normal view

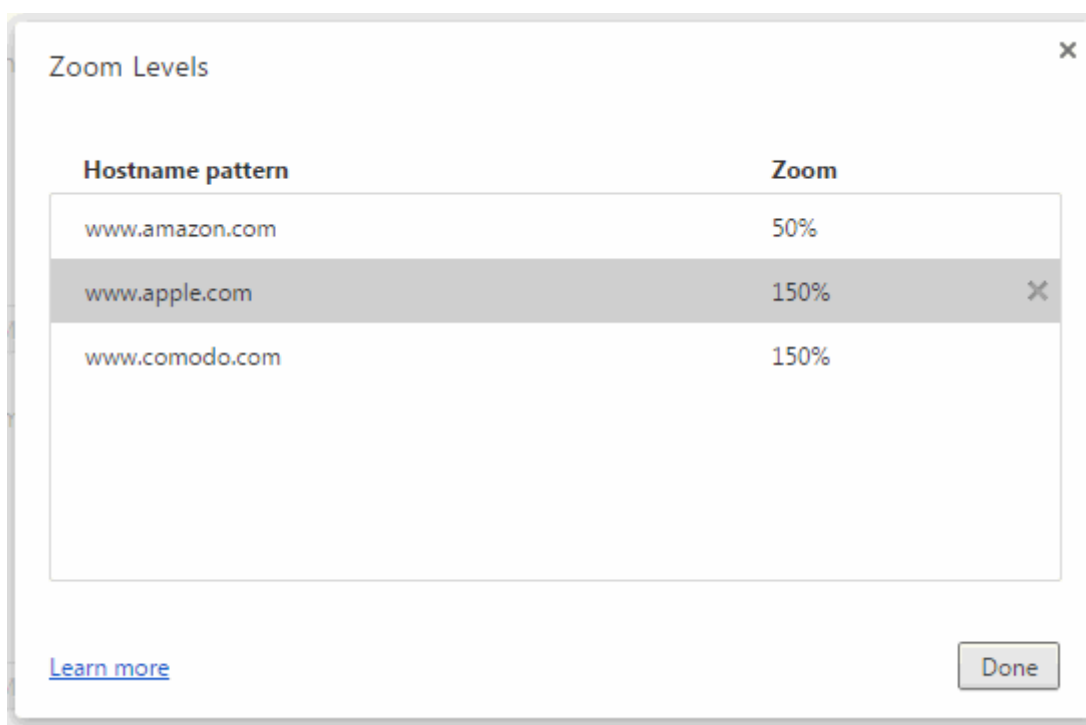
## Managing custom zoom levels

Comodo Dragon automatically remembers any custom zoom levels you set for websites that you have visited. To manage these zoom levels:

- Click the Comodo Dragon menu  button located at the top-right corner
- Select 'Settings' then click the 'Show advanced settings' link at the bottom of the page
- Scroll down to the 'Zoom Levels' section and click the 'Manage...' button



- The 'Zoom levels' dialog lists those domains for which you have set a custom zoom level:






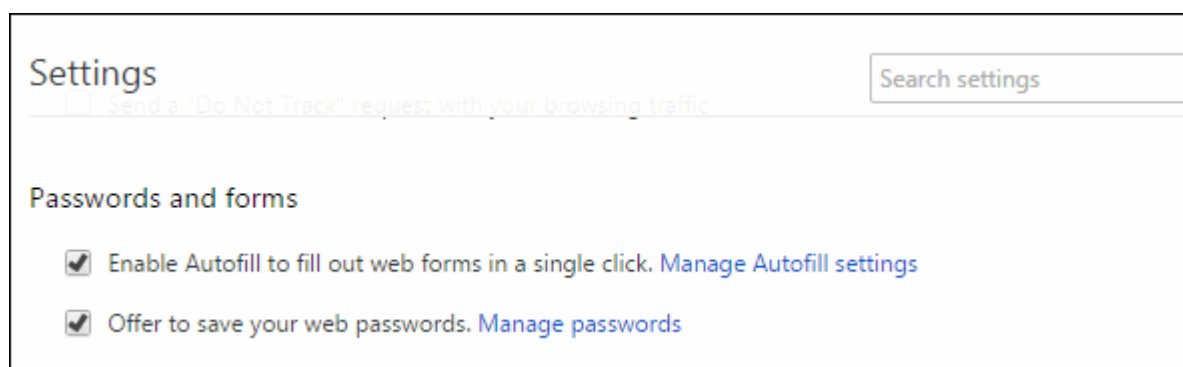
- Click 'X' to remove a custom zoom setting for a particular domain. The site will be zoomed at the default 100% the next time you visit.

## 9.4. Form Autofill

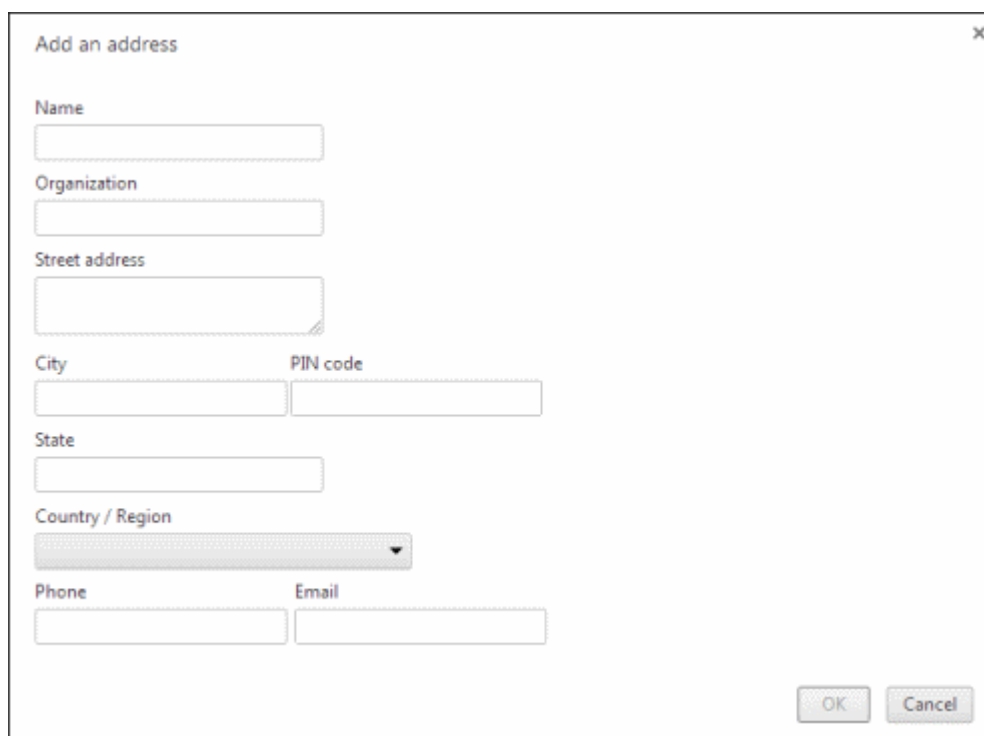
Comodo Dragon's Autofill feature allows you to fill web forms with a single click, saving you the time and drudgery of entering the same details repeatedly.

### To manage your Autofill entries

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu > 'Show advanced settings' link > Passwords and forms' section.



- Click the 'Manage Autofill settings' link.
- In the 'Autofill settings' dialog, click the 'Add new street address' button. Please note that you can create multiple profiles.



The screenshot shows the 'Add an address' dialog box. It contains the following fields: Name, Organization, Street address, City, PIN code, State, Country / Region (a dropdown menu), Phone, and Email. There are 'OK' and 'Cancel' buttons at the bottom right.

- In the 'Add an address' dialog, fill out the form and click 'OK'.
- Click 'Cancel' or the ESC button to exit the 'Add an address' dialog.

- In the 'Credit Cards' section, click 'Add new credit card' button.



- In the 'Add new credit card' dialog, fill your credit card details and click 'OK'.


### To edit an existing entry

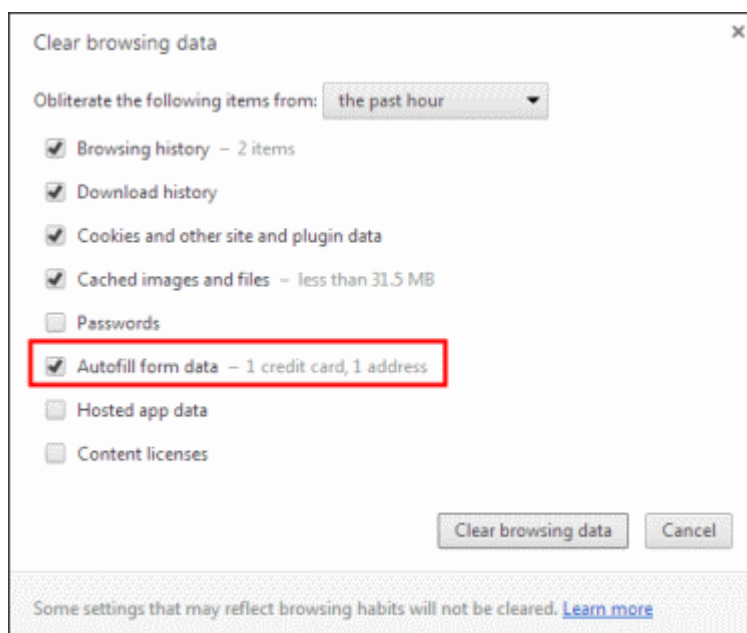
- Double-click on an entry or select it and click the 'Edit...' button beside it.
- Edit the address details in the 'Edit address' dialog and click 'OK'

### To delete an existing entry

- Select an entry from the list.
- Click 'x' at the far end of the entry.

### To delete all your form data


- Click the menu  button located at the top-right corner.
- Click 'More Tools' from the menu then 'Clear browsing data...'
- In the 'Clear Browsing Data' dialog, select the 'Autofill form data' checkbox.




- Click the 'Clear browsing data' button.

All your form data will be cleared. Autofill option is enabled by default in Comodo Dragon.

### To disable form Autofill

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu > 'Show advanced settings' link
- In the 'Passwords and forms' section, deselect the 'Enable Autofill to fill out web forms in a single click' checkbox.

#### To disable form Autofill

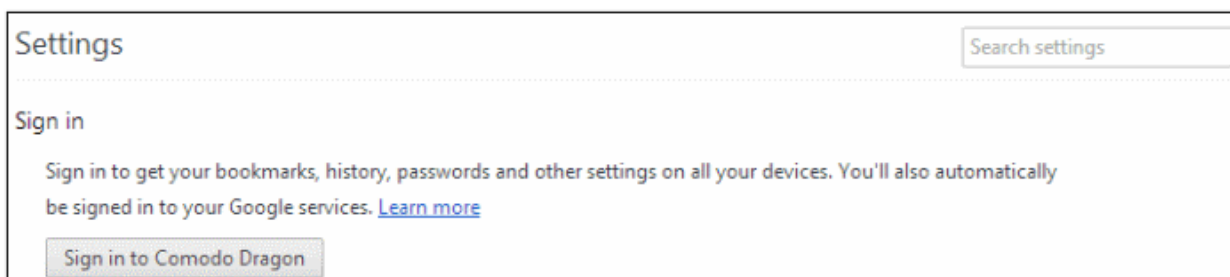
- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu > 'Show advanced settings' link
- In the 'Passwords and forms' section, deselect the 'Enable Autofill to fill out web forms in a single click' checkbox.

## 9.5. Enabling/Disabling Sync Settings

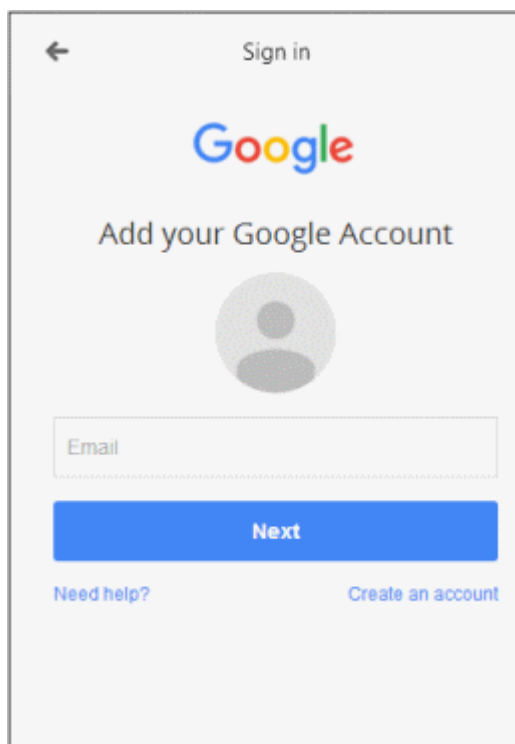
The 'Sign in' feature allows you to upload your Comodo Dragon configuration details (browser preferences, bookmarks, extensions, applications and themes) to your Google Account. Synchronizing your configuration means it can be downloaded to any other computer that you have Dragon installed. This means you can quickly implement the same Dragon settings on other machines and you will not have to go through the process of customization or importing again.

#### To set up synchronization:

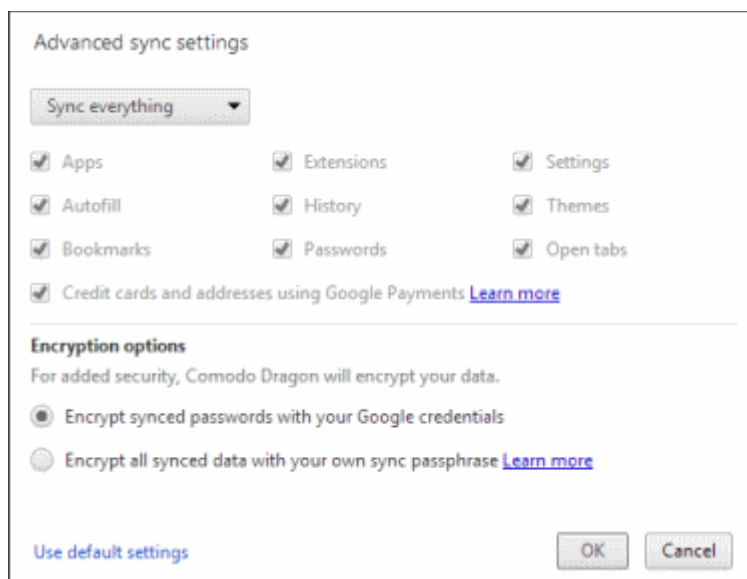
- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu, then click 'Sign in to Comodo Dragon' button under 'Sign in' section



- The 'Sign in with your Google account' dialog will open.
- Log-in to your Google Account.



After successfully logging into your Google account, the 'Advanced sync settings' dialog will be displayed with all sync items selected by default for syncing with your account.

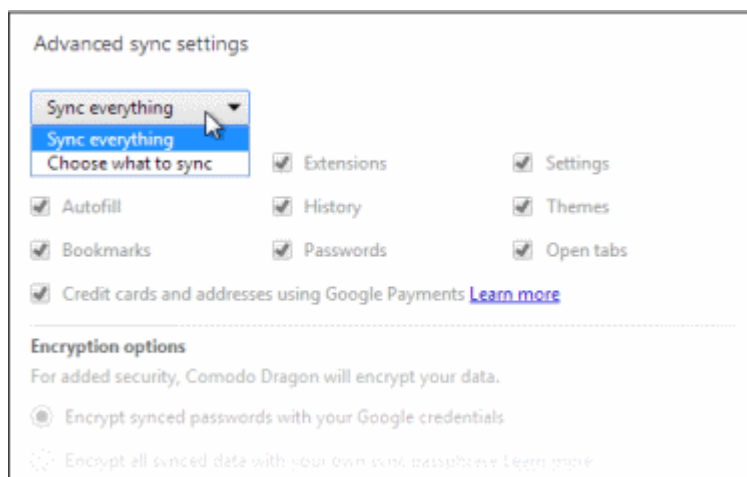


- Click 'OK'

Congratulations! Your settings are now synchronized. Every time you make a change to synced data in Comodo Dragon it will automatically update the data in your Google account.


You can **stop synchronization through Comodo Dragon** or through your **Google Account**. You have the option to stop synchronization only (your Google account will retain data that has already been uploaded BUT will not update with any further changes you make), clear existing data only or both.

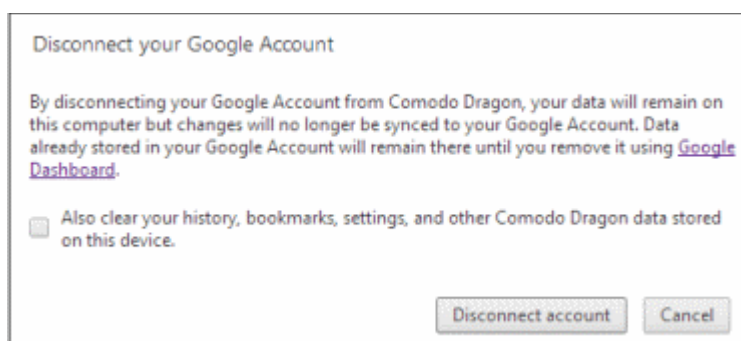
You can choose to sync only specific items.



- Select 'Choose what to sync' from the setting drop-down
- Select the items that you want to sync with your Google account and click 'OK'

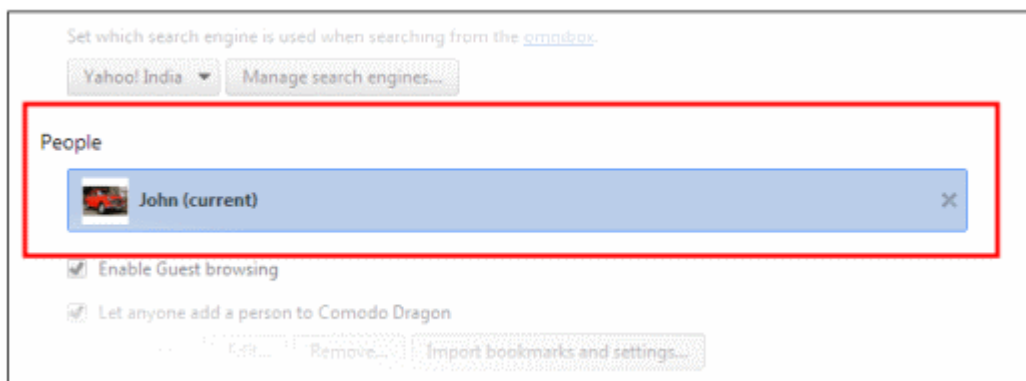
## To stop synchronization

- Click the menu  button located at the top-right corner.
- Select 'Settings', then click 'Disconnect your Google Account' button under 'Sign in' section



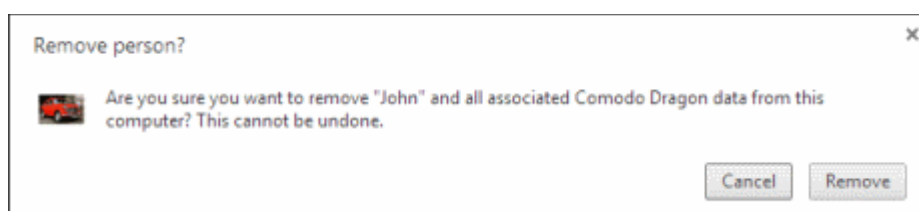
If you click 'Disconnect your Google Account' in Comodo Dragon settings:

- This machine will no longer update the synced data in your Google Account.
- Existing data will not be deleted, it will just no longer receive updates from this machine (unless you also click 'Manage sync data on Google Dashboard'). Select the check box 'Also clear your history...' to clear data stored on the device.
- Your Google Account will continue to be updated with changes made to Chromium Secure on your other synced machines (unless you also disable it on those too).
- Click 'Disconnect account' to disable synchronization.



You can also stop syncing with the Google account by removing the account name under 'People' section in Settings.


- Click 'X' at the far end of the row



- Click 'Remove' to confirm

## To stop synchronization and clear existing data through your Google Account

- Clicking 'Manage your synced data on Google Dashboard' link opens the Chrome sync dashboard.




---

## Chrome Sync

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Chrome Sync can save your bookmarks, history, passwords, and other settings securely to your Google Account and allow you to access them from Chrome on any device.  
The counts below represent all stored items, including those not visible in Chrome.

---

<b>Apps</b> <b>2</b> Apps from <a href="#">Chrome Web Store</a> .	<b>Extensions</b> <b>0</b> Extensions from <a href="#">Chrome Web Store</a> .	<b>Settings</b> <b>26</b> Browser settings you changed in Chrome settings. Some of these only sync to computers.
<b>Autofill</b> <b>1</b> Form data you sent using Chrome, for example, emails or addresses. Credit cards and addresses synced via Google Payments are not counted here.	<b>History</b> <b>13</b> Website addresses you entered in the address bar. Other synced browsing history isn't counted here, but can be viewed in Chrome on the <a href="#">history page</a> .	<b>Themes</b> <b>1</b> Your theme from <a href="#">Chrome Web Store</a> .
<b>Bookmarks</b> <b>2</b> Pages you bookmarked in Chrome.	<b>Passwords</b>  <b>1</b> Passwords you asked Chrome or <a href="#">Smart Lock for Passwords</a> to save, and a list of sites you told us never to save. Passwords are always encrypted.	<b>Open tabs</b> <b>9</b> Tabs that are currently open in Chrome on one of your devices.

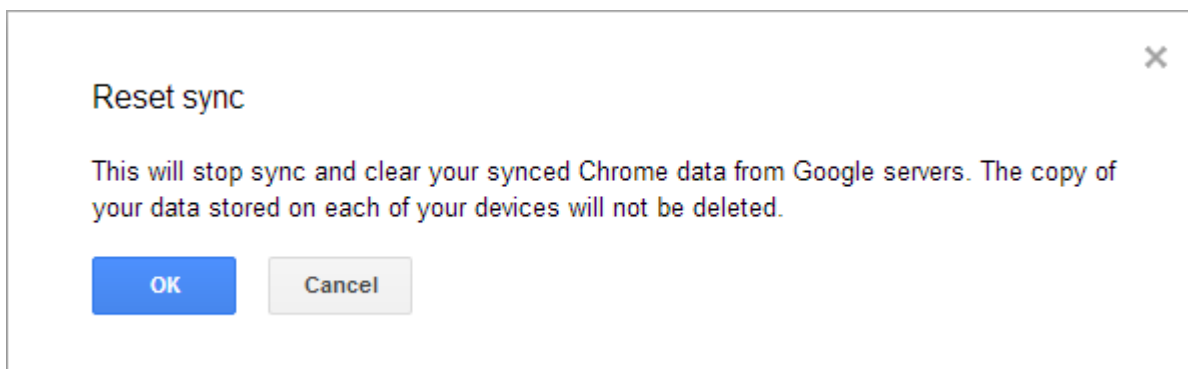
---

**Having trouble with sync or your passphrase?**  
Reset sync to clear your data from the server and remove your passphrase. This will not clear data from your devices. Sign back in to Chrome to start syncing.

Last time synced on Monday, May 30, 2016 at 3:20:13 PM UTC+5:30

[Chrome Privacy Policy](#) - [Chrome Sync Help](#)

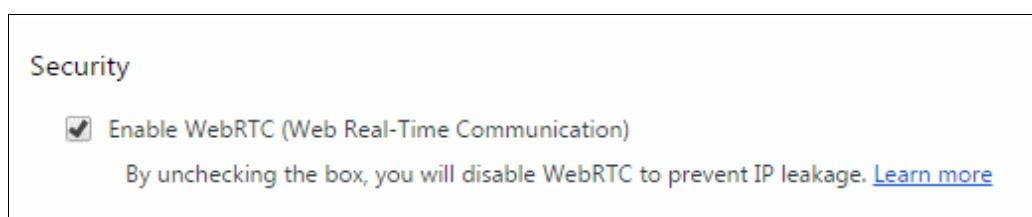
An entry will be created in your Google account called 'Chrome Sync'. You can stop synchronization by clicking 'Resent sync' beneath the sync account at <https://www.google.com/settings/chrome/sync> to discontinue synchronization and to erase previously uploaded data.



- Syncing will be switched off at the account level and will no longer receive updates from any of your Dragon installations.
- Existing data will be also deleted.
- Click 'OK' to confirm.


## 9.6. Enabling/Disabling WebRTC Settings

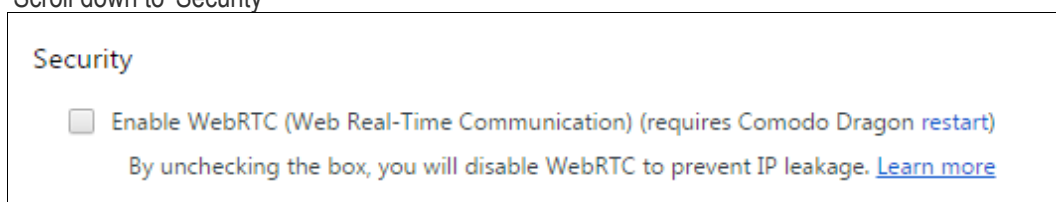
WebRTC (Web Real-Time Communication) supports browser-to-browser applications like voice call, video chat and peer-to-peer file share without any need of internal or external plugins. This feature is enabled by default in Comodo Dragon.



WebRTC implements STUN (Session Traversal Utilities for NAT) protocol that allows websites you visit, to discover your public IP address. Some websites, may use these data to identify your browsing behavior and your preferences and promote targeted ads, for example. If you want the websites to not to track your IP address and your browsing behavior, you can disable this feature.

### To disable WebRTC

- Click the menu  button from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Scroll down to 'Security'



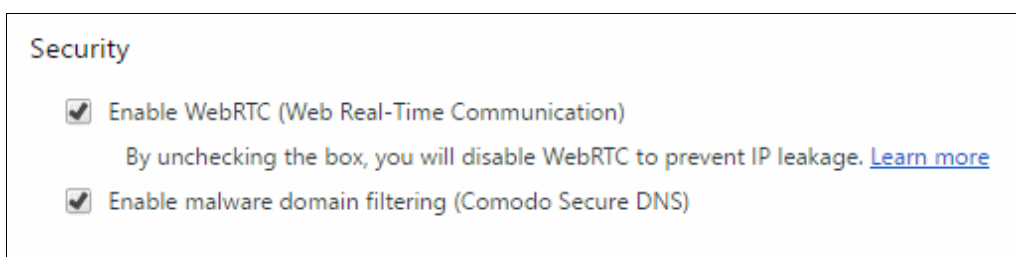
- Deselect the option 'Enable WebRTC'
- Close the 'Settings' tab for save your changes
- Restart the tabs on which you want the settings to take effect



## 9.7. Enabling/Disabling Malware Domain Filtering(Comodo Secure DNS)

Comodo Secure DNS helps users stay safe while browsing online. If malware domain filtering (Comodo Secure DNS) is enabled, potentially dangerous websites may be blocked for the following reasons:

- The website may contain prohibited content
- The website may be fraudulent - attempting to collect your personal information by pretending to be a legitimate site.
- The website may offer illegal sharing of copyrighted software or media.




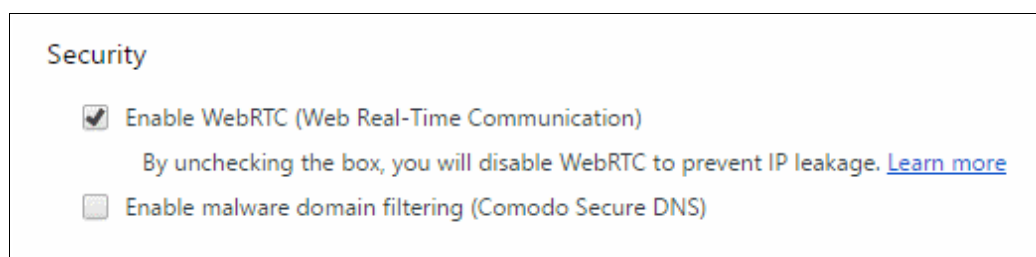
This feature is enabled by default in Comodo Dragon. If you feel that websites that you require are being blocked while this setting is enabled you can manually disable it from the settings menu.

- If enabled, Comodo Dragon will use Comodo Secure DNS servers instead of default DNS servers provided by your service providers.
- Irrespective of whether or not you have chosen the option 'I would like to use Comodo Secure DNS Servers (with all applications)' or 'I would like to use COMODO Secure DNS Servers (in Dragon only)' during installation, selecting this option will force Comodo Dragon to use Comodo Secure DNS for malware domain filtering.
- Secure DNS references a real-time block list (RBL) of harmful websites. These include phishing sites, malware sites, spyware sites, and parked domains that contain excessive advertising. You will be warned whenever you attempt to access a site containing such potentially threatening content. Our highly secure infrastructure also reduces your exposure to DNS poisoning attacks.
- In addition, enabling Comodo Secure DNS makes the web pages you visit to load faster as Comodo operates a huge network of fully redundant DNS servers located at optimal locations around the world. Your requests for web-pages are always resolved by the high performance DNS cluster closest to you. Hence the websites load faster than when you continue to use the DNS server provided by your ISP (which you share with other customers of the ISP).

Visit <http://www.comodo.com/secure-dns/> for more details.

### To disable Malware Domain Filtering(Comodo Secure DNS)

- Click the menu  button from the top right and select 'Settings'
- Scroll down the 'Settings' page and click 'Show advanced settings'
- Scroll down to 'Security'




- Deselect the option 'Enable Malware Domain Filtering (Comodo Secure DNS)'

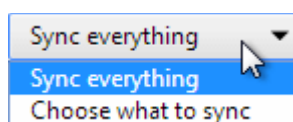
- Close the 'Settings' tab to save your changes
- Restart the tabs on which you want the settings to take effect

## 9.8. Protecting your Synced Passwords

If you have opted to sync your Comodo Dragon settings and preferences with your Google Account, the browser encrypts your synced passwords using a cryptographic key generated from your Google Account password. This is default settings in the browser. Dragon allows you to customize your sync passwords if you do not wish to use the Google Account password.

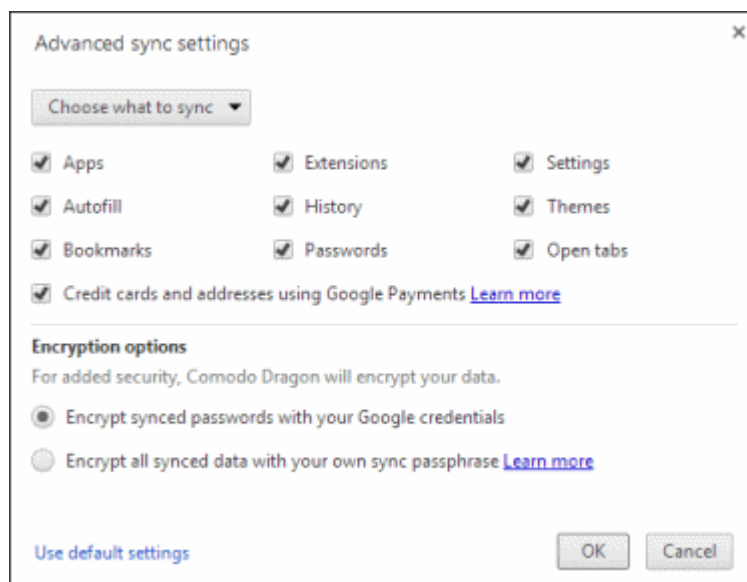
### To choose an encryption method

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu then click 'Advanced sync settings...' button under 'Sign in' section. Please note you should have 'Set up sync' already.
- From the drop-down window from the 'Advanced sync preferences' dialog select what should be synced.

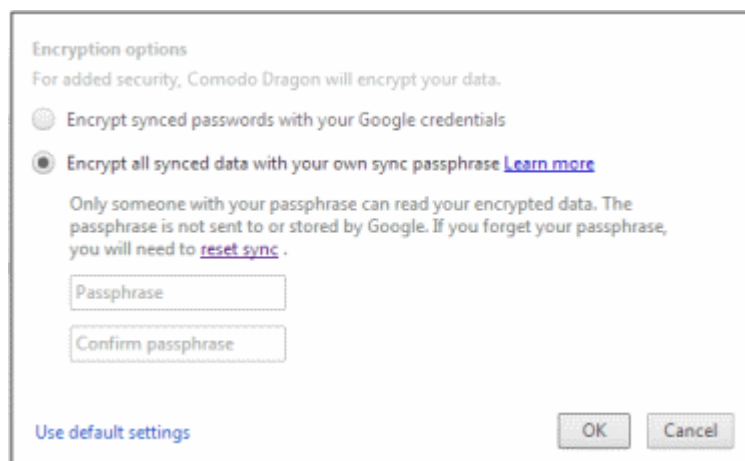


- Select what should be encrypted in 'Encrypted data types' section.

The default settings is 'Encrypt synced passwords'.



- Select 'Encrypt synced passwords with your Google credentials'
- Select 'Encrypt all synced data with your own sync passphrase' if you do not want to use Google Account password.



- Type the passphrase and click 'OK'.

The passphrase will be stored in your computer.

Please note that if you choose to have your own passphrase, this has to be provided every time you choose to sync passwords on a new system. Also, any change in the encryption options has to be carried out in all computers to continue syncing.

### Forgot Sync Passphrase

In case you forgot your synced passphrase, you'll have to reset sync via your Google account. An entry will be created in your Google account called 'Chrome Sync' when you **enable the sync** feature. You've to enable sync again and choose a new sync passphrase.

- Click 'Reset sync'.
- Sign up to Chrome browser to sync again.


All your sync data will be deleted from Google's servers. However, the data on your computer such as bookmarks, passwords and current preferences will not be deleted.

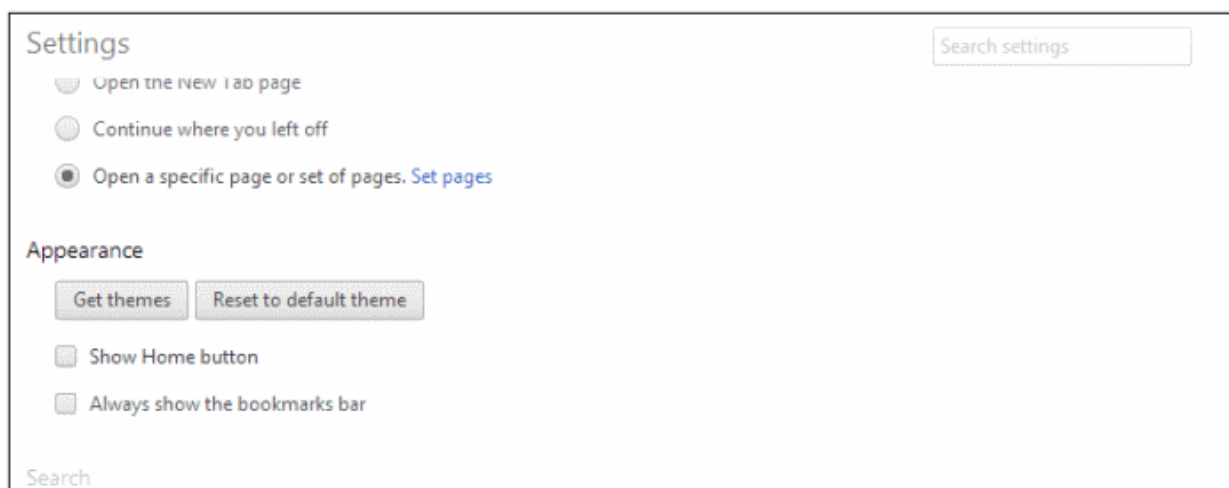
Further reading related to the topic of this page:

- [Enabling/Disabling Sync Settings](#)

## 9.9. Applying Themes

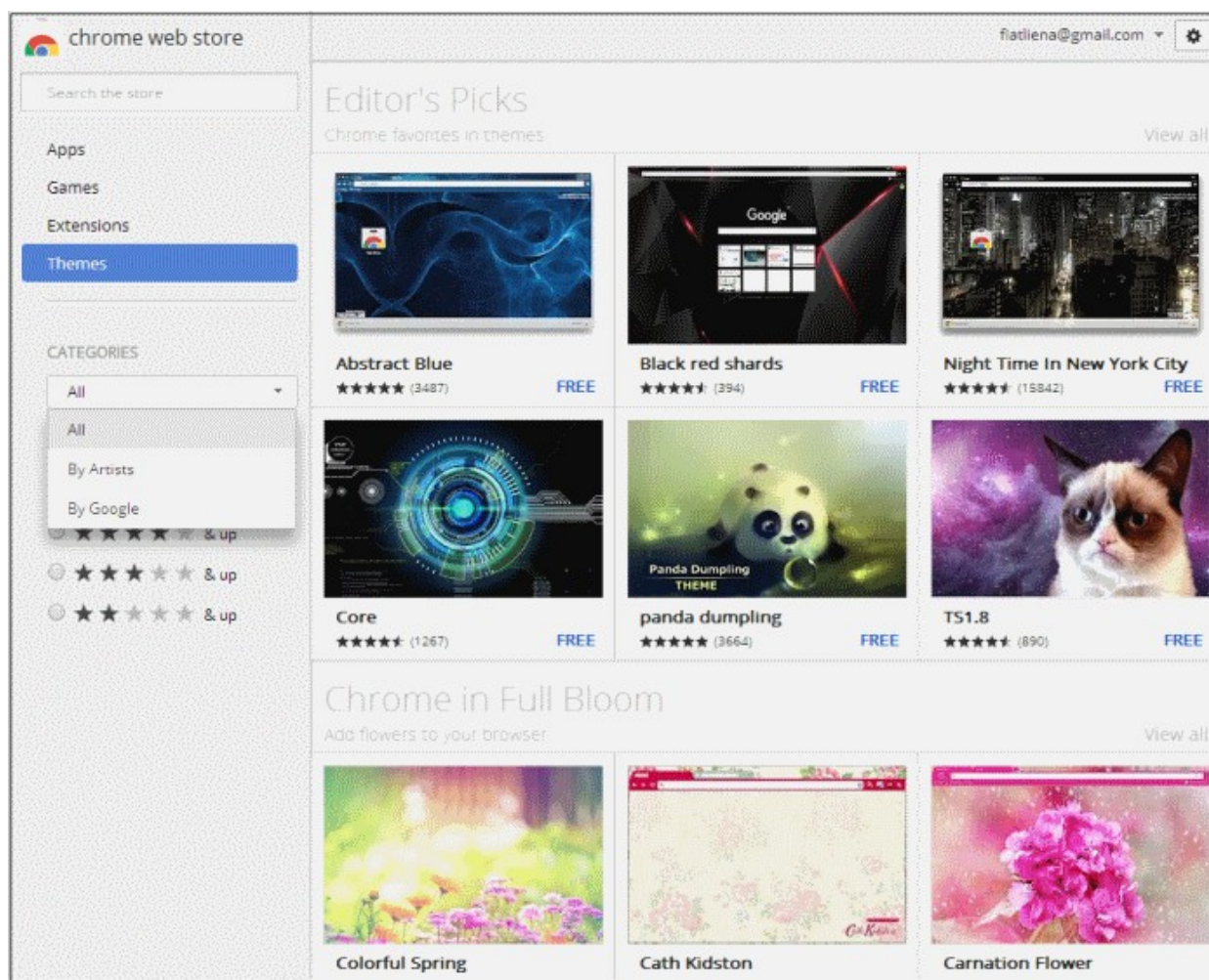
You can add themes to Dragon from the Chrome store.

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu then click 'Get themes' under the 'Appearance' section



OR

- Click 'More tools' > Extensions > 'Get more extension' link.




The Chrome Web Store will open in another tab. You can select themes by Artists or by Google.

- Click on the theme you like and click 'Add to Chrome' button to download the theme.
- Click 'Reset to default theme' to revert to factory set theme.

## 9.10. Viewing Task Manager from Comodo Dragon

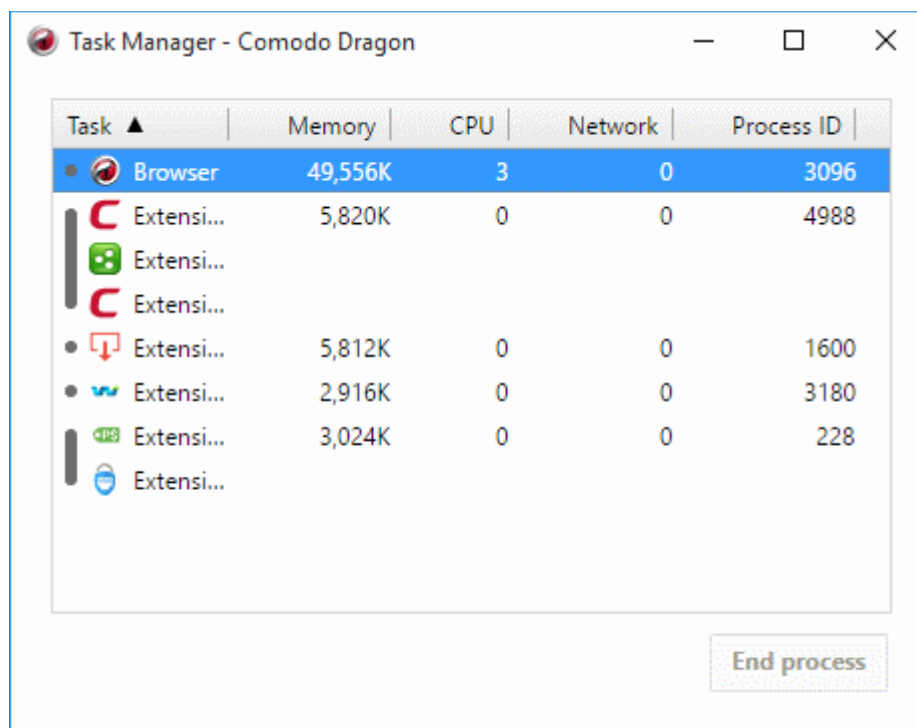
The Task Manager allows you to view and control all processes that Dragon is currently running.

- Click the menu  button located at the top-right corner.
- Select 'More tools' > 'Task manager' from the menu.

OR

- Press Shift + Esc (whilst Dragon is your active application).

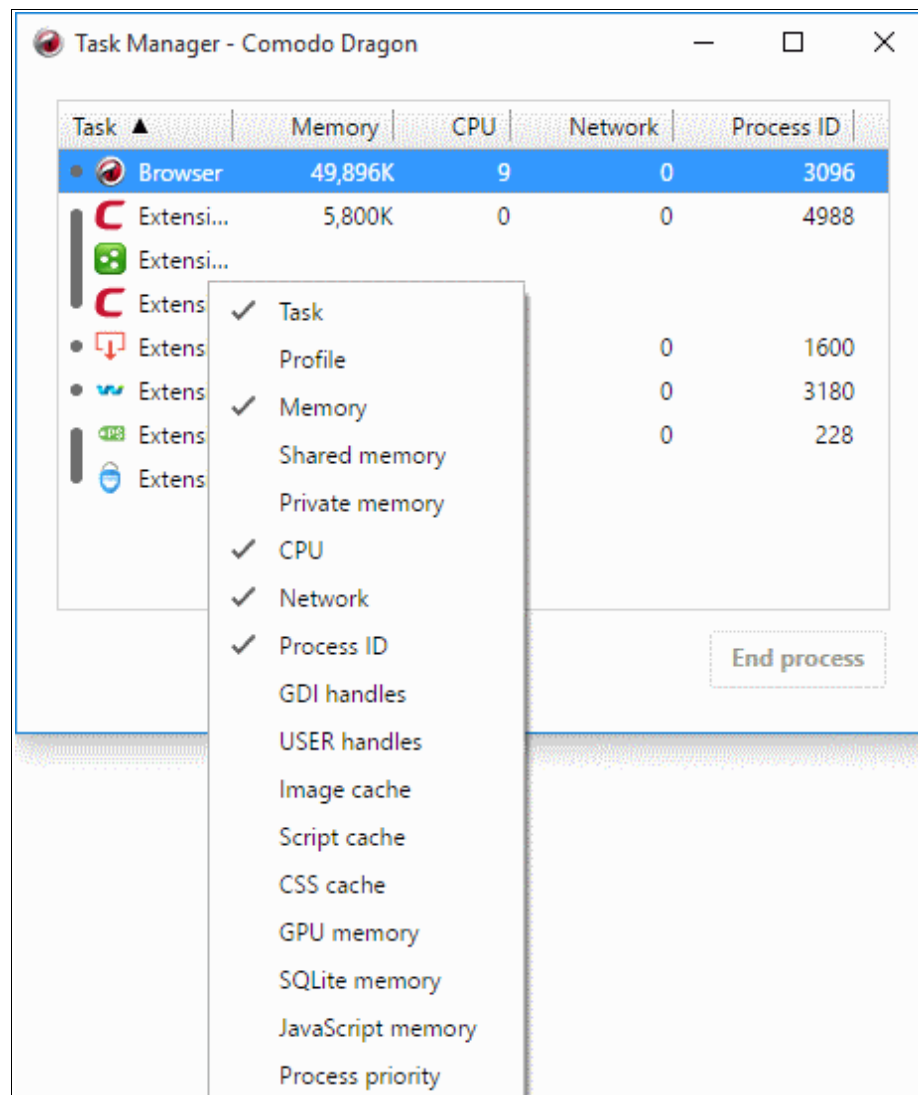
The main interface will show you the amount of Memory, CPU and Network traffic that are consumed by these processes.



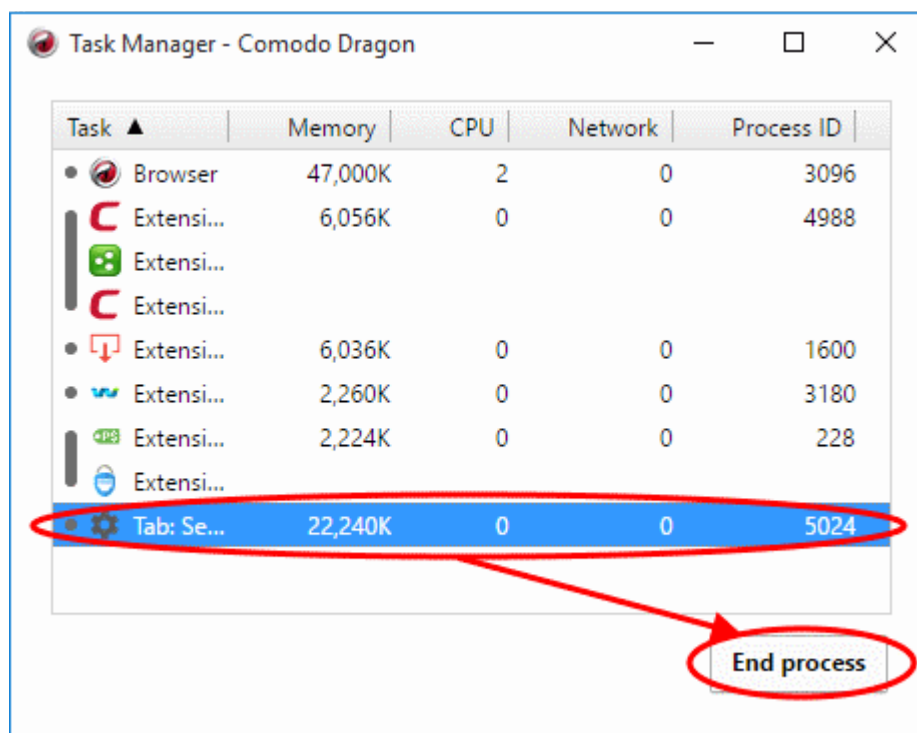
## Default Columns

- **Task** - Name of the Comodo Dragon process
- **Memory** - RAM consumed by the process
- **CPU** - How much CPU processing power is used by the Dragon process
- **Network** - How much network traffic is being used by that process
- **Process ID** - The identification number of the Dragon process

Advanced users can add or remove columns to the Task Manager display by right clicking anywhere in the interface:



- To close any open process, simply highlight the process in question and click the 'End Process'.



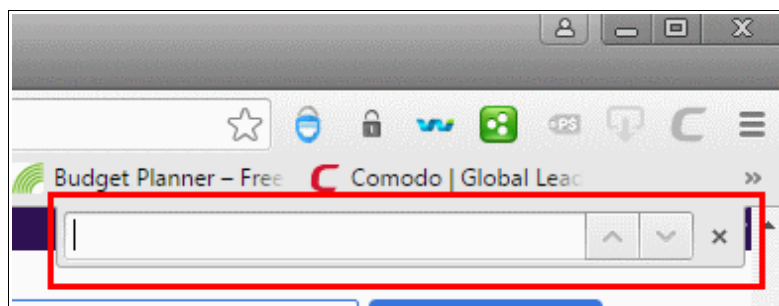
## 9.11. Searching Within Page Content

You can search for content within the page by using the 'Find' feature.

- Click the menu  button located at the top-right corner.
- Click 'Find'... button



OR

- Use the keyboard shortcut CTRL + F keys.



Type your search term in the find text box that appears in the top-right corner of the page.


Comodo Dragon automatically searches the page as you type, highlighting potential matches in yellow. You can also quickly see where all the matches are located on a webpage, using the yellow markers on the scrollbar.

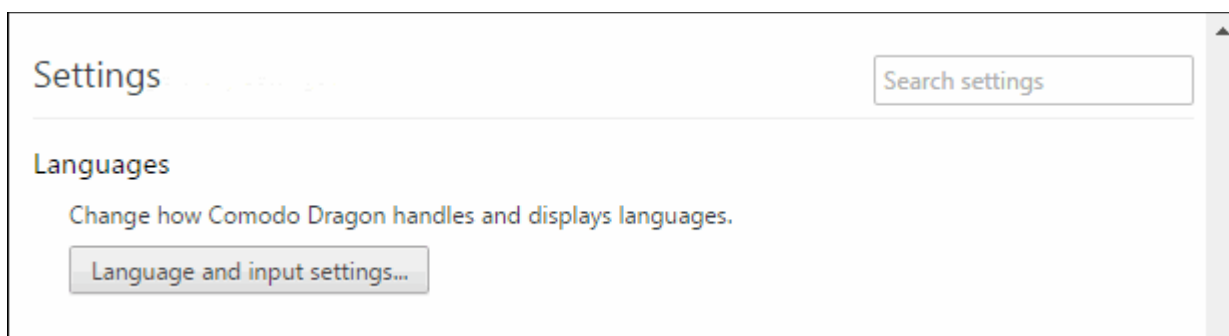
The number of items that matches the search parameter will be displayed at the far right of the search field box. You can search up or down the web page by clicking the  or  buttons.

- To close the search box, click the  button.

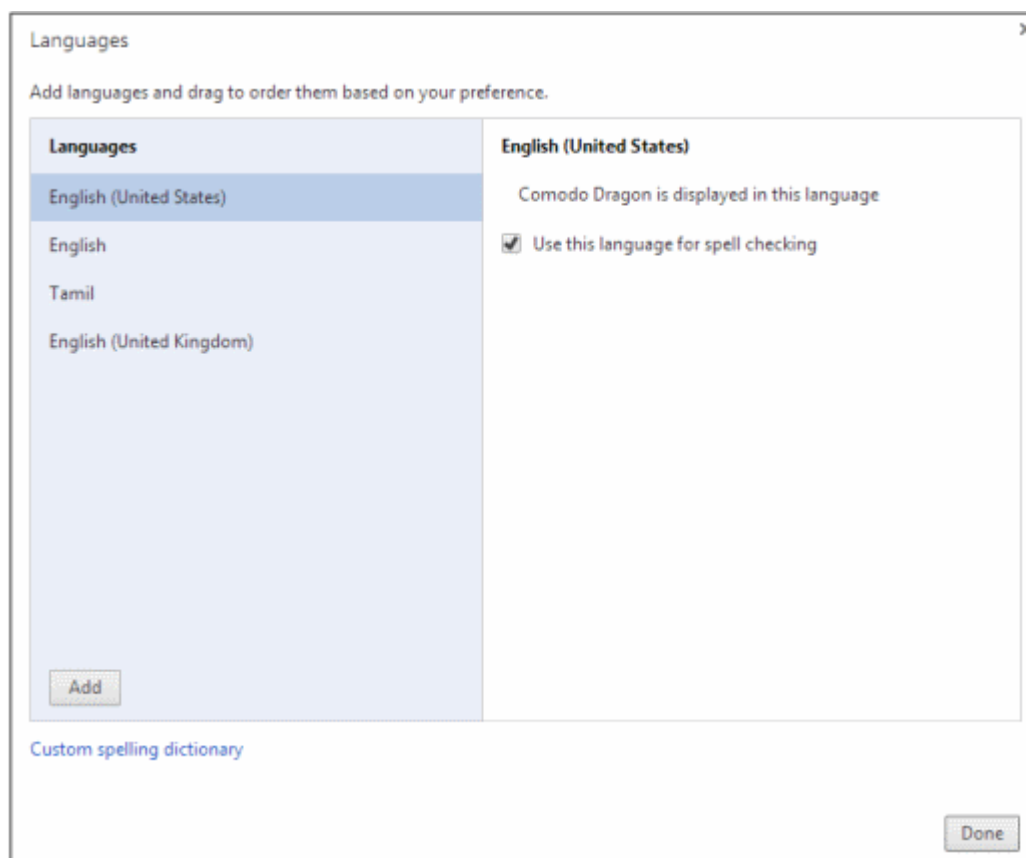
## 9.12. Customizing your Spell Checker

Comodo Dragon's built-in spell checker automatically checks for spelling when you type something in web forms and text fields. If any word is not listed in Dragon dictionary, then it will show as a spelling mistake each time you type that word. You can add words in Dragon dictionary in order to avoid showing them as spelling mistake and also set language to be used for spell check.

- Click the menu  button located at the top-right corner.
- Click 'Settings' > 'Show advanced settings' link.
- Scroll down to the 'Languages' section.

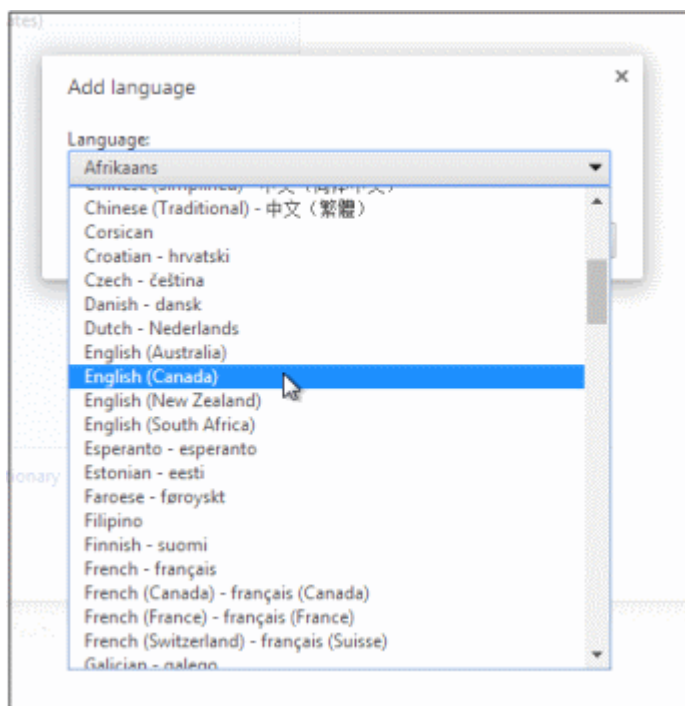


- Click 'Language and input settings'.
- The 'Languages' dialog will be displayed.



- Select the language that should be used for spell check
- To add more languages to the list, click 'Add' at the bottom and select the language from the drop-down





- Click 'OK'. The selected language will be added to the list.
- Select 'Use this language for spell checking' check box.
- Click 'Done'.
- To remove a language from the list, select it and click 'X'.

## Adding a new word to the dictionary

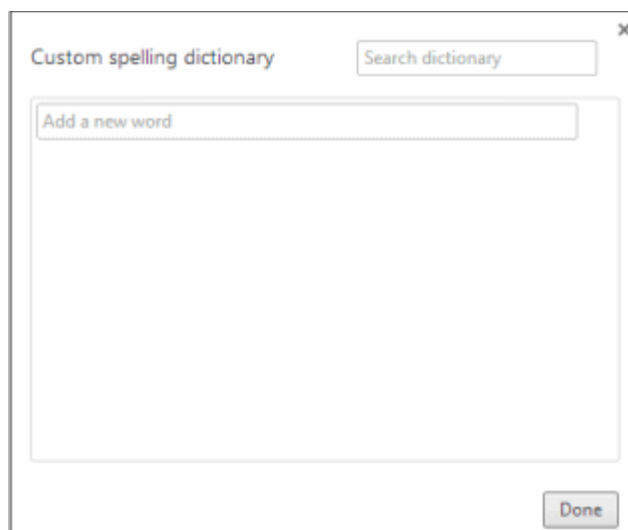
You can add words to Comodo Dragon dictionary that you feel are correct so that these words will not be checked for spelling.

### To add words to custom spelling dictionary

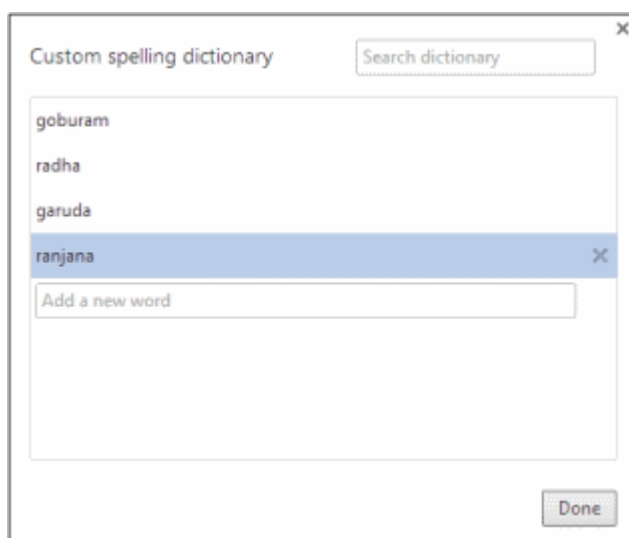
- Click 'Custom spelling dictionary' link at the bottom of the 'Languages' dialog



The 'Custom spelling dictionary' dialog will be displayed.




- Type the word in the 'Add a new word' text box and click 'Enter' to add more words.
- To remove a word, select it and click 'X'.

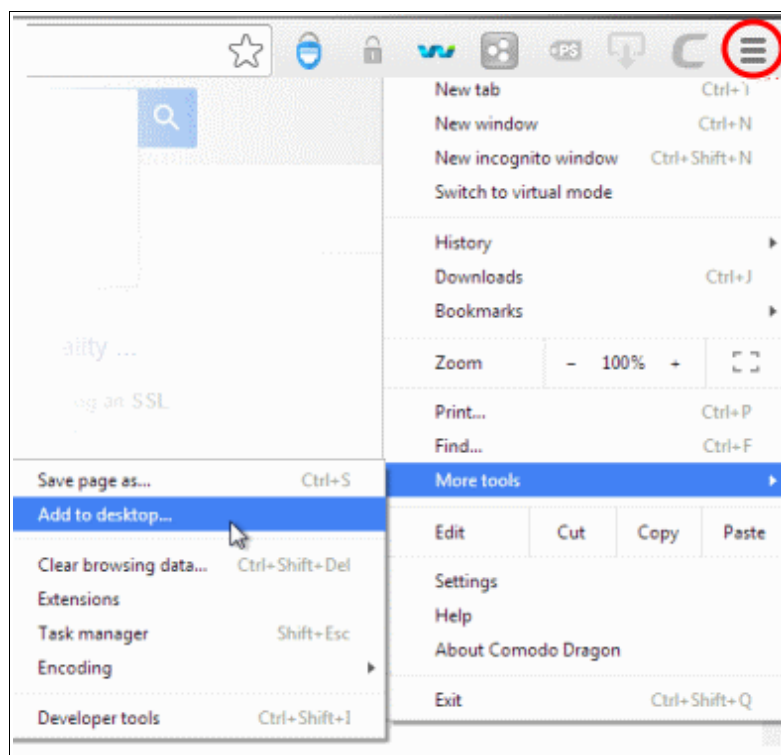


- Click 'Done' after adding the words.

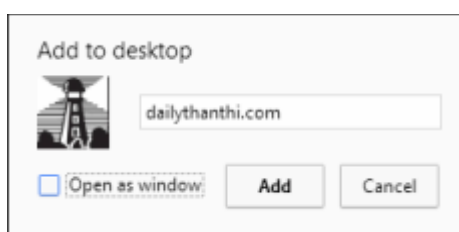
## 9.13. Creating Application Shortcuts

Comodo Dragon allows you to create application shortcut to desktop of websites that you regularly visit.

- Open the webpage that you want to create a shortcut
- Click the menu  button located at the top-right corner.
- Click 'More tools' > 'Add to desktop...'



An 'Add to desktop' dialog will be displayed.




- Select 'Open as window' if you want the page to open in a single window.
- Click 'Add'.

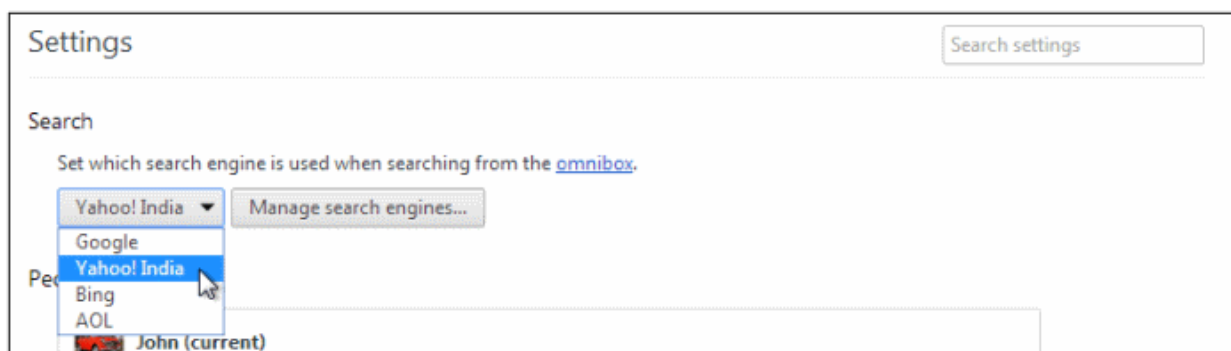
A desktop shortcut will be created for the webpage.

## 9.14. Managing Your Search Engines

When you use a search engine, Comodo Dragon automatically recognizes it and adds to its list of usable search engines. You also can add a new search engine, edit, and remove a search engine from the list of those available. You can also specify which should be your default search engine.

The address bar (omnibox) can be used as a search box. Dragon automatically uses Yahoo by default, but you can configure another default search engine.

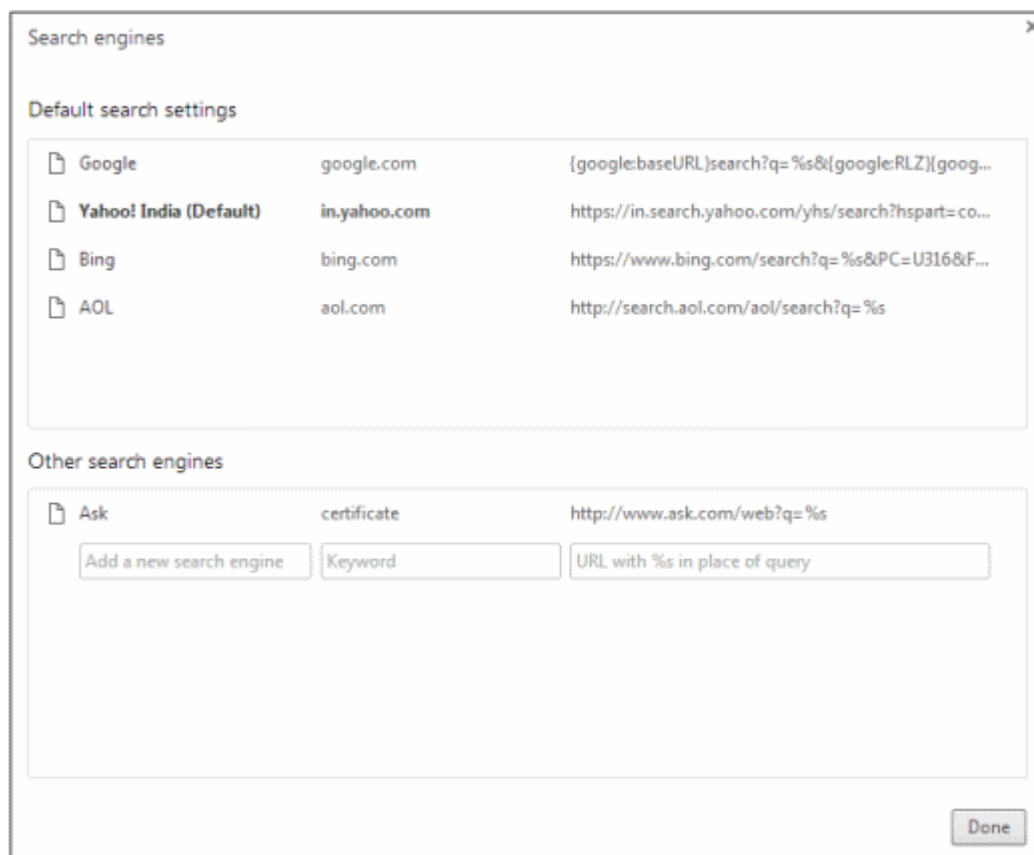
- Click the menu  button located at the top-right corner.
- Select Settings and scroll to 'Search' section.
- Click the drop-down menu to view a list of available search engines.



- Select the search engine that you want to set as default from the drop-down.

The selected search engine will be used by Dragon as default in future.

- Click the 'Manage search engines' button to open the Search Engines dialog.



- To set a default search engine as default, hover over it and click 'Make Default'.

The 'Other search engines' area displays search engines that are used by Dragon and added automatically. You can also add search engines manually in this section.

- To add a search engine, fill out the fields and click 'Enter'
- To edit a search engine, select it and edit the fields as required
- To delete a search engine, select it and click 'X' that appears at the far end of the row
- To set a default search engine as default under 'Other search engines', hover over it and click 'Make


- Default'.
- Click 'Done'.

## 9.15. Viewing and Stopping Background Pages and Applications

Comodo Dragon allows to see which background pages are running and how much resources they are using. This can help you manage and optimize resource usage by closing pages that you now longer require.

### Tip

- **Background Pages** - Web pages that are opened in the background (and may not be visible to you).
- **Background applications** - Applications that can keep running even after you close the browser.

- Click the menu  button located at the top-right corner.
- Select the 'More tools' > 'Task manager'.

For more details about task manager, please see '[Viewing task manager from Comodo Dragon](#)'.

- The first column lists items that are active such as extension, plugins, tabs. Look for items that are labeled as 'Background page'
- Click the 'End process' button from the list to stop any of these items after selecting it.

Select 'Exit' from the menu button' to close Comodo Dragon, when background applications are running.

## 9.16. Viewing, Saving and Printing a PDF


Comodo Dragon allows you to quickly view, save, print, and find text within PDFs.

### To open a PDF file

- Use the keyboard shortcut **Ctrl+O**, navigate to the location where the PDF file is saved and click 'Open'


### To save a PDF

Use any of the following methods:

- Right-click the PDF and select 'Save as'.
- Use the keyboard shortcut **Ctrl+S**.
- Click the menu  button located at the top-right corner and select 'Save page as...'

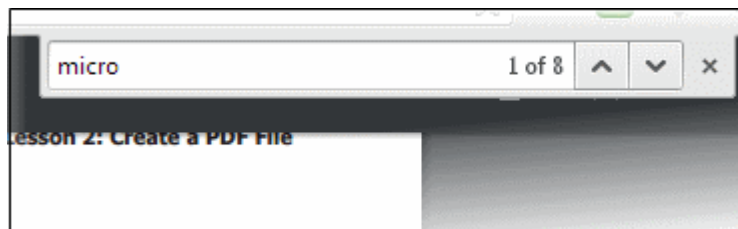
### To print a PDF




Use any of the following methods:

- Right-click the PDF and select Print.
- Use the keyboard shortcut **Ctrl+P**.
- Click the menu  button located at the top-right corner and select 'Print...'

## To search in a PDF

- Press the keyboard shortcut **Ctrl+F** to search the text in your PDF.
- The search window at the right hand side will appear.



- Enter the text in the search box
- The number of matching items will be displayed on the right.
- You can search up or down the PDF file by clicking the  or  buttons.
- To close the search box, click the  button.


## 9.17. Keyboard and Mouse Shortcuts for Comodo Dragon

### Tab and window shortcuts

Key Combination	Description
Ctrl+N	Opens a new window.
Ctrl+T	Opens a new tab.
Ctrl+Shift+N	Opens a new window in incognito mode.
Press Ctrl+O, then select file.	Opens a file from your computer in Comodo Dragon.
Press Ctrl and click a link. Or click a link with your middle mouse button (or mousewheel).	Opens the link in a new tab in the background.
Press Ctrl+Shift and click a link. Or press Shift and click a link with your middle mouse button (or mouse wheel).	Opens the link in a new tab and switches to the newly opened tab.
Press Shift and click a link.	Opens the link in a new window.
Ctrl+Shift+T	Reopens the last tab you've closed. Comodo Dragon remembers the last 10 tabs you've closed.
Drag a link to a tab	Opens the link on that tab.
Drag a link to a blank area on the tab strip.	Opens the link in a new tab.
Drag a tab out of the tab strip.	Opens the tab in a new window.
Drag a tab out of the tab strip and into an existing window.	Opens the tab in the existing window.
Press Esc while dragging a tab.	Returns the tab to its original position.
Ctrl+1 through Ctrl+8	Switches to the tab at the specified position number on the tab strip.

Ctrl+9	Switches to the last tab at the right.
Ctrl+Tab or Ctrl+PgDown or Ctrl+PgUp	Switches between the tabs sequentially.
Alt+F4	Closes the current window.
Ctrl+W or Ctrl+F4	Closes the current tab or pop-up.
Click a tab with your middle mouse button (or mouse wheel)	Closes the tab you clicked.
Right-click, or click and hold either the Back or Forward arrow in the browser toolbar.	Displays your browsing history in the tab.
Press Backspace, or Alt and the left arrow together.	Goes to the previous page in your browsing history for the tab.
Press Shift+Backspace, or Alt and the right arrow together.	Goes to the next page in your browsing history for the tab.
Press Ctrl and click either the Back arrow or Forward arrow or click either button with your middle mouse button (or mouse wheel)	Opens the button destination in a new tab in the background.
Double-click the blank area on the tab strip	Maximizes or minimizes the window.
Alt+Home	Opens your homepage in your current window.

## Comodo Dragon feature shortcuts

Key Combination	Description
Alt+F or Alt+E or F10	Opens the Dragon menu  , which lets you customize and control settings in Comodo Dragon.
Ctrl+Shift+B	Toggles the bookmarks bar on and off.
Ctrl+H	Opens the History page.
Ctrl+J	Opens the Downloads page.
Shift+Esc	Opens the Task Manager.
Shift+Alt+T	Highlights the first tool in the browser toolbar, for example, the 'Refresh' button. You can then use the following shortcuts to move around in the toolbar: <ul style="list-style-type: none"> <li>• Press Tab, Shift+Tab, Home, End, right arrow, and left arrow to move focus to different items in the toolbar.</li> <li>• Press Space or Enter to activate toolbar buttons, including page actions and browser actions.</li> <li>• Press Shift+F10 to bring up any associated context menu (e.g. browsing history for the Back button).</li> <li>• Press Esc to return focus from the toolbar back to the page.</li> </ul>

F6 or Shift+F6	Switches the current selection to the next keyboard-accessible pane. Panes include: <ul style="list-style-type: none"> <li>• Address bar</li> <li>• Bookmarks bar (if visible)</li> <li>• The main web content (including any infobars)</li> <li>• Downloads bar (if visible)</li> </ul>
Ctrl+Shift+J	Opens Developer Tools.
Ctrl+Shift+Delete	Opens the 'Clear Browsing Data' dialog.
F1	Opens the Help Center in a new tab.

## Text shortcuts

Key Combination	Description
Ctrl+C	Copies highlighted content to the clipboard.
Ctrl+V or Shift+Insert	Pastes content from the clipboard.
Ctrl+Shift+V	Paste content from the clipboard without formatting.
Ctrl+X or Shift+Delete	Deletes the highlighted content and copies it to the clipboard.

## Webpage shortcuts

Key Combination	Description
Ctrl+P	Prints your current page.
Ctrl+S	Saves your current page.
F5 or Ctrl+R	Reloads your current page.
Esc	Stops the loading of your current page.
Ctrl+F	Opens the find bar.
Ctrl+G or F3	Finds the next match for your input in the find bar.
Ctrl+Shift+G, Shift+F3, or Shift+Enter	Finds the previous match for your input in the find bar.
Click the middle mouse button (or mousewheel).	Activates auto-scrolling. As you move your mouse, the page automatically scrolls according to the direction of the mouse.
Ctrl+F5 or Shift+F5	Reloads your current page, ignoring cached content.
Press Alt and click a link.	Downloads the target of the link.



Ctrl+U	Opens the source of your current page.
Drag a link to bookmarks bar	Saves the link as a bookmark.
Ctrl+D	Saves your current webpage as a bookmark.
Ctrl+Shift+D	Saves all open pages as bookmarks in a new folder.
F11	Opens your page in full-screen mode. Press F11 again to exit full-screen.
Ctrl and +, or press Ctrl and scroll your mousewheel up	Enlarges everything on the page.
Ctrl and -, or press Ctrl and scroll your mousewheel down	Makes everything on the page smaller.
Ctrl+0	Returns everything on the page to normal size.
Space bar	Scrolls down the web page.
Home	Goes to the top of the page.
End	Goes to the bottom of the page.
Press Shift and scroll your mousewheel	Scrolls horizontally on the page.

## Address bar shortcuts

Key Combination	Description
Type a search term, then press Enter	Performs a search using your default search engine.
Type a search engine keyword, press Space, type a search term, and press Enter	Performs a search using the search engine associated with the keyword.
Begin typing a search engine URL, press Tab when prompted, type a search term, and press Enter	Performs a search using the search engine associated with the URL.
Ctrl+Enter	Adds www. and .com to your input in the address bar and open the resulting URL.
Type a URL, then press Alt+Enter	Opens the URL in a new tab.
Ctrl+L or Alt+D	Highlights the URL.
Ctrl+K or Ctrl+E	Places a '?' in the address bar. Type a search term after the question mark to perform a search using your default search engine.
Press Ctrl and the left arrow together	Moves your cursor to the preceding key term in the address bar.
Press Ctrl and the right arrow together	Moves your cursor to the next key term in the address bar.
Ctrl+Backspace	Deletes the key term that precedes your cursor in the address bar.
Select an entry in the address bar drop-down menu with	Deletes the entry from your browsing history, if possible.





your keyboard arrows, then press Shift+Delete.	
Click an entry in the address bar drop-down menu with your middle mouse button (or mousewheel).	Opens the entry in a new tab in the background.
Press Page Up or Page Down when the address bar drop-down menu is visible.	Selects the first or last entry in the drop-down menu.

## 9.18. Website Security Indicators

Comodo Dragon displays indicators and details about the security of the connection between it and the website you are visiting. It also alerts you if it is unable to establish a fully secure connection with the site.

Transport Layer Security (TLS) or Secure Sockets Layer (SSL) protocol provides an encrypted tunnel between your computer and the site you are viewing. All data transmitted between you and the website pass through Internet in an encrypted manner, so that it cannot be deciphered by third parties that try to intercept the transmission. This prevents your sensitive data like your credit card numbers, passwords etc. being stolen by hackers. Secure websites enforce this protection by deploying SSL certificates on their web servers. Comodo Dragon displays indications and details for you to check whether the website you visit is protected by TLS/SSL and the connection security status.

The icon at the left of the URL in the address bar indicates whether the website uses TLS/SSL and its current connection security status. The websites that are not using SSL will be indicated with a blank paper icon. The websites that use SSL to transmit information will be indicated with a lock icon, also, the their website address will start with 'https://'. The following table contains descriptions of different types of icons.

Icon	Description
	The blank paper icon appears when you visit sites that are not using SSL.
	The green lock icon appears when Comodo Dragon successfully establishes a secure connection with the site you are viewing. If the site uses an Extended Validation SSL (EV SSL) certificate, the organization's name will appear next to the icon with green text.
	The alert icon appears when Comodo Dragon detects that the site has included some insecure content (such as images) on the page. Such content can provide loopholes for someone to manipulate the page you're viewing.
	The alert icon appears when Comodo Dragon detects high-risk insecure content on the page or when the site presents an invalid certificate. The "https" in the URL is also crossed out when this happens.

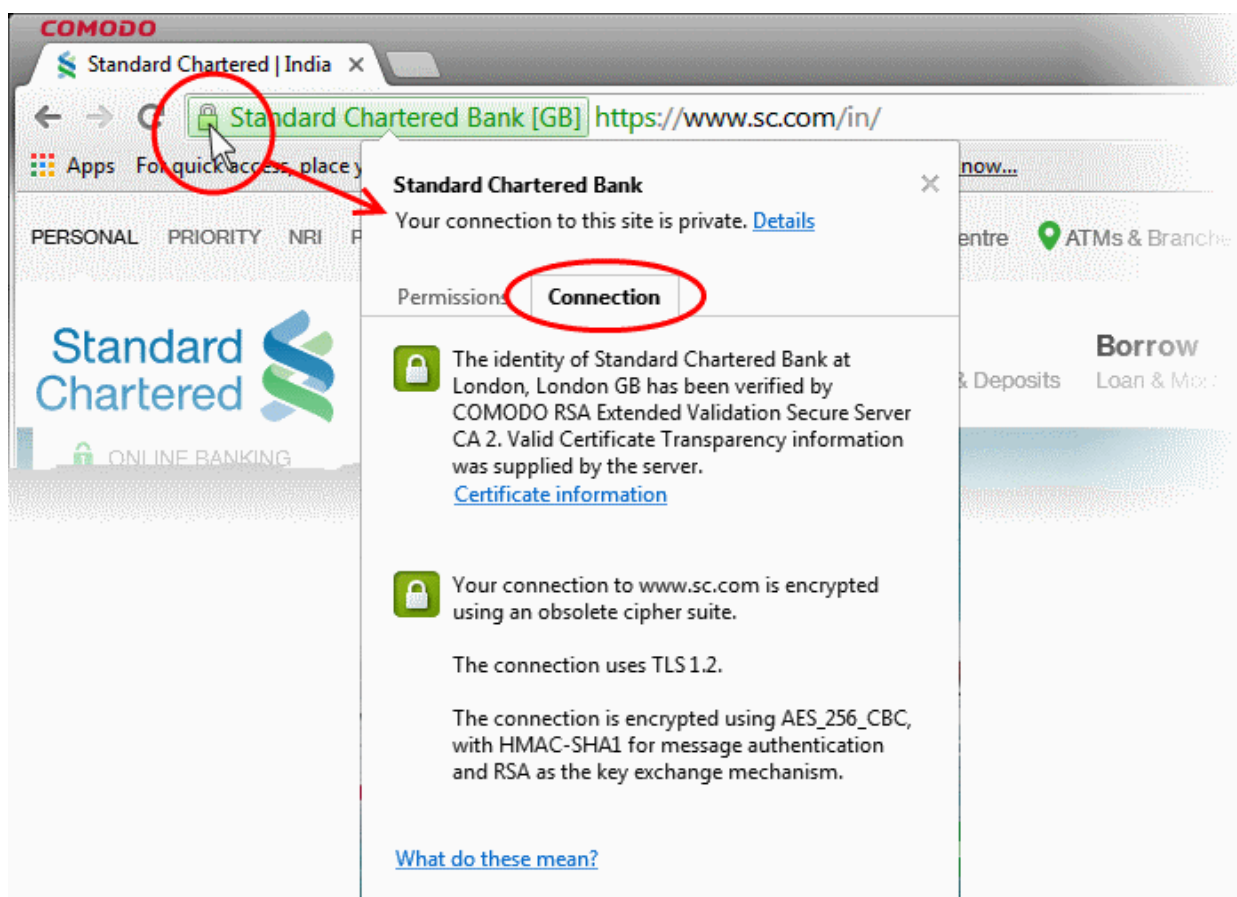
You also can see more details about the site's identity, by clicking on the icon.

### To view the site identity and connection security information

- Click on the lock/blank paper icon at the left of the URL in the address bar

The identity information dialog will appear as a drop-down

- Select the 'Connection' tab from the dialog







The upper pane displays the site identity information and the lower pane displays the connection security information. The following sections explain more on:

- **Site Identity**
- **Connection Security**

## Site Identity





The upper pane allows you to verify the site's identity. The icon in this pane indicates whether or not a sites uses TLS/SSL protocols. You can identify a website as genuine and trusted if it uses a valid TLS/SSL certificate. Invalid certificates could mean that someone is trying to tamper with your connection to the site.

Icon	Description
Green Lock Icon 	Indicates that the identity of the website has been verified by authority. The site's security certificate is valid and has been verified by a trusted third-party authority.
Orange Exclamation icon 	Indicates that the identity of this website has not been verified. The site does not use an SSL certificate. This is normal for regular HTTP sites.
Lock with Yellow Warning triangle 	Indicates that the site uses a SSL certificate, but with a weak security setup (SHA-1 signatures), so your connection might not be private.  Proceed with caution. These are common mistakes in websites' configurations, but that doesn't guarantee that your connection is secure.


<p>Red Lock icon </p>	<p>Indicates that the Dragon has identified some problems with the site's SSL certificate. Proceed with caution, because someone on your network (like someone sharing your wi-fi connection) might be messing with the website. If you disclose any information on the website, the person on the network might be able to read it.</p>
--------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## Connection Security

Comodo Dragon informs you whether your connection is fully encrypted. If your connection is insecure, third parties might be able to view or tamper with the information you provide on the site.

Icon	Description
<p>Green Lock Icon </p>	<p>Indicates that your connection to the site is encrypted. Comodo Dragon could successfully set up a secure connection with the site you are viewing.</p>
<p>Orange Exclamation icon </p>	<p>Indicates that your connection to the site is not encrypted. The site is not using SSL to transmit information. This is normal for regular HTTP sites</p>
<p>Lock with Yellow Warning triangle </p>	<p>Indicates that your connection to the site is encrypted but Dragon has detected some unwanted ads or images in the page, that may create loopholes. Avoid entering your personal information on these web pages.</p>
<p>Red Lock icon </p>	<p>Indicates your connection to the site is encrypted, but contains some mixed scripting. Avoid entering personal information on these web pages.</p> <p>Mixed scripting is when a page transmitted over HTTPS loads the content over HTTP. It can create loopholes for someone to take over the page. This could be because of third-party scripts or videos embedded on the page.</p>

## 9.19. The Share Page Button

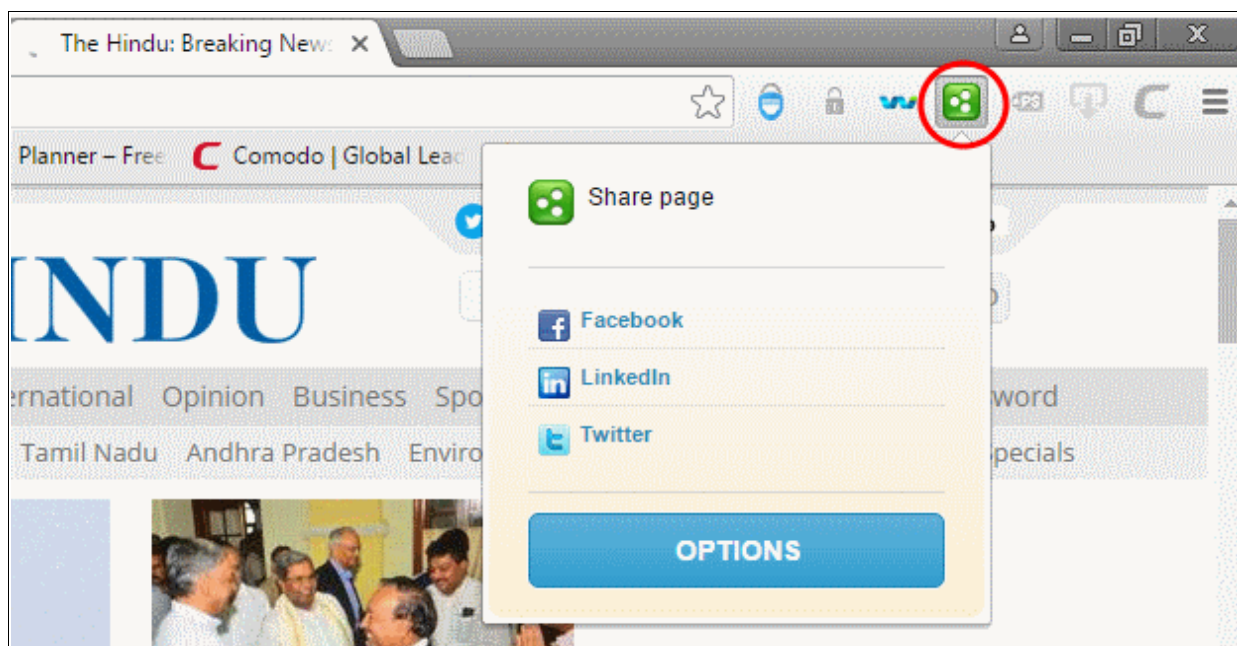
Social networking websites play an important role in our lives, allowing us to easily share information, news and the latest updates with our network of friends. Comodo Dragon allows you to share the web page you are viewing with your friends and family by just clicking the social media button  at the top right of the toolbar.

Apart from the added convenience, this button is also a far more secure way of accessing your account.

Recently, the security of 'Share' buttons embedded on web pages has been called into question. In a 'clickjacking' attack, the 'Share' button on a malicious website will open a fake login page where you will be asked to enter your user-name and password. The hackers will then have access to your account. In another type of attack, the 'Share' button will share a completely different website to the one you are looking at. This means you could unwittingly recommend phishing websites, malware downloads or XXX sites to your network of friends.

The Dragon social media button will always open the genuine Facebook/Twitter/LinkedIn website and allow you to safely login and share the page. It is good practice to use this button instead of the 'Share' buttons on the websites themselves.

- To share a web-page, click the 'Share Page' button 



A Share Page dialog will appear as a drop-down. It contains shortcut links to share the web page through your Facebook, LinkedIn and Twitter accounts by default. You can add or remove social network sites to this dialog by clicking 'Options'.

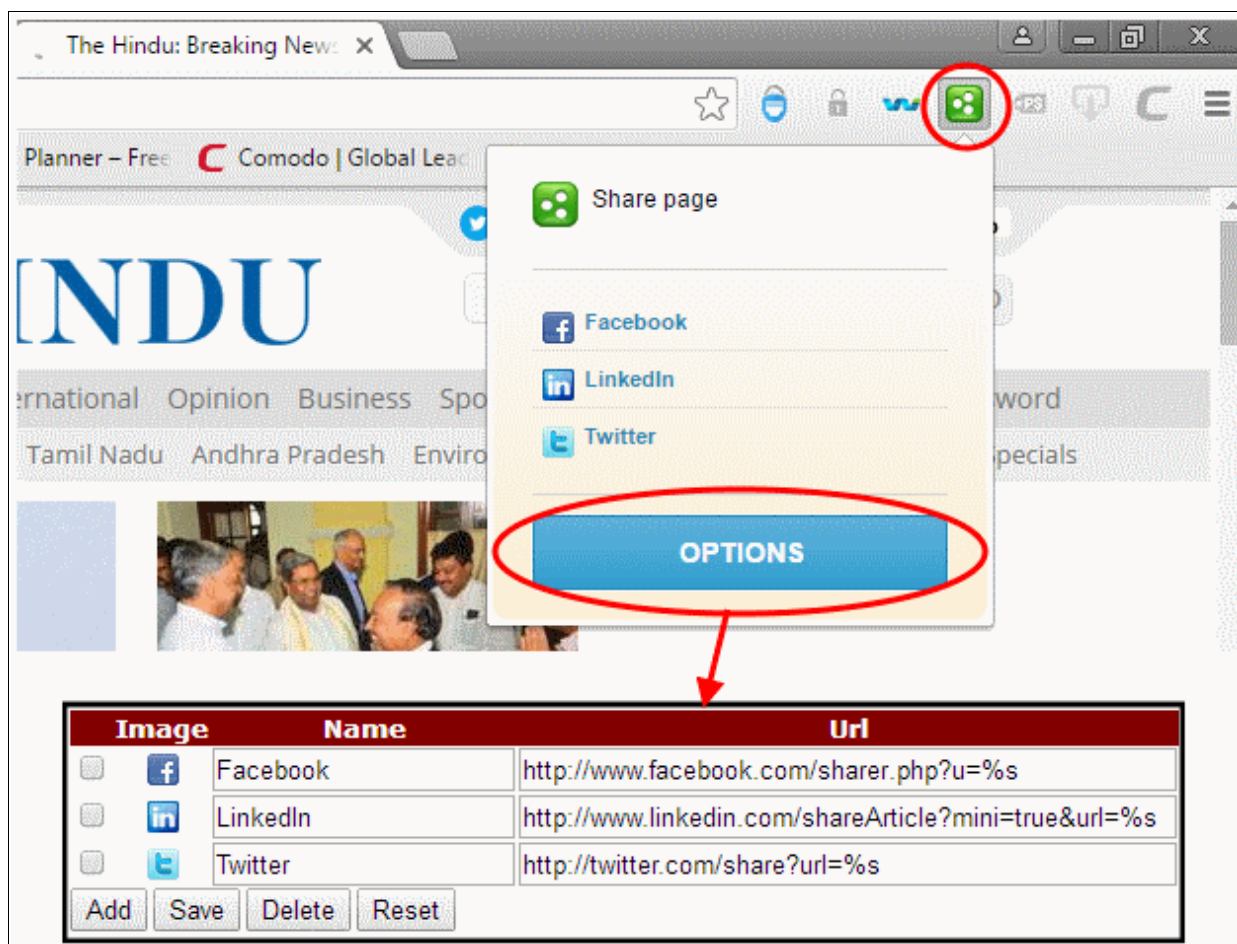
- To share the webpage through your desired social networking site, click the respective shortcut.

You will be taken to the respective login page, enabling you to login to your account and share the page.

Note: If you are already logged-in to your account through another tab or another Comodo Dragon Window, clicking the shortcut will directly allow you to share the page.

- To add or remove social networking sites, click the 'Options' button from the 'Share page' dialog.

The page for managing the shortcuts for social networking sites will appear.



- To modify the name and URL of existing social networks, directly edit the respective fields
- To add a new network, click the 'Add' button and enter the name and URL of the service 'share' page. Click 'Save' to confirm your choice. Your new network will be available when you click the 'Share Page' button.
- To remove a network, select the check-box next to the service in question and click 'Delete'.
- Click the 'Reset' button to remove all user defined networks and return to the default selection of networks (currently Facebook, LinkedIn and Twitter).


## 9.20. Configuring Access Pages Through A Web Proxy

Comodo Dragon allows you to connect to the internet via a Proxy server.

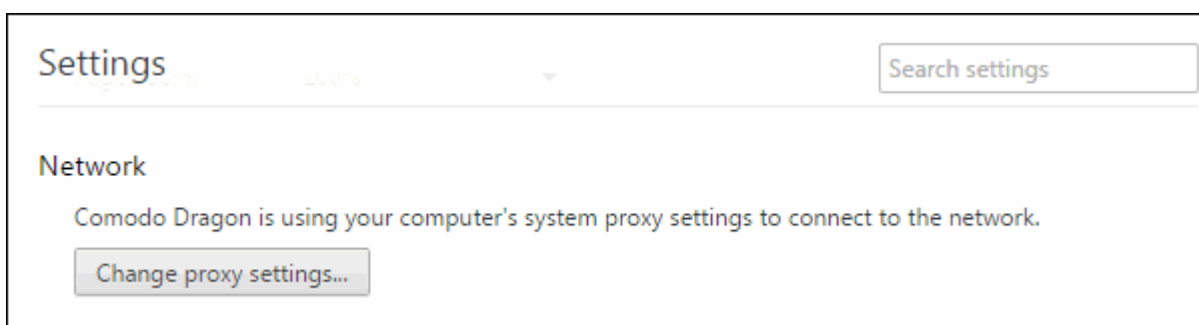
You may consider using a proxy for the following reasons:

- To anonymize your connection to the internet.
- To speed up access to resources.
- To implement access policy to a network (for example, to block undesirable websites).
- To audit usage (for example, to log internet usage).
- To scan traffic for malware prior to it entering or leaving the internal network.

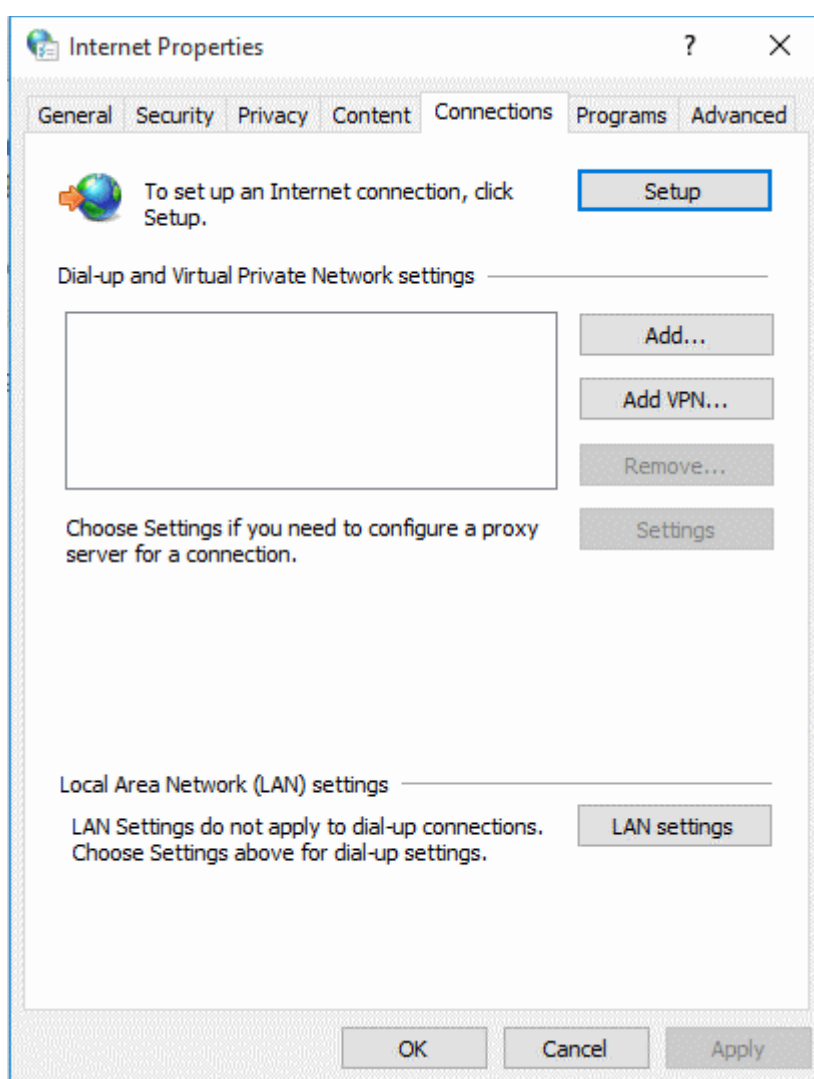
To set up a proxy connection

- Navigate to the Comodo Dragon menu  located at the top-right corner
- Click 'Settings' > 'Show advanced settings'
- Scroll down to the 'Network' section

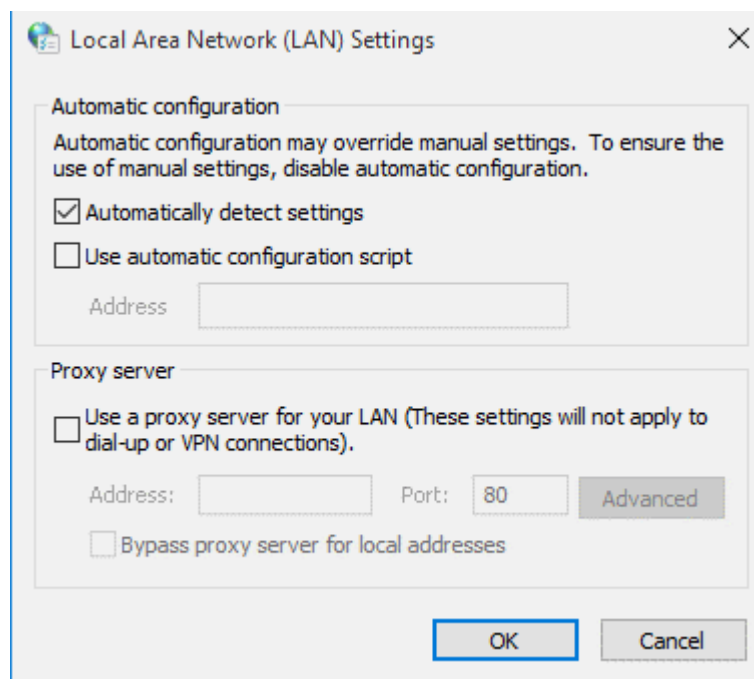
- Click the 'Change proxy settings' button to open 'Internet Properties':.



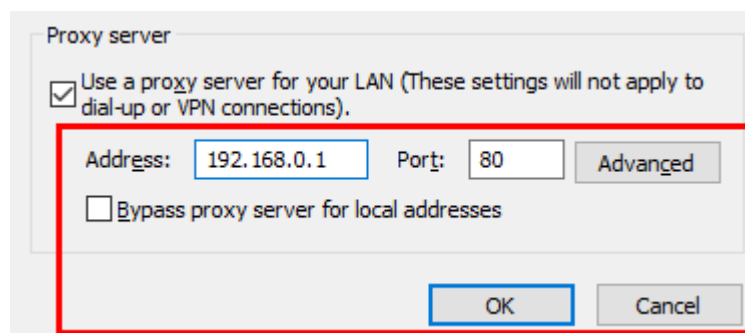
- On the 'Connections' tab, click the 'LAN settings' button:



- Select 'Use a proxy server for your LAN':



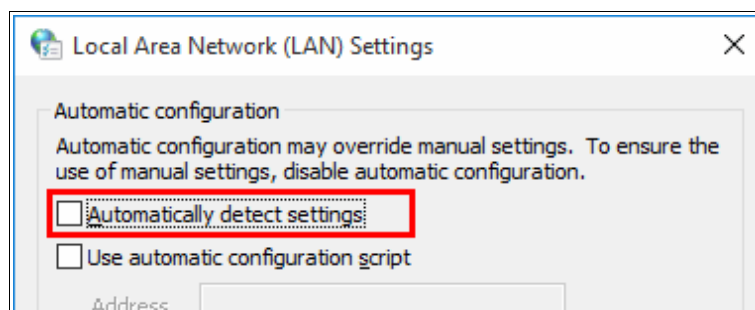
...then enter the address of the proxy server you wish to use:



- Click 'OK' for the setting to take effect.

## To cancel your Proxy connection

- Deselect the 'Automatically detect settings' checkbox:




- Click 'OK'.

## 9.21. Scan Websites for Malware Using Web Inspector

Comodo Dragon has a vital security feature that scans webpages and checks whether they perform malicious activities or host malware.

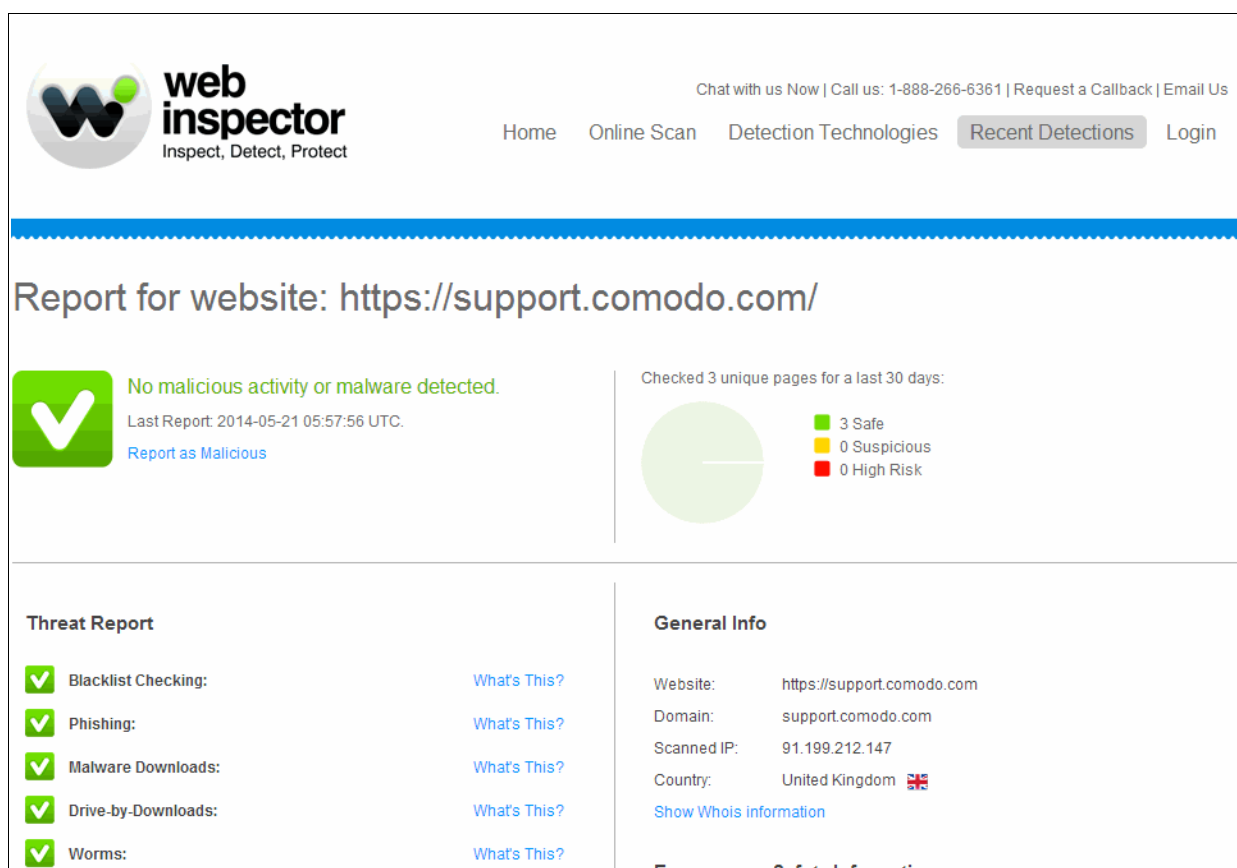


## To scan a page for malware


- Visit the page you wish to scan
- Click the Web Inspector icon  located at the top-right corner:



The scanning process for the webpage will commence immediately and the results shown in a new tab:

A screenshot of the Web Inspector website interface. The page title is "Report for website: https://support.comodo.com/". The main content area shows a green checkmark icon and the text "No malicious activity or malware detected." Below this, it says "Last Report: 2014-05-21 05:57:56 UTC." and a link "Report as Malicious". To the right, there is a pie chart titled "Checked 3 unique pages for a last 30 days:" with a legend showing 3 Safe (green), 0 Suspicious (yellow), and 0 High Risk (red). The bottom section is divided into two columns: "Threat Report" and "General Info".

Threat Report	
<input checked="" type="checkbox"/> Blacklist Checking:	<a href="#">What's This?</a>
<input checked="" type="checkbox"/> Phishing:	<a href="#">What's This?</a>
<input checked="" type="checkbox"/> Malware Downloads:	<a href="#">What's This?</a>
<input checked="" type="checkbox"/> Drive-by-Downloads:	<a href="#">What's This?</a>
<input checked="" type="checkbox"/> Worms:	<a href="#">What's This?</a>


General Info	
Website:	https://support.comodo.com
Domain:	support.comodo.com
Scanned IP:	91.199.212.147
Country:	United Kingdom 
<a href="#">Show Whois information</a>	

Sample report of a high risk page:

The screenshot shows the Web Inspector interface. At the top left is the logo for 'web inspector' with the tagline 'Inspect, Detect, Protect'. To the right are navigation links: 'Home', 'Online Scan', 'Detection Technologies', 'Recent Detections' (highlighted), and 'Login'. A contact bar includes 'Chat with us Now | Call us: 1-888-266-6361 | Request a Callback | Email Us'. The main heading is 'Report for website: http://www.platosducha.com/'. Below this, a red warning icon is next to the text 'This is a high risk site.' and 'Last Report: 2014-06-03 12:36:10 UTC.' with links for 'Details' and 'Report False Positive'. To the right, a pie chart shows 'Checked 2 unique pages for a last 30 days:' with a legend: 0 Safe (green), 0 Suspicious (yellow), and 2 High Risk (red). The chart is entirely red. Below the report are two columns: 'Threat Report' and 'General Info'. 'Threat Report' lists: Blacklist Checking (checked), Phishing (not checked, with 'View Details' and 'What's This?' links), Malware Downloads (checked), Drive-by-Downloads (checked), and Worms (checked). 'General Info' lists: Website (http://www.platosducha.com), Domain (www.platosducha.com), Scanned IP (212.48.78.194), and Country (United Kingdom with a UK flag icon), plus a 'Show Whois information' link.

If you wish to scan a URL before you open the page, please use the online scanner at <http://app.webinspector.com/>

## To set scanning type for links in a page

- Click the Comodo Dragon menu  located at the top-right corner
- Select 'Settings' -> Extensions.

OR

- Select 'More tools' > Extensions.

OR

- Enter '*chrome://extensions*' in the address bar and press enter.



Click the 'Options' link under Comodo Web Inspector.

The dialog box is titled 'Show context menu item:'. It contains two radio button options: 'Scan with Web Inspector' (unselected) and 'Scan with Web Inspector and navigate' (selected). Below the options is a 'Save' button.

- Select the type of scan that you want to be executed from the right-click options for a link.
  - **Scan with Web Inspector** - The page will be scanned by WI and when complete the report will be displayed.
  - **Scan with Web Inspector and navigate** - Displays the WI scanning process in a new tab and if no

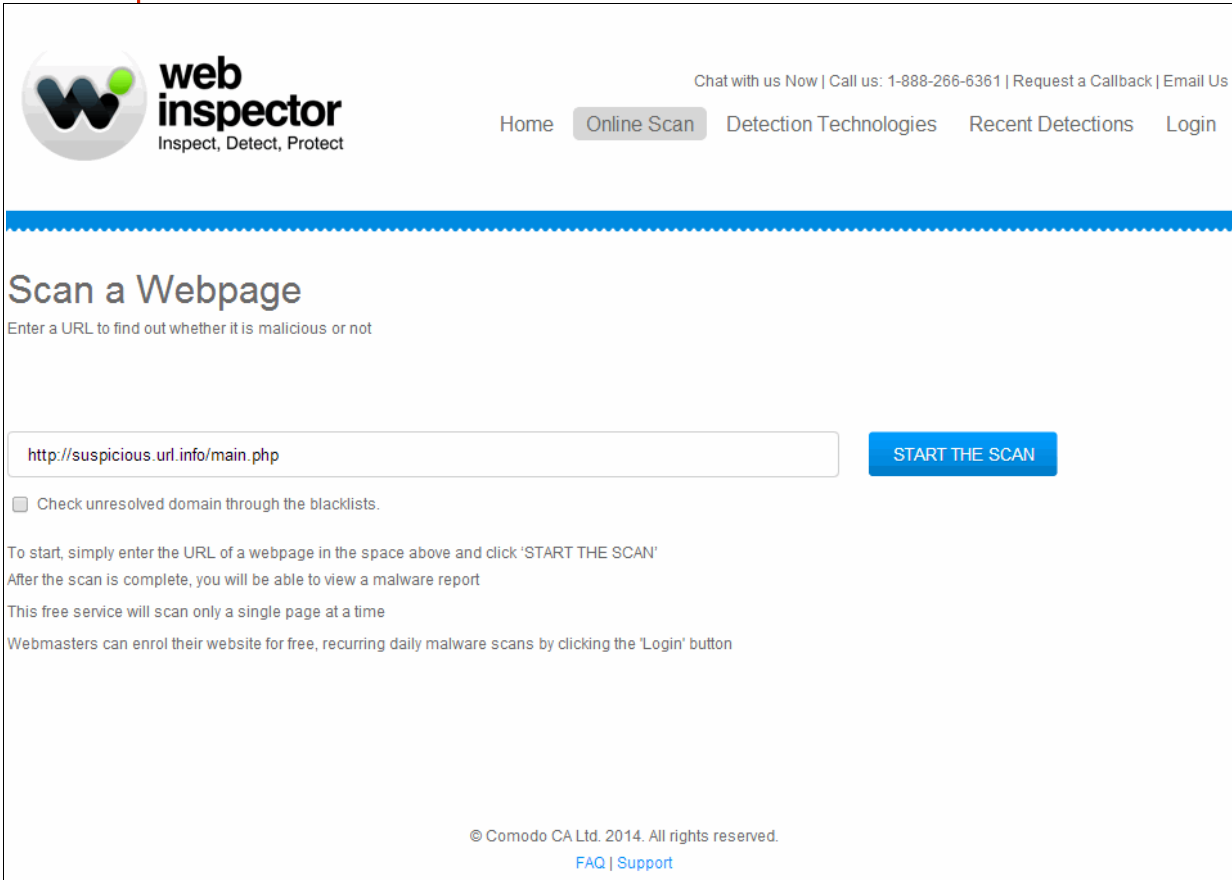
malware is found, the page will open.

To add/remove the Web Inspector (WI) icon:

- Click the Comodo Dragon menu  located at the top-right corner.
  - Select 'Settings' from the menu.
  - Click 'Extensions' on the left then select /deselect ' the check box beside Comodo Web inspector.
- Or
- Enter '*chrome://extensions*' in the address bar and press enter.
  - Select /deselect ' the check box beside Comodo Web inspector.
- Or
- Click the Comodo Dragon  menu located at the top-right corner
  - Select 'More tools' > 'Extensions'.
  - Select /deselect ' the check box beside Comodo Web inspector.

## The Web Inspector website

[www.webinspector.com](http://www.webinspector.com)



web inspector  
Inspect, Detect, Protect

Chat with us Now | Call us: 1-888-266-6361 | Request a Callback | Email Us

Home Online Scan Detection Technologies Recent Detections Login

## Scan a Webpage

Enter a URL to find out whether it is malicious or not

Check unresolved domain through the blacklists.

To start, simply enter the URL of a webpage in the space above and click 'START THE SCAN'  
After the scan is complete, you will be able to view a malware report  
This free service will scan only a single page at a time  
Webmasters can enrol their website for free, recurring daily malware scans by clicking the 'Login' button

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[FAQ](#) | [Support](#)


- Click 'Home' to view all advantages from using Web Inspector, plans and pricing and more.
- Click 'Online scan' and type the URL of the page that you want to scan in the blank box and click the 'START THE SCAN' button.

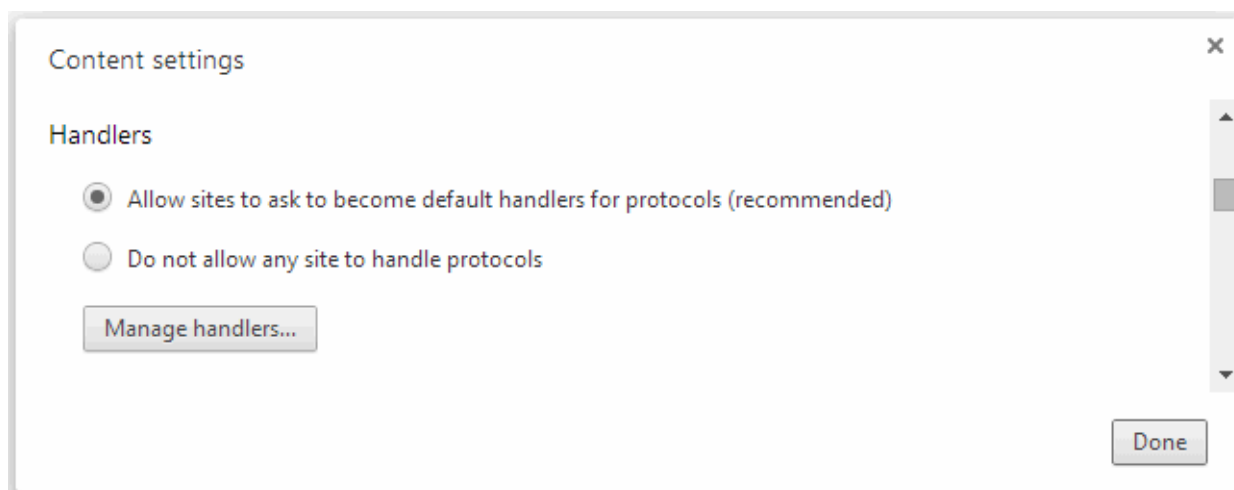
- Click 'Detection technologies' tab to view identified malicious code on a web page.
- Click the 'Recent Detections' tab to view the list of unsafe sites that Web Inspector has scanned in the last 48 hours and detected as malicious.
- Click 'Login' to enter to the your Web Inspector account.
- Click the 'FAQ' at the bottom right to know more about Web Inspector.
- Click 'Support ' at the bottom right to open Comodo support page, a searchable knowledge base and troubleshooter at <https://support.comodo.com>

## 9.22. Managing Protocol Handlers

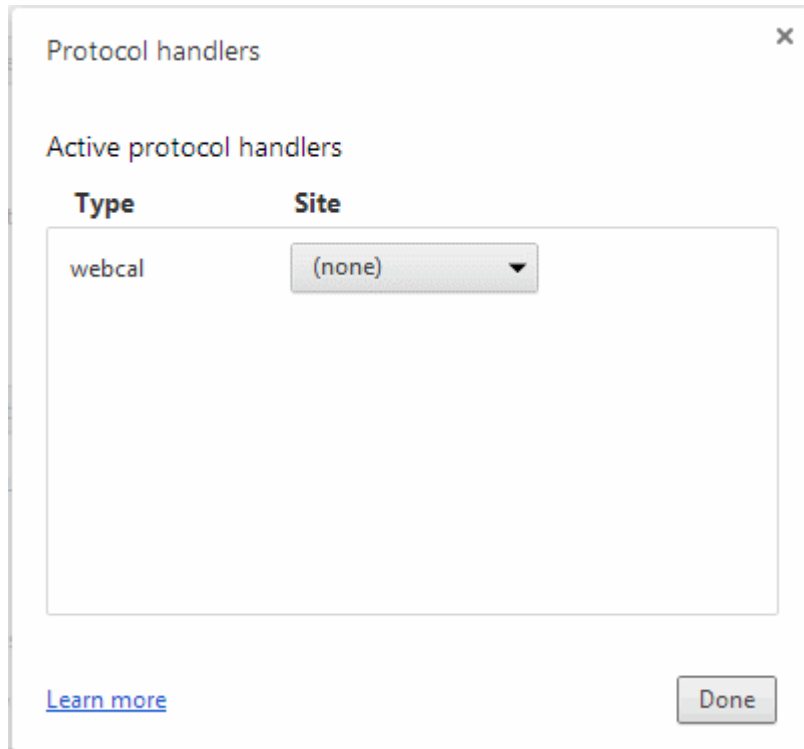
Some websites use different protocol handlers and web applications to open different types of links in a web page. For example, email links are prefixed with 'mailto:'. When a user clicks the link, the webpage, if it uses a web based application to handle emails, will ask permission to use the application to execute the link.

Comodo Dragon allows you to configure the handlers.

- Click the Comodo Dragon menu  located at the top-right and select 'Settings'
- Scroll down the 'Settings' page and click the 'Show advanced settings' link.
- Click the 'Content settings' in the 'Privacy' section.
- Scroll down to 'Handlers' section in the 'Content Settings' dialog.

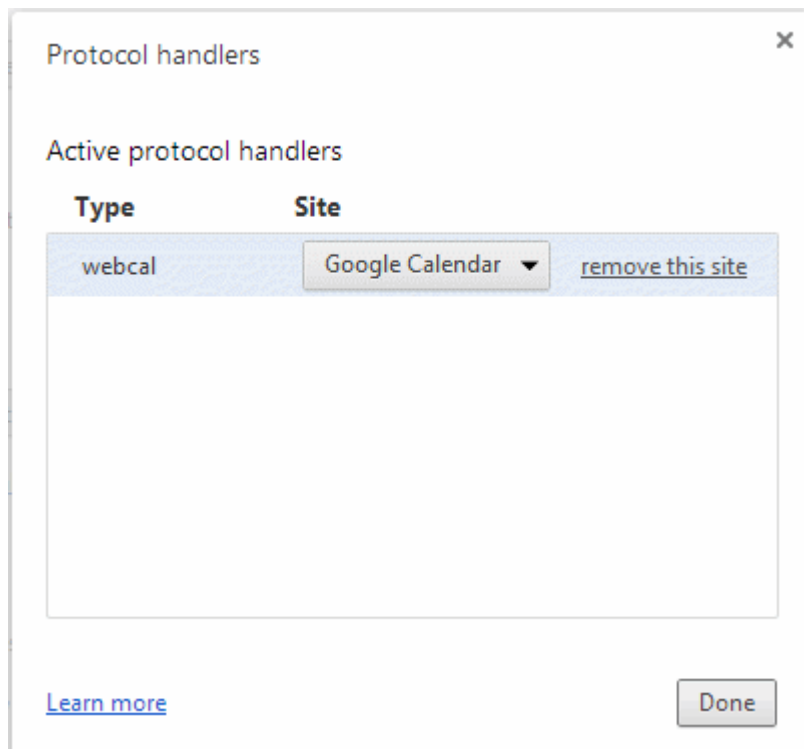


- Select 'Allow sites to ask to become default handlers for protocols' if you want Dragon to allow the web services to display prompts for protocol handler requests.
- Select the 'Do not allow any site to handle protocols' to disable prompts for protocol handlers requests.



- Click the 'Manage handlers...!' button, if you have multiple handlers for the same protocol.

To remove a site, select the handler you would like to remove, then hang over the cursor and click the 'remove this site' link.




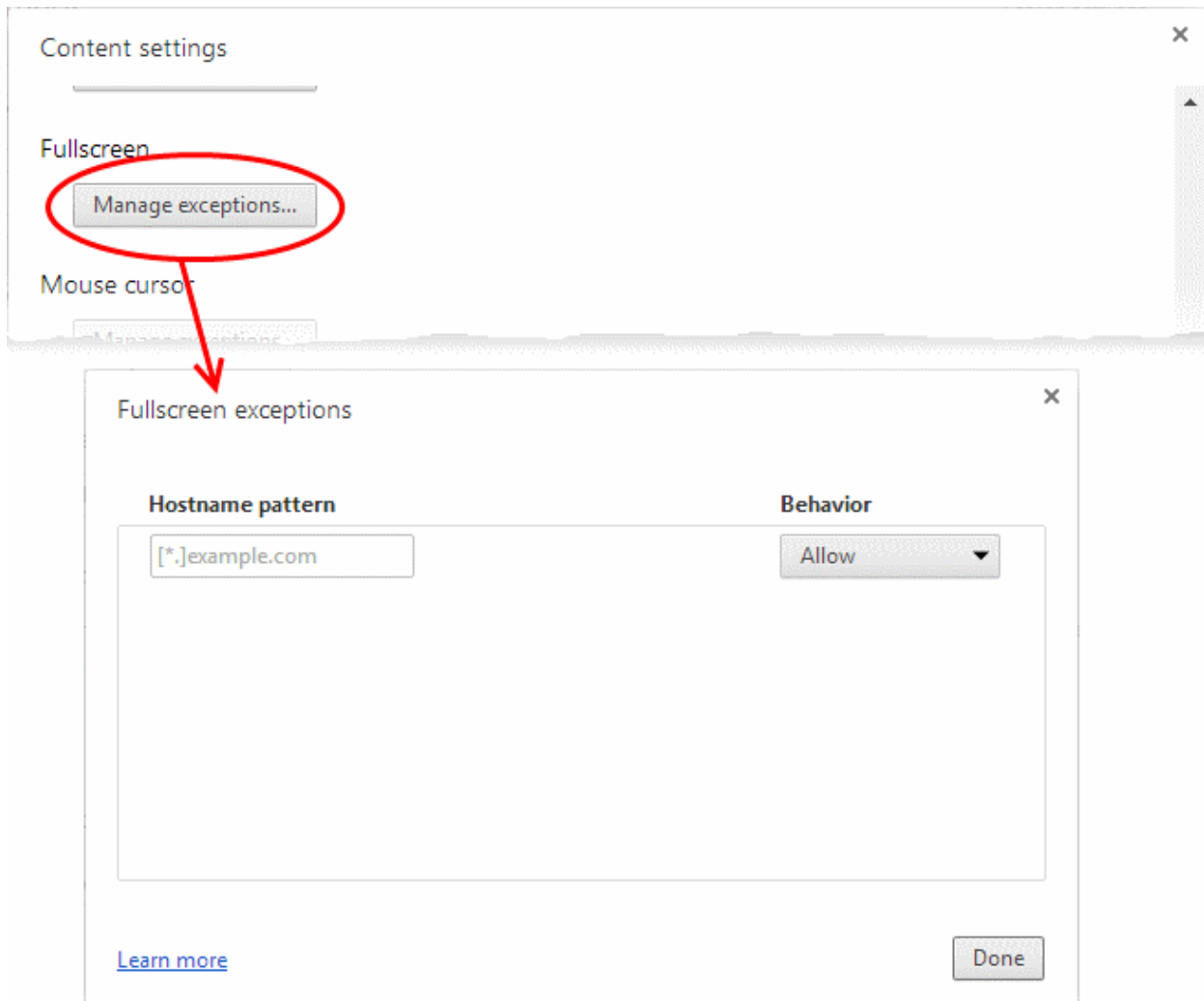
## 9.23. Configuring Fullscreen mode and Mouse Cursor Lock Usage

### Fullscreen exceptions

By default, the Java fullscreen API is enabled for all websites to allow web applications to toggle Comodo Dragon between full screen mode and normal mode, by pressing F11 or clicking the menu icon at the top right and choosing Full Screen Mode from the 'Zoom' stripe. This is especially useful for media such as games, video and other kinds of content where full screen interaction is desirable.

Comodo Dragon allows you to specify full screen exceptions. You can create a list of websites to which full screen mode should be restricted.

- Click the menu  located at the top-right and select 'Settings'
- Scroll down the 'Settings' page and click the 'Show advanced settings' link.
- Click the 'Content settings' in the 'Privacy' section.
- Scroll down to the 'Fullscreen' in the 'Content settings' dialog
- Click the 'Manage exceptions...'



- To add a restriction for a website, enter the domain name in the "Hostname pattern" field. You can also enter an IP address, an IPv6 address, or a non-http URL.

**Tip:** To create exceptions for all sub-domains of a website, add '\*' before the domain name. For example, entering


\*.comodo.com, will create restrictions for all sub-domains like help.comodo.com, enterprise.comodo.com and so on.

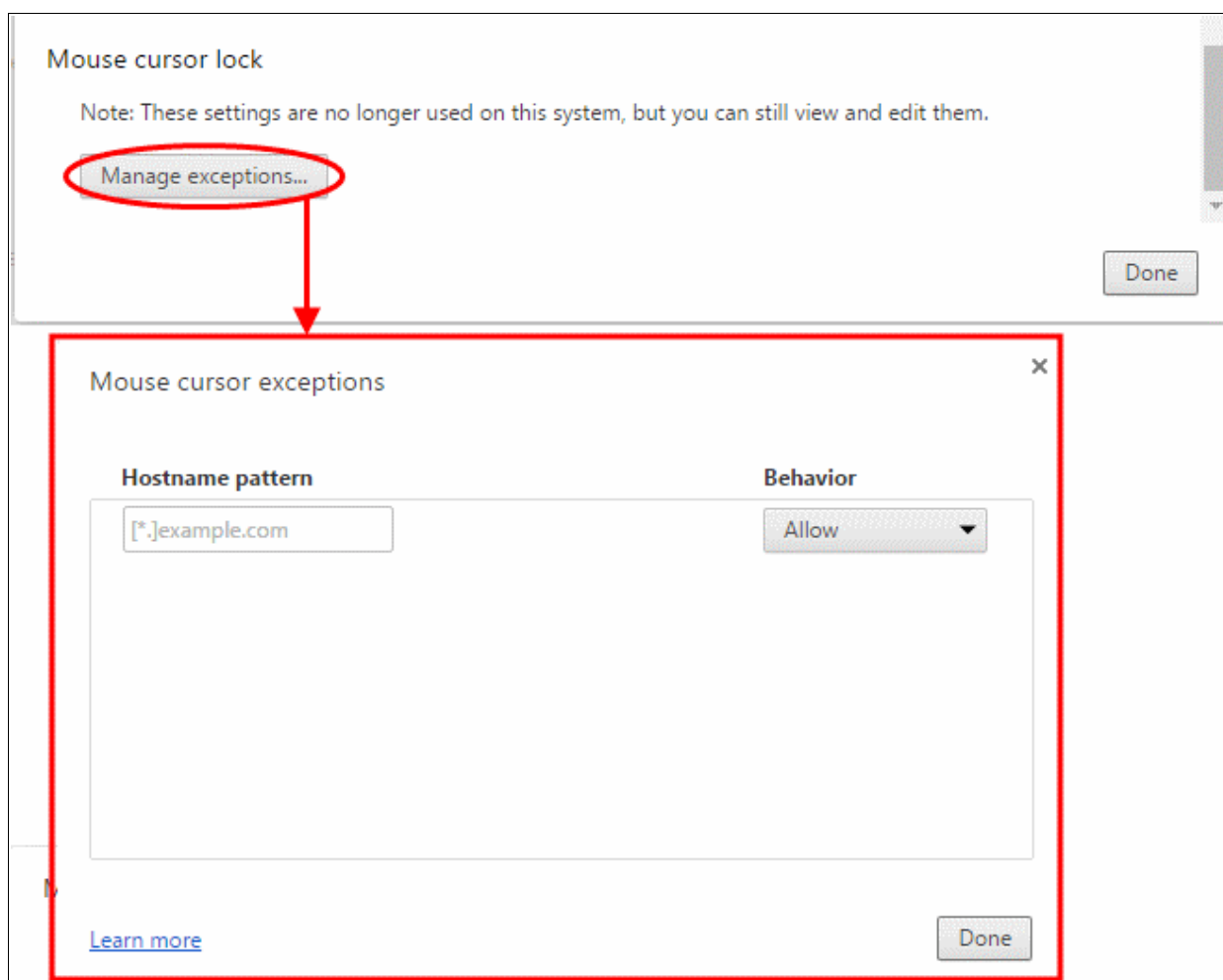
- Use the dropdown menu under 'Behavior' to choose whether or not to allow fullscreen mode. The options available are 'Allow' and 'Block'.
- Repeat the process to add more websites.
- To remove a website from the list, click 'X' that appears on the right end of the domain name on selecting it.
- Click 'Done' for your settings to take effect .

## Mouse Cursor Lock

Some websites may require your mouse cursor to be disabled for some purposes. By default, the webpage would ask your permission every time it tries to do this. You can choose to 'Allow', 'Deny', 'Always Allow' and 'Never Allow' from the dialog displayed by the webpage.

Comodo Dragon allows you to create a list of selected websites and individually specify 'Allow' or 'Block' options to be set permanently for them.

- Click the menu  located at the top-right and select 'Settings'
- Scroll down the 'Settings' page and click the 'Show advanced settings' link.
- Click the 'Content settings' in the 'Privacy' section.
- Scroll down to the 'Mouse cursor' in the 'Content settings' dialog
- Click the 'Manage exceptions...' to specify websites.



- To add a restriction for a website, enter the domain name in the "Hostname pattern" field. You can also enter an IP address, an IPv6 address, or a non-http URL.

**Tip:** To create exceptions for all sub-domains of a website, add '\*' before the domain name. For example, entering \*.comodo.com, will create restrictions for all sub-domains like help.comodo.com, enterprise.comodo.com and so on.

- Use the dropdown menu under 'Behavior' to choose whether or not to allow mouse cursor. The options available are 'Allow' and 'Block'.
- Repeat the process to add more websites.
- To remove a website from the list, click 'X' that appears on the right end of the domain name on selecting it.
- Click 'Done' for your settings to take effect .

## 9.24. Using the Address Bar (Omnibox)

The address bar (omnibox) in Comodo Dragon also serves as a search bar, allowing you to enter web addresses as well as use it as a search field. On entering a search term, Dragon uses the default search engine and displays the search results. Refer to the section '[Managing Your Search Engines](#)' for more details.




### Search for web pages and visit web sites

- Type your search term in the address bar.
- Press 'Enter' to see the results from your default search engine
- To visit a site, type its address into the omnibox then press 'Enter'.

### Search for applications, bookmarks, browsing history and related items

Comodo Dragon automatically shows you predictions of your search term to choose from, when you start typing the term, using matches from your apps, bookmarks, and browsing history, relieving you from fully typing the search term/web address. If enabled, Comodo Dragon can also uses prediction service from web to show you related search terms and websites.

The omnibox contains the following items:

-  - Allows you to bookmark the currently displayed page. If this icon is yellow it means the page is already bookmarked. [Click here](#) to learn more about managing bookmarks.
-  - The search icon appears next to searches, including related searches if you have the prediction service turned on.
-  - The site information icon on the left of address bar indicates the SSL certificate status of the website. Refer to the section '[Website Security Indicators](#)' for more details.

### View alerts for the page you are on

The icons in the address bar indicates various types of alerts for a page. Click the following to know more about them:

- [Security alerts](#)
- [Pop-up alerts](#)
- [Extension alerts](#)

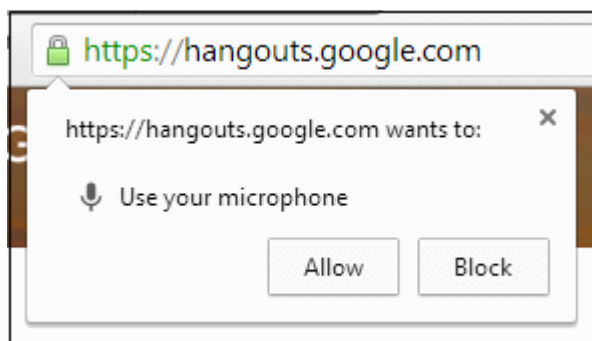
Click here to learn how to [search within page content](#).

## 9.25. Configuring Media Settings

Comodo Dragon allows you to configure settings for microphones and cameras so you have better control over




which websites and applications are allowed to use them. Sites such as Google Hangouts and Skype require the use of these devices if you are placing a video call. Dragon alerts you whenever a website asks to use your microphone and camera.

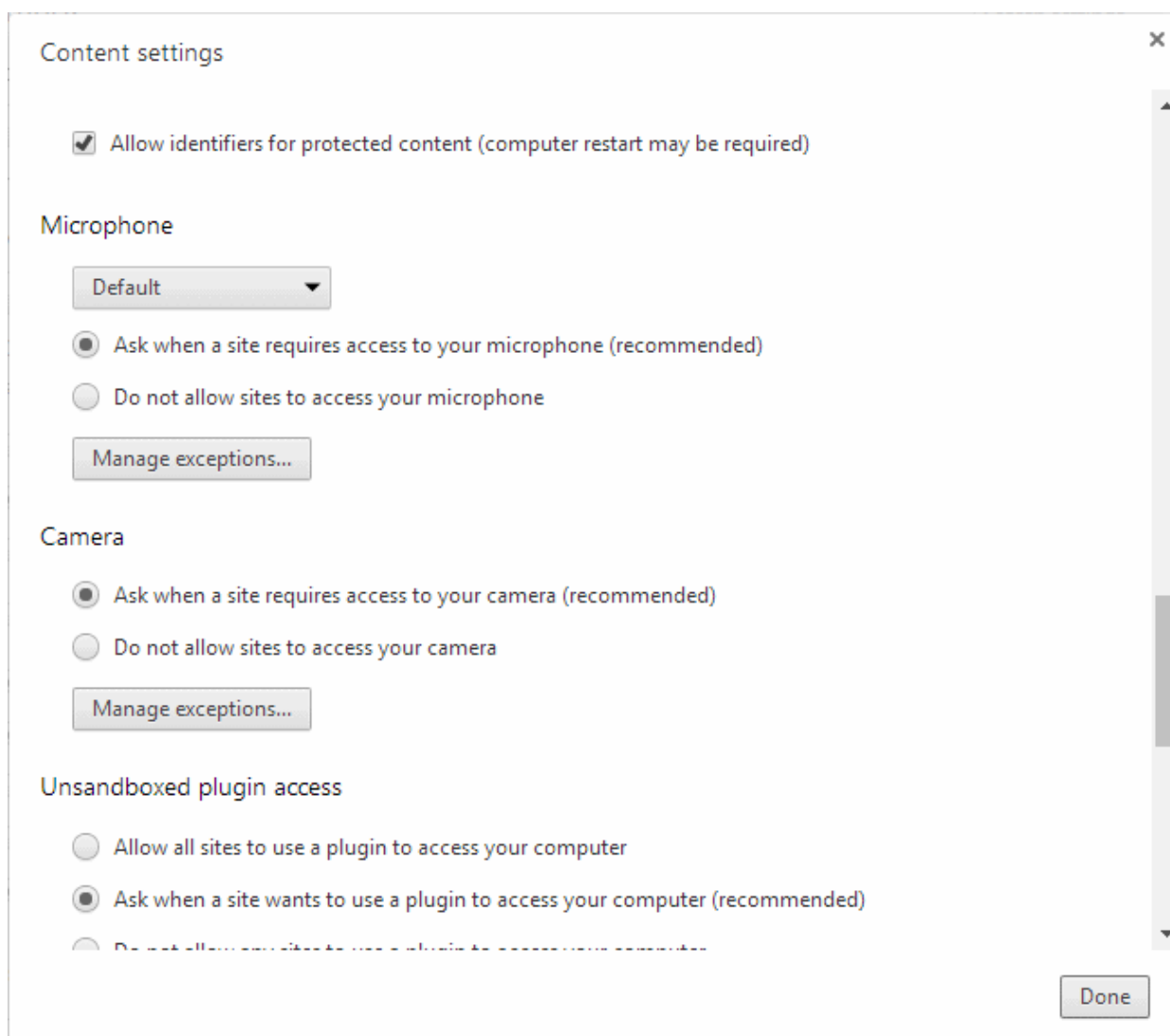


- **Allow** - Provides permission to the site to use your camera or microphone
- **Block** - Prevents the website from using your camera or microphone

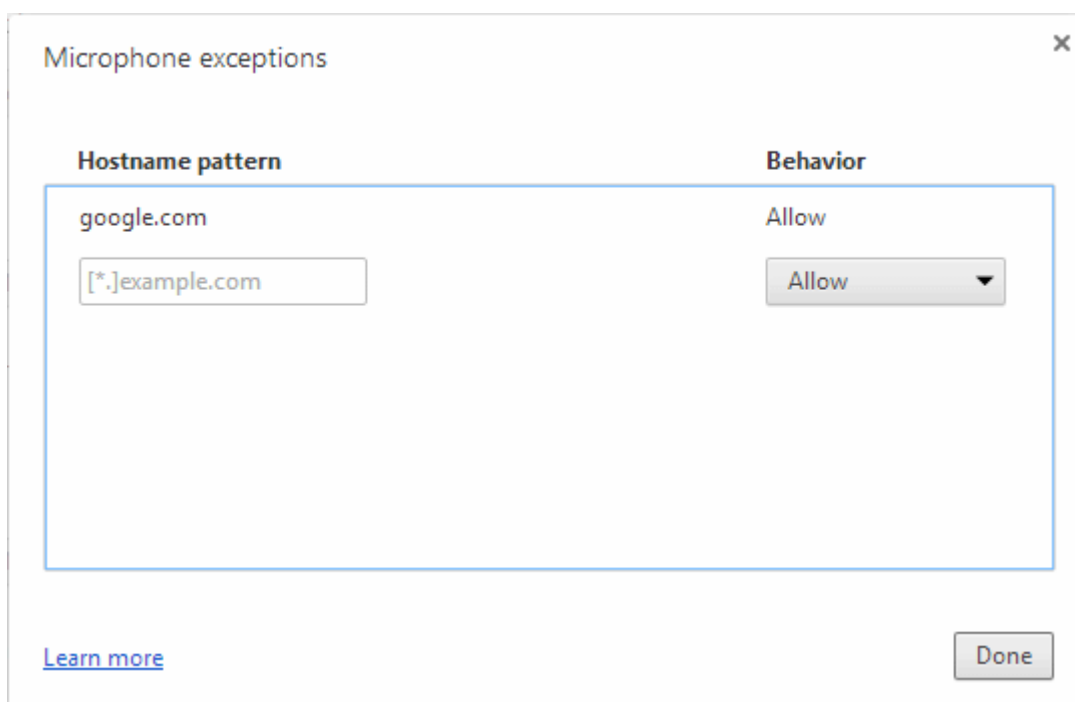
Your preference for the site will be stored and you can manage the permissions from the 'Manage Exceptions' dialog.

### To configure camera and microphone settings

- Click the Comodo Dragon menu  located at the top-right and select 'Settings'
- Scroll down the 'Settings' page and click the 'Show advanced settings' link.
- Click the 'Content settings' in the 'Privacy' section.
- Scroll down to 'Microphone/Camera' in the 'Content settings' dialog
- Click the 'Manage exceptions...' to specify websites.



- **Ask me when a site requires access to your microphone / camera (recommended)** - Dragon alerts you whenever a site requests access to your camera / microphone.
- **Do not allow sites to access your microphone / camera** - Dragon automatically denies any site (websites you have already visited and those you haven't yet visited) requests to access your camera / microphone.



- To add a restriction for a website, enter the domain name under the "Hostname pattern" field. You can also enter an IP address, an IPv6 address, or a non-http URL.


**Tip:** To create exceptions for all sub-domains of a website, add '\*' before the domain name. For example, entering \*.comodo.com, will create restrictions for all sub-domains like help.comodo.com, enterprise.comodo.com and so on.

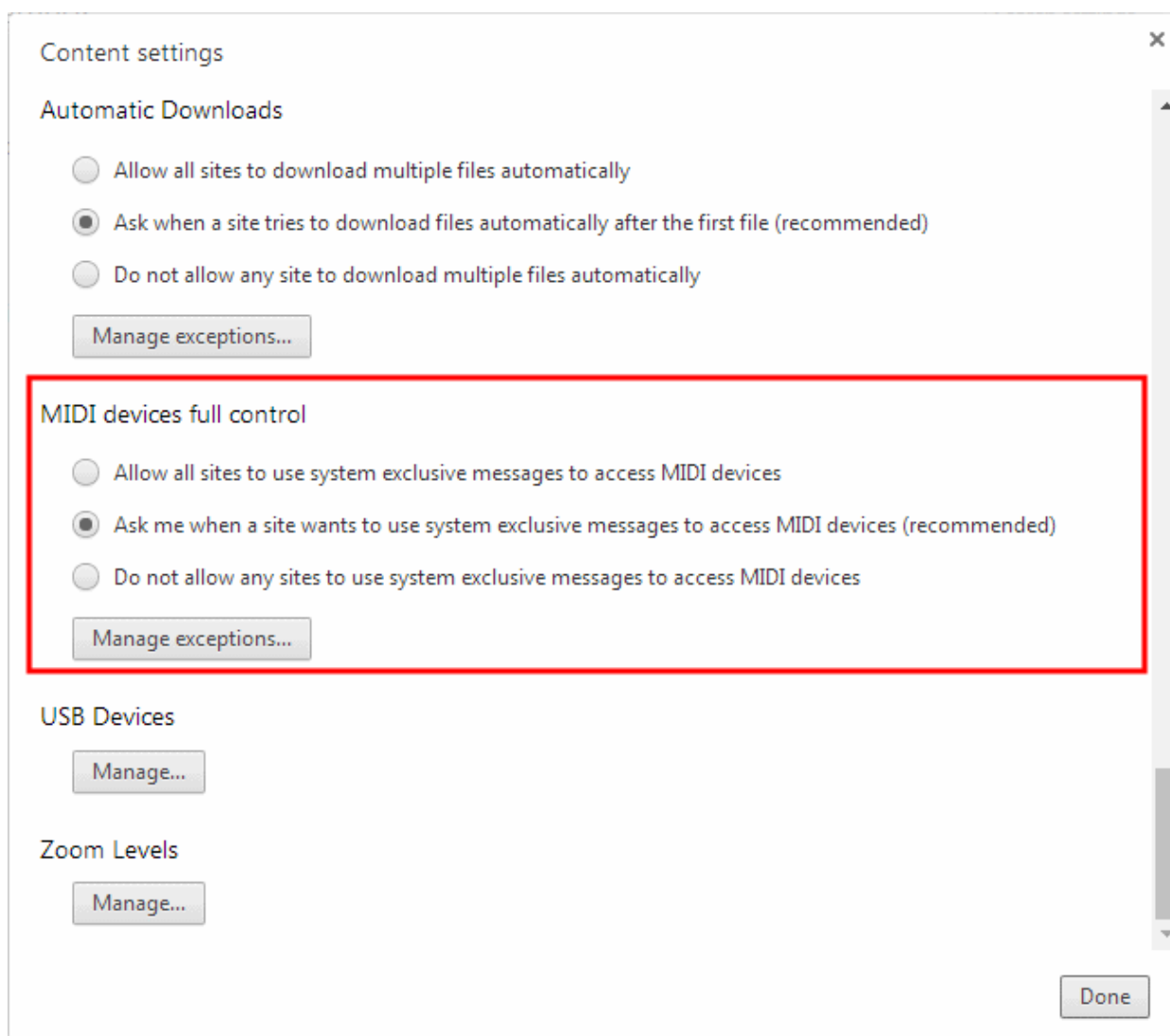
- Use the drop-down menu under 'Behavior' to choose whether or not to allow microphone/camera mode. The options available are 'Allow' and 'Block'.
- Repeat the process to add more websites.
- To remove a website from the list, click 'X' that appears on the right end of the domain name on selecting it.
- Click 'Done' for your settings to take effect .

## 9.26. Configuring Access to MIDI Devices

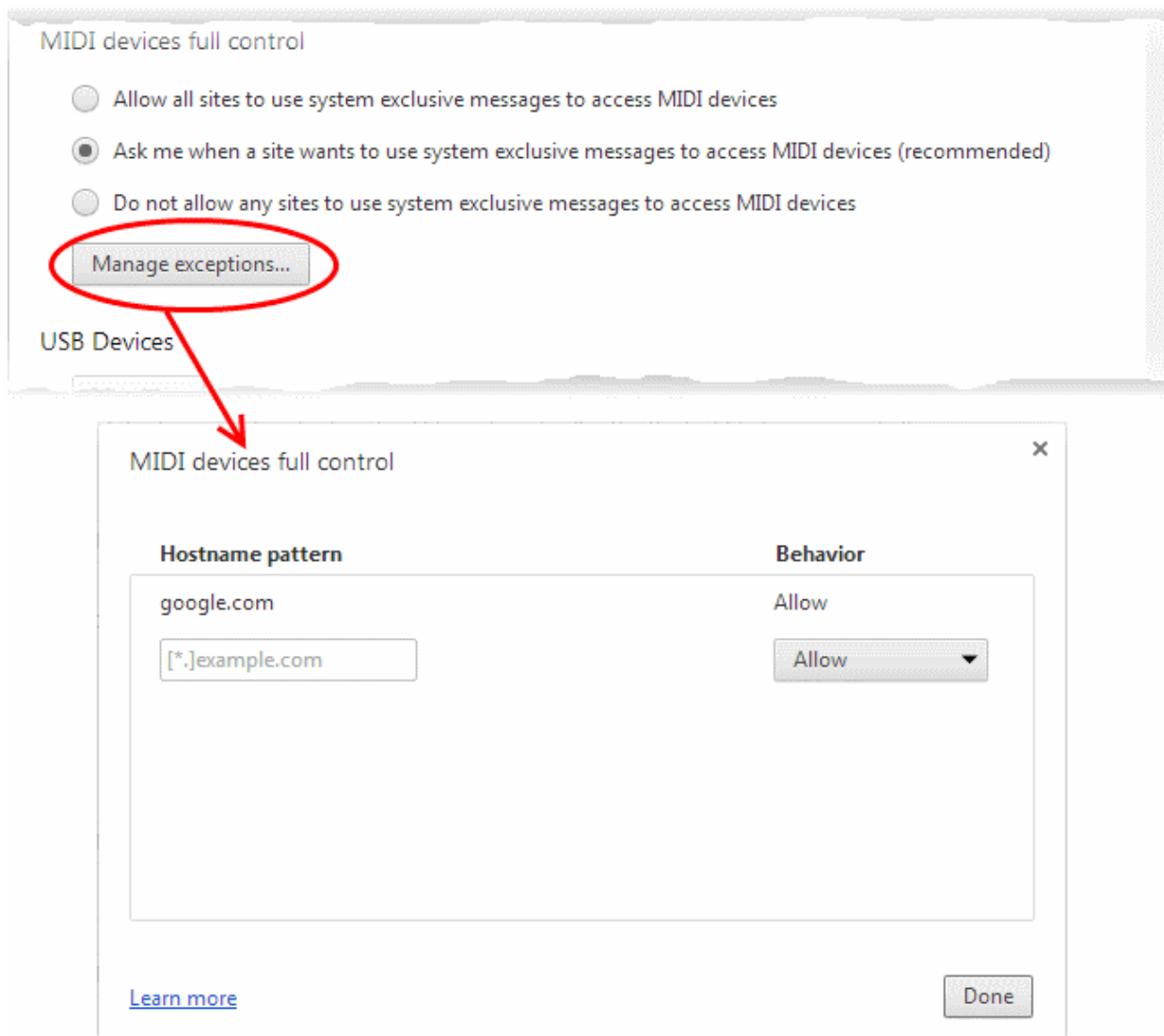
Websites for music creation and editing, access your MIDI (Musical Instrument Digital Interface) devices for transfer of data by exchanging System Exclusive (SysEx) messages. Comodo Dragon is 'MIDI enabled' by default allowing you to use your MIDI devices with MIDI specific websites. You can configure Dragon to globally accept or deny requests from websites to access MIDI devices. You can also create exceptions which will allow or deny access on a per-website basis.

### To configure access to MIDI Devices

- Click the Comodo Dragon menu  located at the top-right and select 'Settings'
- Scroll down the 'Settings' page and click the 'Show advanced settings' link.
- Click the 'Content settings' in the 'Privacy' section.
- Scroll down to 'MIDI devices full control' in the 'Content settings' dialog




- Choose the global access restriction setting for MIDI devices
  - **Allow all sites to use system exclusive messages to access MIDI devices** - Allows Dragon to pass 'SysEx' between the website and the MIDI devices
  - **Ask me when a site wants to use system exclusive messages to access MIDI devices** - Displays a pop-up, enabling you to allow or block the MIDI device access request from the website
  - **Do not allow any sites to use system exclusive messages to access MIDI devices** - Blocks the websites from accessing the MIDI devices
- To add list of websites as exceptions to the global settings and configure access to them individually, click the 'Manage' button

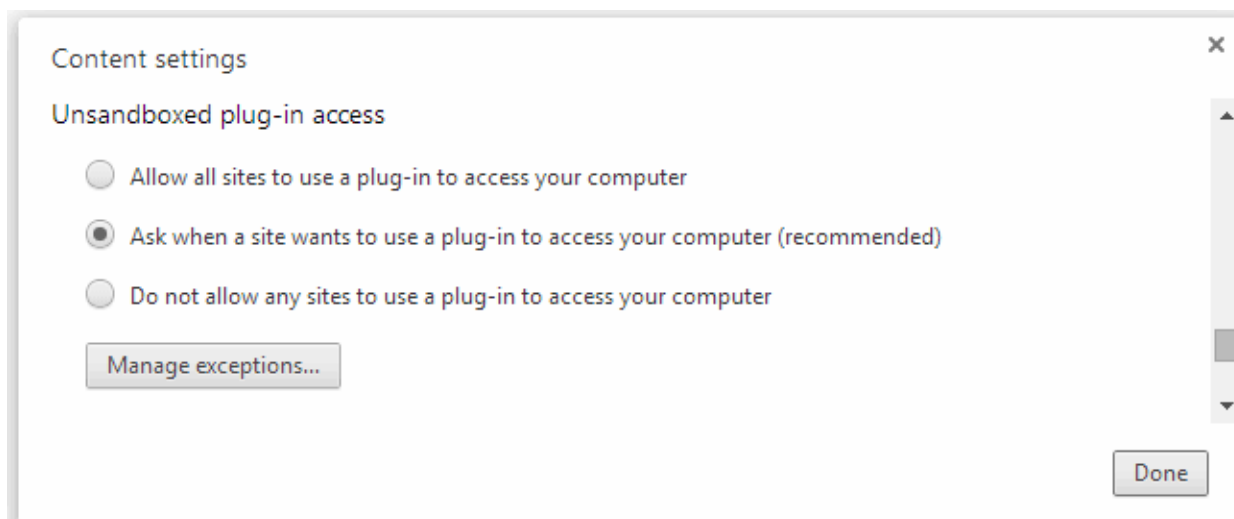


- To add an exception, enter the domain name under the "Hostname pattern" field.
- Use the drop-down menu under 'Behavior' to choose whether or not to allow access to MIDI devices.
- Repeat the process to add more websites.
- To remove a website from the list, click 'X' that appears on the right end of the domain name on selecting it.
- Click 'Done' for your settings to take effect .

## 9.27. Configuring Unsandboxed Plug-in Access Settings

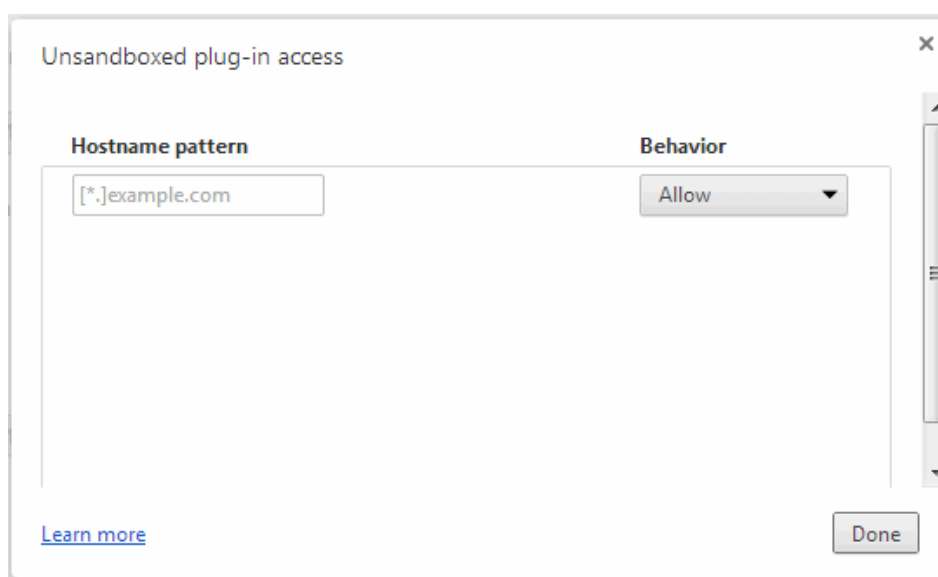
Some websites require plug-ins to have direct, unsandboxed, access, to your computers resources. For example, they may need to install additional software on your computer. Such files might contain harmful and malicious software that could be harmful to your computer. Comodo Dragon can be configured to protect your computer by blocking unsandboxed plug-ins from automatically accessing files on your computer.

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu and then click 'Show advanced settings' link.
- Click 'Content settings' in the Privacy section.
- Scroll down to 'Unsandboxed plug-in access' section.



- **Allow all sites to use a plug-in to access my computer** (not recommended) - Allows all unsandboxed plug-ins automatically access your computer.
- **Ask me when a site wants to use a plug-in to access my computer (recommended)** - Asks you for permission whenever an unsandboxed plug-in requests access to your computer.
- **Do not allow any sites to use a plug-in to access my computer** - Automatically prevents any unsandboxed plug-in requests to access your computer.

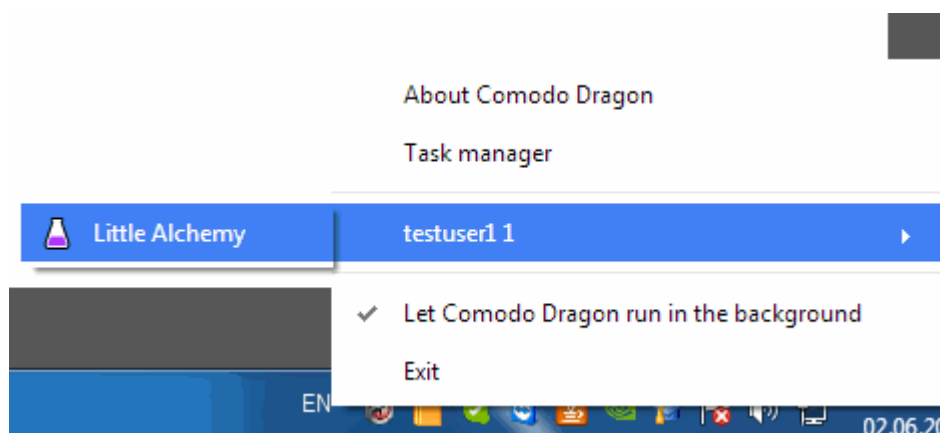
To allow or deny specific sites to use plug-in access, click 'Manage exceptions' button.



You can edit permissions for previously granted or denied permission for specific sites. You can also add or remove websites from the list.


## 9.28. Run Dragon Browser in the Background and Accelerate Performance

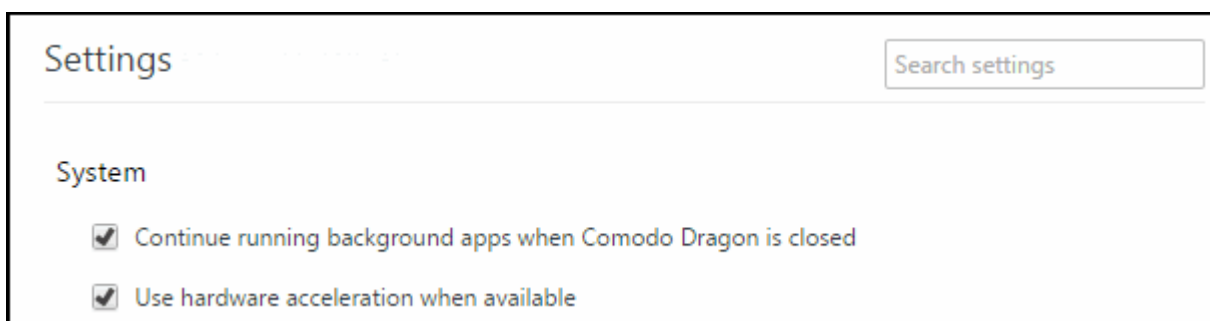
Some extensions and apps continue to run after you have closed Comodo Dragon so they can continue to deliver their services to you. For example, an app that checks your mail might continue to run so that it can inform you of new messages. A list of still-running apps will appear on your desktop system tray if this is the case.



Comodo Dragon is also capable of using hardware acceleration to improve video playback on, for example, YouTube and 3D Earth view in Google maps.

### To modify background apps and/or hardware acceleration

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu and then click 'Show advanced settings' link.
- Scroll down to the 'System' section



- Select 'Continue running background apps when Comodo Dragon is closed' to keep browser processes running in the background.
- Select 'Use hardware acceleration when available (requires Dragon restart)' to deliver hardware-accelerated 3D graphics without installing additional software.

## 9.29. Using Media Downloader to Download Streaming Media

### FAQ

1. [What is Media Downloader?](#)
2. [How do I get Media Downloader?](#)
3. [How do I use Media Downloader?](#)
4. [What is the default download directory?](#)
5. [Which websites can I download video from?](#)
6. [Which audio and video formats can I download?](#)
7. [What resolutions can I download video in?](#)
8. [Can Media Downloader convert streaming files to .avi?](#)

9. **Can I download embedded YouTube videos?**
10. **Can I download only the audio from a video?**
11. **How do I disable or remove Media Downloader?**
12. **Windows Media Player won't play the videos I downloaded. Do you know of any good, free media players?**
13. **If a page has multiple videos, can I download them all at once?**

## 1. What is Media Downloader?

Media Downloader is a free and unique extension built into Comodo Dragon that allows you to quickly download streaming video or audio files from websites like YouTube.

## 2. How do I get Media Downloader?

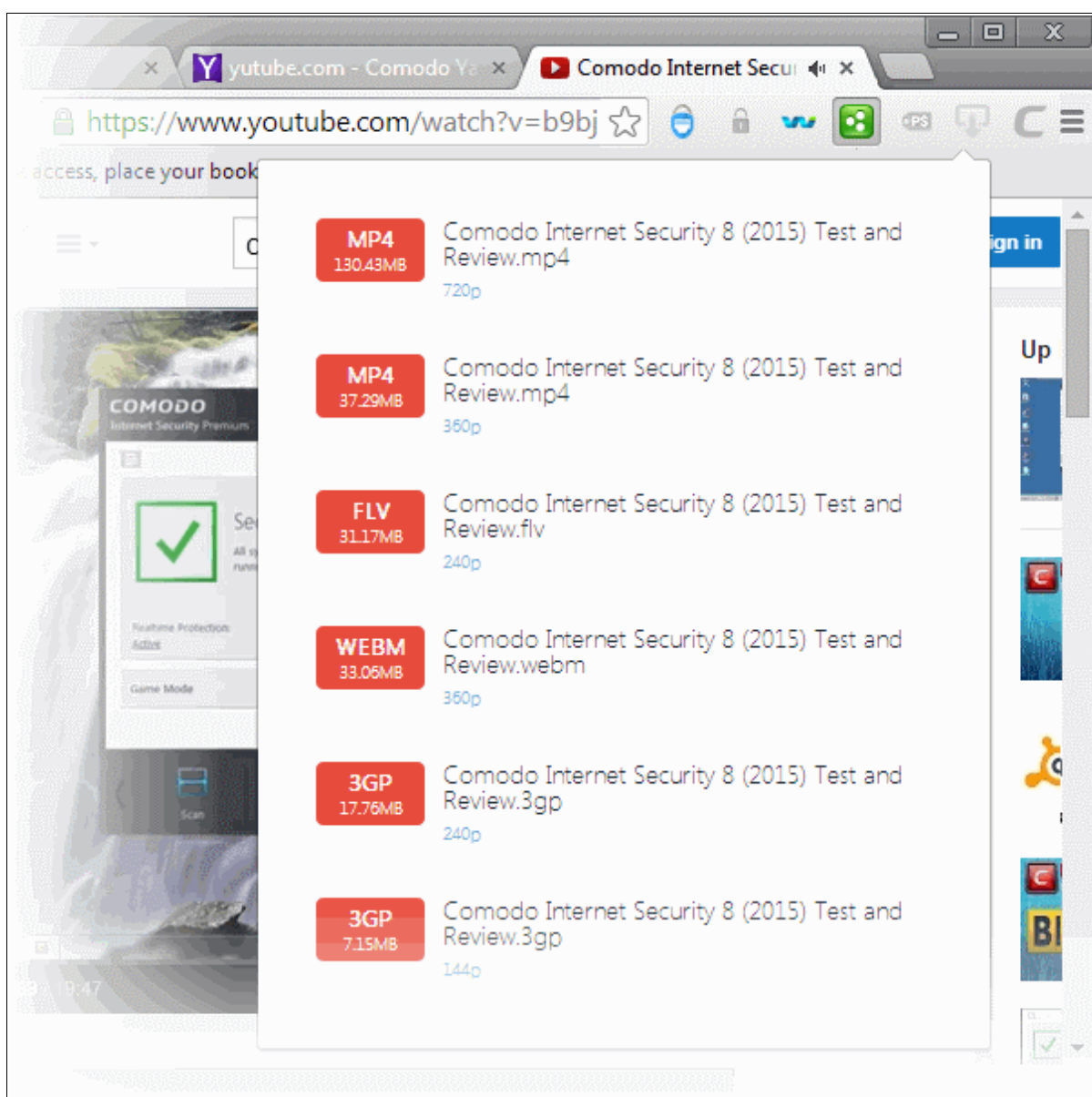
Media Downloader is available as part of Comodo Dragon internet browser, which is available from <http://browser.comodo.com/>

## 3. How do I use Media Downloader?

- Visit a website which features streaming videos. For example, [www.youtube.com](http://www.youtube.com)
- Start playing any video on the page and the Media Downloader button at the top-right should become active:

Click the Media Downloader button and a menu will appear which lists the videos detected on the current page. Select the video you want to begin the download.






#### 4. What is the default download directory?

Media Downloader will download files to your default Dragon download directory. By default this is:

C:\Users\

To view or change the download directory in Dragon:

- Click the 'Dragon' menu  located at the top-right corner
- Select 'Settings' then click 'Show advanced settings...'
- Scroll down to the 'Downloads' section to view and modify your default download folder

If you have not set a download directory in Dragon, then Media Downloader will ask you to choose a save location at the point of download.

#### 5. Which websites can I download video from?

While it is not possible to create an exhaustive list, Media Downloader will allow you to download from most sites that include streaming video or audio. If you are unsure, the best way is just to test it out. Visit a website, play the video/audio and see if the Media Downloader icon becomes active.

Here is a list of popular sites from which you can download:

- <http://www.youtube.com>
- <http://www.dailymotion.com>
- <http://www.veoh.com/>
- <http://www.twitch.tv/>
- <http://www.metacafe.com/>
- <http://www.comodo.tv>
- <http://www.fisher-price.com>
- <http://techcrunch.com>
- <http://www.englishcentral.com>
- <http://globalnews.ca/national/videos/>
- <http://www.crosswalk.com/video/>
- <http://www.reuters.com/>
- <http://monkeysee.com/>
- <http://www.purevolume.com/>
- <http://gaana.com/>
- <http://www.sesamestreet.org/home>
- <http://globalnews.ca/national/videos/>
- <http://www.thirteen.org/>

## 6. Which audio and video formats can I download?

Media Downloader can download files in the following formats:

flv, mpeg, mp3, ogg, mp4, webm, m4v

The exact formats that will be presented for a particular video or audio file will vary from site to site.

## 7. What resolutions can I download video in?

Media Downloader will allow you to download in every resolution and file format that the original video was made available. The number of choices you see will vary from video to video.

## 8. Can Media Downloader convert streaming files to .avi?

Not right now. Media Downloader is a download only tool at this point.

## 9. Can I download embedded YouTube videos?

A: Not directly, but you can usually download by obtaining the original YouTube URL.

To do this:

- Visit a site containing embedded YouTube videos. For example, [www.comodo.tv](http://www.comodo.tv)
- Right-click on the video, select 'Copy Video URL'
- Paste the URL into your browser address bar.
- The Media Downloader icon should become active, allowing you to download




## 10. Can I download only the audio from a video?

Not at the moment. We are looking into adding this functionality.

## 11. How do I disable or remove Media Downloader?

Media Downloader can be disabled or removed in the Dragon 'Extensions' page.

To do this, first open the 'Extensions' page:

- Click the round 'Dragon' menu  located at the top-right browser interface:
- Select 'Settings' then 'Extensions'

OR

- Enter 'chrome://extensions' in the address-bar

THEN

- To disable an extension, uncheck the 'Enabled' checkbox besides it.

OR

- To remove an extension, click the trashcan on the right side

## 12. Windows Media Player won't play the videos I downloaded. Do you know of any good, free media players?

You can try one of the following:

VLC Media Player - <http://www.videolan.org/>

Media Player Classic - <http://mpc-hc.org/>


## 13. If a page has multiple videos, can I download them all at once?

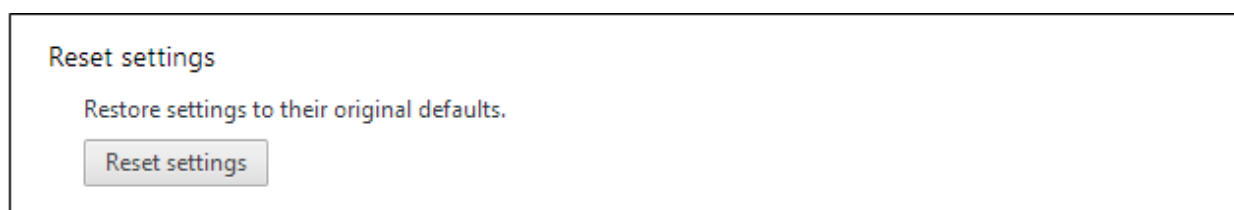
Not yet, though we are thinking of adding this feature. Right now, Media Downloader can grab the individual video that is currently playing (or is paused).

## 9.30. Reset Browser Settings

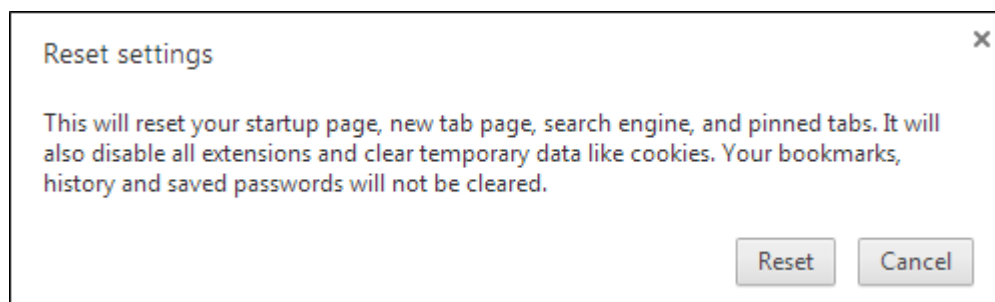
Dragon allows you to reset all browser settings back to the 'factory' default settings. This can be useful should the browser become unstable or experience other issues because it clears out all extensions, temporary data and other modified settings.

### To reset your browser settings

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu and then click 'Show advanced settings' link.
- Scroll down to the 'Reset settings' section.



- Click the 'Reset settings' button
- A pop-up dialog will describe which features will be reset and allow you to proceed or cancel the action:



- Click 'Reset' to apply the change.

**Tip:** Your saved bookmarks, password and history will not be cleared.

The following settings will be reset:

- Home page will be hidden
- Startup tabs will be cleared
- New Tab page will be empty
- Pinned tabs will be unpinned
- Default and saved search engine will be cleared
- Extensions and themes will be disabled
- Cookies and site data will be cleared
- Content settings will be cleared

## 9.31. Cloud Print Settings


The cloud print feature allows you to print documents from anywhere. You can make your printers available to you from multiple devices such as your phone, tablet, PC.

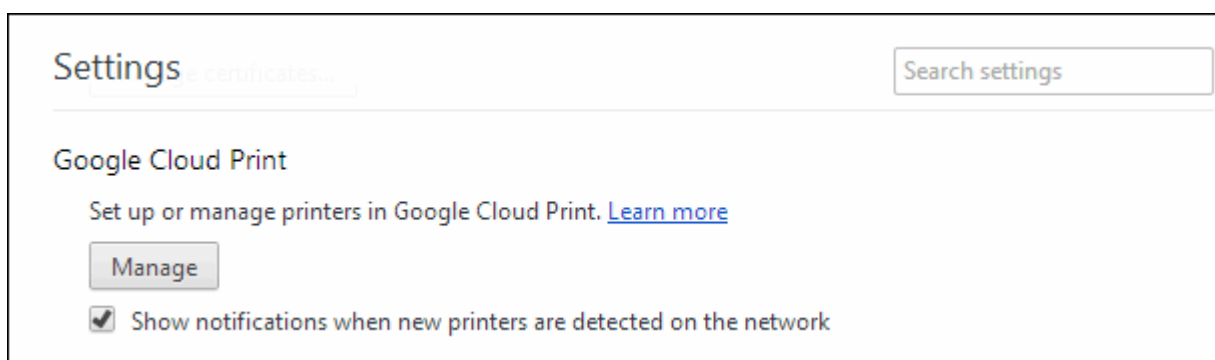
Cloud Print lets you:

- Print from anywhere
- Manage your printer
- Share print access with your friends

**Note:** Make sure you connect your printer to the service before starting cloud printing.

### To configure Google Cloud Print settings

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu and then click 'Show advanced settings'.
- Scroll down to the 'Google Cloud Print' section
- 



- Click 'Manage'.
- If you have not signed in to Comodo Dragon with your Google Account, click the 'sign in' link under 'My devices'.
- The list of available devices that are already registered with Google Cloud Print will be displayed including any new devices that are available on the network.
- Choose the printers that you want to connect and then click 'Add printers'.

The selected printer is now connected to Google Cloud Print via your Google Account. You can print to this cloud printer from anywhere when signed in.

- **Show notifications when new printers are detected on the network** - If enabled, an alert will be displayed when a new printer is detected that can be added to Google Cloud Print.


You can share your printer with your friends who also can print after signing in to their Google Accounts.

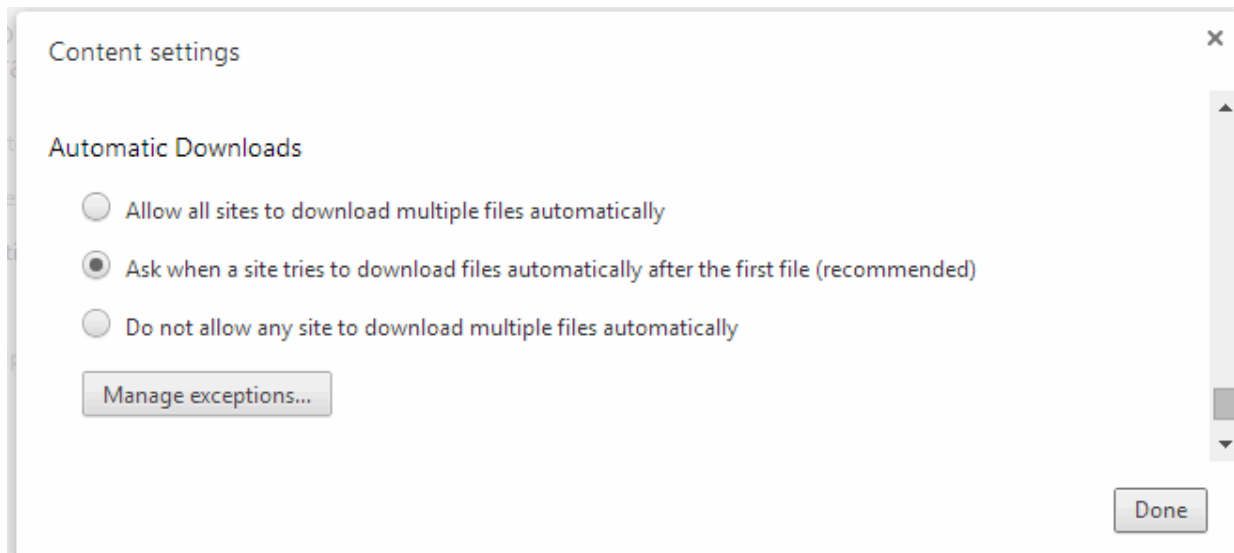
Select a printer you want to share from the list of printers and click 'Share'. Your friends will receive a notification.

## 9.32. Set Automatic Downloads on Dragon

Automatic download settings tell Comodo Dragon whether and how it should handle data downloaded from websites that you visit.

## To configure automatic downloads

- Click the menu  button located at the top-right corner.
- Select 'Settings' then click 'Show advanced settings'
- Click 'Content settings' in the 'Privacy' section and scroll down to the 'Automatic Downloads' section.



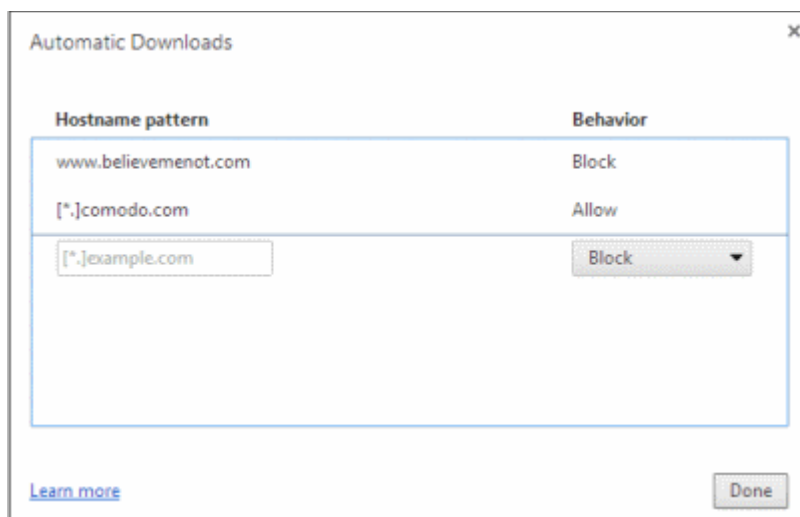
- **Allow all sites to download multiple files automatically** - No restriction. Dragon allows automatic download of multiples files from all websites.
- **Ask when a site tries to download files automatically after the first file (recommended)** - An alert will be shown when a website tries to automatically download multiple files. The first file will be allowed to be downloaded without any alert.
- **Do not allow any site to download multiple files automatically** - Dragon will not allow websites automatic download of multiple files.

## Adding Exceptions

Comodo dragon allows you to control automatic downloads for some specified domains or websites.

- Click 'Manage exceptions' button.

The 'Automatic Downloads' dialog will be displayed.




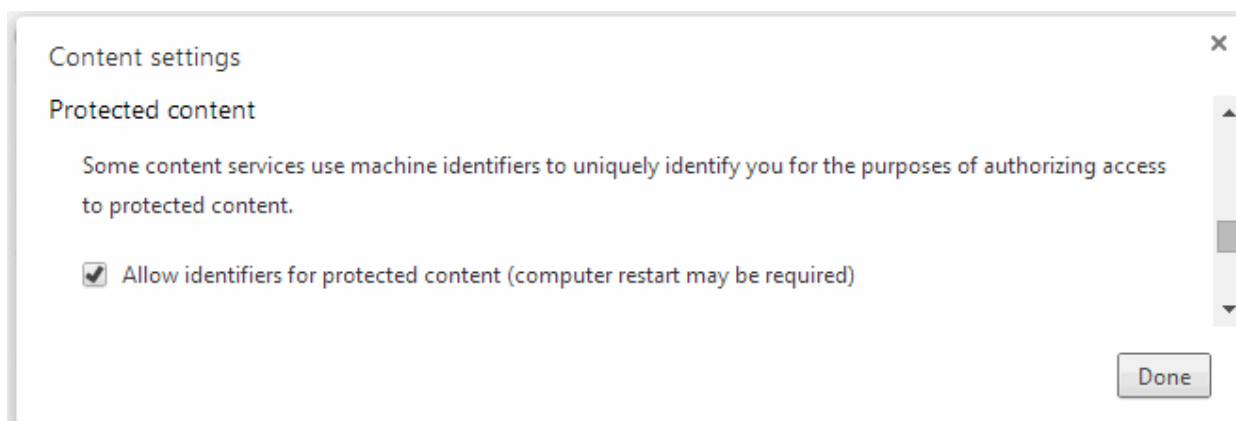
- Enter the domain name in the text box below 'Hostname Pattern' column to create an exception. Insert [\*.] before the domain name to create exception for the entire domain. For example, [\*.] comodo.com. Non-http url, IP address and IPv6 address can also be entered.
- In the 'Behavior' drop-down box, select either 'Allow' or 'Block'.
- Click 'Done'.

## 9.33. Protected Content

Some downloaded or streaming videos require authorization in order to preserve copyright restrictions (for example, Netflix). The 'Protected Content' area allows you to configure settings which allow these services to identify you.

**Note:** This feature is available ONLY for Android devices

- Click the Comodo Dragon menu  located at the top-right corner
- Select 'Settings' then click 'Show advanced settings'
- Click 'Content settings' in the 'Privacy' section
- Scroll down to 'Protected Content'



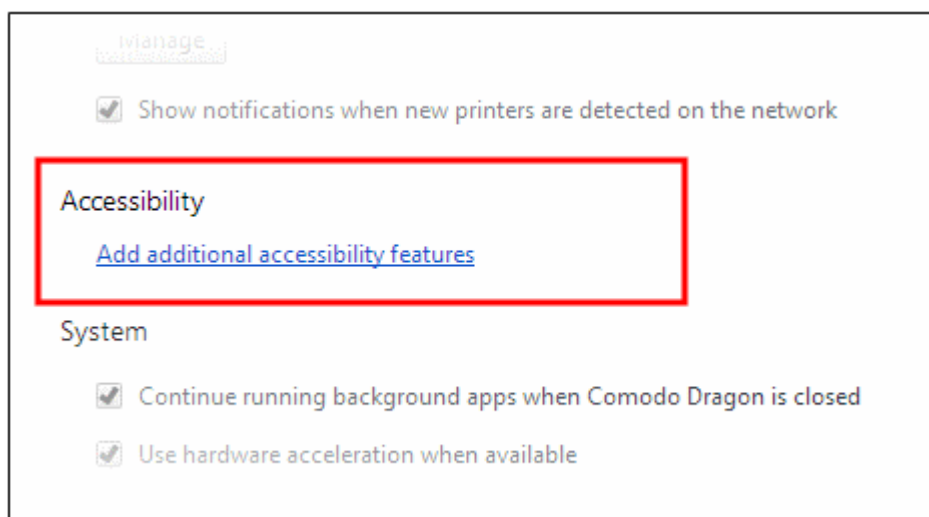
- Uncheck 'Allow identifiers for protected content (computer restart may be required)' to disable access. Please note, this may prevent you from watching some protected content.

## 9.34. How to Add Accessibility Features to Dragon

You can add extensions to improve your Dragon experience, such as customizable color filter, caret browsing and more.

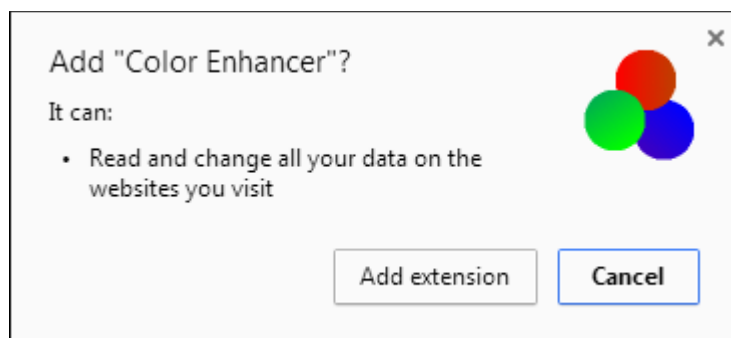
To add additional accessibility,

- Click the menu button located at the top-right corner
- Select 'Settings' then click the 'Show Advanced Settings' link at the bottom of the page.
- Scroll down to 'Accessibility'



- Clicking the 'Add additional accessibility' link will open all available accessibility extensions for Dragon at the Chrome web store.

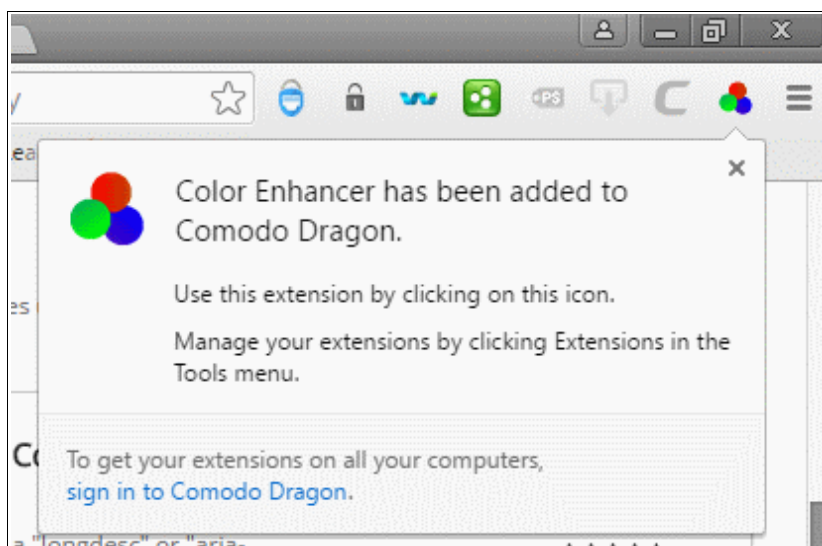
An alert will be displayed while adding an extension.



- Click 'Add extension'

A confirmation dialog will be displayed.





Refer to the section '[Managing Extensions and Plug-ins](#)' for more details about managing extensions.

## 10. Troubleshooting

This section explains how to resolve problems that might arise when you are using Comodo Dragon. Click the following links to know more:

- [Errors and crashes in Comodo Dragon](#)
  - [Unable to find a previously installed extension or app](#)
  - ['He's dead, Jim!' message](#)
  - [Comodo Dragon no longer works or closes after several seconds](#)
  - [Comodo Dragon won't open at all](#)
  - [Update plug-ins](#)
  - [The following plug-in has crashed](#)
- [Display Problems in Comodo Dragon](#)
  - [Web-Pages load slowly or fail to Load](#)
  - [Video is no longer available](#)
  - [This web-page is not available](#)
  - [Error 124 \(net\\_ERR\\_WINSOCK\\_UNEXPECTED\\_WRITTEN\\_BYTES\)](#)
  - [Error 128 \(net\\_ERR\\_SSL\\_UNSAFE\\_NEGOTIATION\)](#)
  - [Error 129 \(net\\_ERR\\_SSL\\_WEAK\\_SERVER\\_EPHEMERAL\\_DH\\_KEY\)](#)
  - [Text not displaying properly](#)
  - [The following plug-in has crashed](#)
  - [Missing plug-ins for Windows Media Player and Java](#)
  - [EV-SSL indicator not displayed](#)
  - [Resolving proxy](#)
  - [He's dead, Jim](#)
  - [A script running on this page is taking a long time to do its job](#)
  - [Graphics not displaying properly](#)
- [Report a Bug](#)

## 10.1. Errors and Crashes in Comodo Dragon

You may find your computer screen throwing up error messages while using Comodo Dragon. Click the following links to find out more about specific errors:

- [Unable to find a previously installed extension or app](#)
- ['He's dead, Jim!' message](#)
- [Comodo Dragon no longer works or closes after several seconds](#)
- [Comodo Dragon won't open at all](#)
- [Update plug-ins](#)
- [The following plug-in has crashed](#)

### Unable to find a previously installed extension or app

This error is displayed when the browser is unable to locate an app or extension that was previously installed. The following may be one of the reasons the browser is unable to locate:

- The extension or app may have been uninstalled. Reinstall the extension or app.
- The web store that you downloaded the extension or app may have removed it for some reasons including not following their legal agreements etc.
- Dragon user profile may be corrupted. Create a new user profile.

### To create a new user profile in Comodo Dragon

- Exit Comodo Dragon if it is open.
- In the 'Start' menu click 'Run'.
- In the 'Run' dialog, enter the directory applicable to your system given the following table:.

Operating System	Enter in the 'Run' text field
Windows XP	%USERPROFILE%\Local Settings\Application Data\Comodo\Dragon\User Data
Windows 7 or Windows Vista	%USERPROFILE%\AppData\Local\Comodo\Dragon\User Data

- Click 'OK'.
- In the explorer window that opens, rename the 'Default' folder as 'Backup default'.
- Open Comodo Dragon.
- The browser automatically creates a new 'Default' folder.
- Copy and paste the backup details into the new default folder.

Please note that some of the old profile might be corrupted and may result in corrupting the new default folder also. If you want the old bookmarks, copy the file 'Bookmarks.bak' from the backup folder and paste it into the new 'Default' folder.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

### 'He's dead, Jim!' message

This message will be displayed when a web-page crashes suddenly. Just reload the page by pressing the reload

button besides the address bar. If the message is displayed for all the pages, check the following to resolve the issue:


## Firewall and antivirus applications

The firewall or antivirus application in your system may not allow Comodo Dragon to function properly. To confirm, disable firewall and antivirus application and open Dragon again. If it works, create an exception in the firewall or antivirus settings for Comodo Dragon and re-enable the firewall and antivirus applications in your system.

## Extensions

Disable your extensions one by one and open Dragon. If any one of the extension is causing the problem, uninstall it.

### To disable or uninstall an extension

- Click the menu  button located at the top-right corner.
- Select 'More tools' from the menu and choose the 'Extensions'.

The 'Extensions' page will be displayed.

- Click the 'Disable' link to disable the extension.
- Click the 'Uninstall' link to remove the extension completely from your browser.

## Malware

Use the latest version of Comodo Internet Security to scan your system for any malware and to remove it. Download Comodo Internet Security from <http://personalfirewall.comodo.com/>.

## User Profile

One of the reasons could be that your user profile may be corrupted. [Click here](#) to know the steps to create a new user profile.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## Comodo Dragon no longer works or closes after several seconds

If Comodo Dragon closes as soon as you open it and displays no error messages, one of the likely reason may be your user profile is corrupted. Create a new user profile and see if this solves the problem.

[Click here](#) to know the steps to create a new user profile.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## Comodo Dragon won't open at all

The firewall or antivirus application in your system may not allow Comodo Dragon to function properly. To confirm, disable firewall and antivirus application and open Dragon again. If it works, create an exception in the firewall or antivirus settings for Comodo Dragon and re-enable the firewall and antivirus applications in your system.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## Update plug-ins

Plug-in - a piece of software which enhances another software application, processes type of web content like Windows Media Files, Flash etc. Unfortunately, the plug-ins are not updated automatically and over a period of time get outdated as newer versions are released. The new versions of plug-ins may have better security features than

the older versions - an important reason to keep your plug-ins updated to avoid potential security vulnerability.

Comodo Dragon automatically detects plug-in that is not up-to-date with security vulnerability and alerts you with a message below the address bar that the plug-in has been blocked.


- Click 'Update plug-in' in the message to install the latest version of the plug-in.
- Click 'Run this time' in the message to run the current plug-in without upgrading though this not desirable.
- [Click here](#) to know more about managing plug-ins.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

### The following plug-in has crashed

If a plug-in used by a web-page that you are on currently closes suddenly or becomes unresponsive, the message 'The following



plug-in has crashed... ' or the  icon will be displayed at top of the web-page. Wait for the plug-in to restart or close the process manually in the 'Task manager' window. Reload the page by pressing the reload button besides the address bar.

- [Click here](#) to know how to manually close the process.
- [Click here](#) to know more about managing plug-ins.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## 10.2. Display Problems in Comodo Dragon

Comodo Dragon may throw up web-page display errors or face web-page display related issues. Click the following links to know more:

- [Web-Pages load slowly or fail to load](#)
- [Video is no longer available](#)
- [This web-page is not available](#)
- [Error 124 \(net\\_ERR\\_WINSOCK\\_UNEXPECTED\\_WRITTEN\\_BYTES\)](#)
- [Error 128 \(net\\_ERR\\_SSL\\_UNSAFE\\_NEGOTIATION\)](#)
- [Error 129 \(net\\_ERR\\_SSL\\_WEAK\\_SERVER\\_EPHEMERAL\\_DH\\_KEY\)](#)
- [Text not displaying properly](#)
- [The following plug-in has crashed](#)
- [Missing plug-ins for Windows Media Player and Java](#)
- [EV-SSL indicator not displayed](#)
- [Resolving proxy](#)
- [He's dead, Jim](#)
- [A script running on this page is taking a loooong time to do its job](#)
- [Graphics not displaying properly](#)

### Web-Pages load slowly or fail to load

There could be many reasons why the web-pages are not loading quickly in Comodo Dragon. First ascertain that the problem persists only for Comodo Dragon only. Open the pages that are loading slowly in Comodo Dragon or don't load at all in other browsers.

If the web-pages are loading slowly only in Dragon, try the following:


## Open the web-pages in an incognito window

If the web-pages are loading normally in an incognito window, then the problem may be with your browsing data or with extensions. These are disabled when you are using an incognito window. To resolve the problem:

- Disable all your extensions and enable them one by one until the web-pages load normally in Dragon standard window. [Click here](#) to know how to disable extensions.
- Delete your cookies, cache and browsing history.
- Restart Comodo Dragon after closing all the browser windows.
- Check whether the settings in antivirus and firewall applications in your system are configured to allow Comodo Dragon.

## Disable Predict network actions feature

### To disable Predict network actions

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu then click 'Show advanced settings' link.
- In the 'Privacy' section, deselect the 'Prefetch resources to load pages quickly' checkbox.

Select the feature again if the problem is not resolved. Check for the following error messages.

### 'Oops! This link appears broken'


Comodo Dragon displays this message if it is not able to find the web-page. One of the reasons could be that the web-page could be down temporarily. Check in other browsers if the web-page is opening. If it does, then Dragon may not be connecting to the Internet properly.

- Use the latest version of Comodo Internet Security to scan your system for any malware and to remove it. Download Comodo Internet Security from <http://personalfirewall.comodo.com/>.
- Delete your cookies, cache and browsing history.

### 'Resolving proxy'.

If this message appears on the lower left side of Dragon browser, it may be set to open pages via a web proxy resulting in slower loading of websites or searches. Change your proxy settings.

### To configure proxy settings

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu then click 'Show advanced settings' link.
- In the 'Network' section, click the 'Change proxy settings' button.
- In the 'Internet Properties' dialog, click the 'LAN settings' button.
- In the 'Local Area Network Settings' dialog, deselect the 'Automatically detect settings' checkbox.

Please note that changing the proxy settings will disable web proxy. If you are not sure about this settings, consult your system administrator.

### 'This web-page is not available'

Comodo Dragon displays this error message if it fails to find and open the requested web-page. Check again if you

have entered the correct URL in the address bar. Try opening the web-page in other browsers such as Opera, Chrome, Firefox or IE. If the web-page is not opening in any of the browsers, check the internet connection or the website may be down temporarily.

If the web-page is opening in other browsers but not in Dragon, click the 'More information on this error' link on the page.

- Error 2 (net::ERR\_FAILED): Unknown error
- Error 102 (net::ERR\_CONNECTION\_REFUSED): Unknown error
- Error 105 (net::ERR\_NAME\_NOT\_RESOLVED)
- Error 104 (net::ERR\_CONNECTION\_FAILED)

If the page displays any of the above errors, try the solutions given below.


## Malware

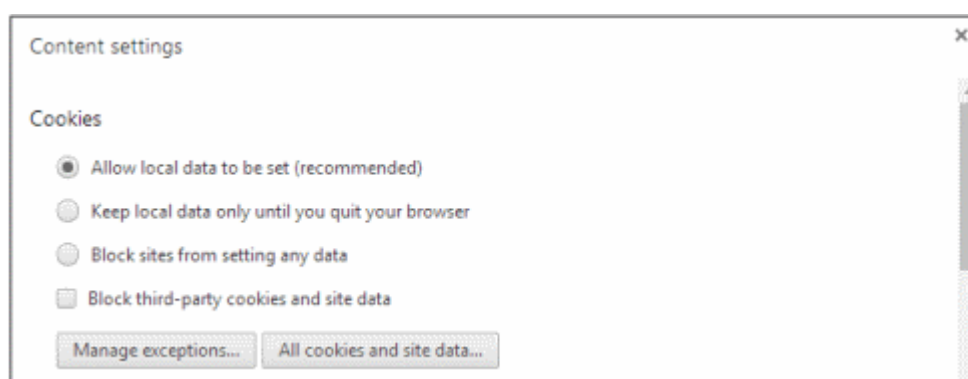
Malware may be the reason for the Comodo Dragon not being able to connect to a web server. Use the latest version of Comodo Internet Security to scan your system for any malware and to remove it. Download Comodo Internet Security from <http://personalfirewall.comodo.com/>.

## Cookies

Cookies are small pieces of information sent by websites that you've visited which are stored by your web browser. Cookies are used by these websites to store your preferences about that website (for example, if you ask a website to 'Keep me logged in' or similar, it is the cookie that keeps a record of this preference). If a cookie is corrupted, the browser may display any of the above error messages. Clear all the cookies.

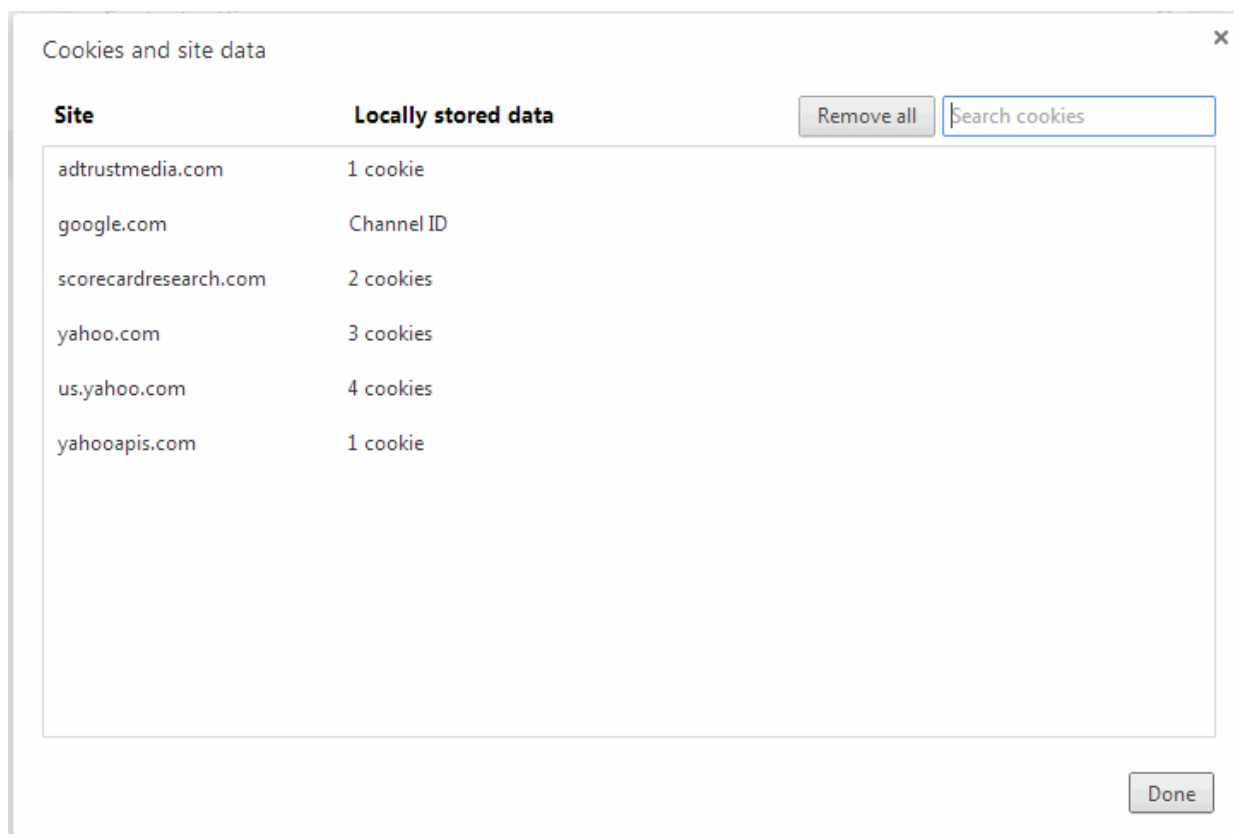
### To delete the cookies

- Click the menu  button located at the top-right corner.
- Select 'Settings' from the menu then click 'Show advanced settings' link.
- In the 'Privacy' section, click the 'Content settings' button and scroll down to 'Cookies' from the list of features.



- Click the 'All cookies and site data' button

The 'Cookies and site data' dialog will be displayed.



- Click 'the Remove All' to delete all cookies.

## Antivirus and Firewall Settings

Check whether the settings in antivirus and firewall applications in your system are configured to allow Comodo Dragon.

## Proxy Settings

Adjust your proxy settings. [Click here](#) to know how to configure proxy settings.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## Video is no longer available

If you try to play YouTube in Comodo Dragon and it displays 'Video is no longer available' error, the most likely reason could be the antivirus application in your system is not allowing the browser to play videos.

Disable the antivirus application in your system temporarily and try to play videos. If it works, check whether any upgrades are available for the antivirus application and install them.

Kaspersky and Shield Defense antivirus applications are the most cited softwares, as per reports received by us, that prevents the browser from playing videos. Adjust the settings in these applications to resolve the issue.

## Error 124 (net\_ERR\_WINSOCK\_UNEXPECTED\_WRITTEN\_BYTES)

When there is a problem with a **Layered Service Provider** in your computer, Dragon will be unable to open requested web-page and displays the above error message. To resolve the issue, check for any malware in your computer. Use the latest version of Comodo Internet Security to scan your system for any malware and to remove it. Download Comodo Internet Security from <http://personalfirewall.comodo.com/>.

If the issue still persists even after removal of malware from your system, disable LSPs in your computer using third-party tools.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## Error 128 (net\_ERR\_SSL\_UNSAFE\_NEGOTIATION)

Some of the antivirus and home security applications are not compatible with Comodo Dragon and the browser may display Error 128 when browsing Google and Gmail websites. Kaspersky, NetNanny and ESET Smart Security applications are the most mentioned applications, as per reports received by us, that cause this error. Adjust the settings in these applications to resolve the issue.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## Error 129 (net\_ERR\_SSL\_WEAK\_SERVER\_EPHEMERAL\_DH\_KEY)

Comodo Dragon may display this error when you are visiting a secure website (HTTPS) and the server that is hosting the site may not be configured correctly and the secure connection cannot be made. To protect your privacy and prevent intruders, Comodo Dragon always uses secure connections. Though the website may work in other browsers, the fact is that the server is vulnerable and the security hole has to be fixed.


**Note to website administrators:** This error is displayed when the SSL/TLS handshake tries to use a public key that is smaller than 512 bits for ephemeral Diffie-Hellman key agreement. To resolve this issue, disable all DHE SSL cipher suites or use 1024 bits or larger Diffie-Hellman key for the DHE\_RSA SSL cipher suites.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## Text not displaying properly

If you see squares instead of text in the web-page that you have opened, the most likely reason could be encoding or missing fonts.

### To manually substitute the web-page's encoding

- Click the menu  button located at the top-right corner.
- Select 'More tools' from the menu.
- In the 'Encoding' menu, select any one of the listed encodings or select 'Auto detect'. Please note that if you select 'Auto detect' mode, the browser may be a bit slower. It is advisable to deselect this option for faster web browsing experience.

If problem still persists, the most likely reason could be missing fonts. To view web-pages that use East Asian languages, right-to-left languages or languages that utilize complex scripts on Windows OS, you have to install the required fonts.

### To install new fonts

- Click 'Start' in computer's taskbar.
- Click 'Control Panel'.
- In the 'Control Panel' window, double-click 'Regional and Language Options'.
- Click the 'Languages' tab and select both the checkboxes in the 'Supplemental language support' section.
- Click 'OK' and proceed with the installation of new fonts.



You can also follow other instructions to install new fonts in your system:

- [Windows XP instructions](#)
- [Windows Vista instructions](#)

[Click here](#) to know more about managing fonts, languages and encoding.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## Plug-ins for Windows Media Player and Java

Comodo Dragon will detect missing plug-ins for websites that you are viewing and will prompt you install them. However, you may not see such a prompt for a web-page that is linked to Windows media files or Java.

### Windows Media Player

- Download the plug-in from <http://port25.technet.com/pages/windows-media-player-firefox-plugin-download.aspx> and save in your computer.
- Navigate to the downloaded file and open the set-up file.
- Click 'Run' and follow the instructions in the setup wizard.
- Restart Comodo Dragon for the installation to take effect.

### Java

- Download Java version 6 update 11 or higher from <http://java.com/en/download/chrome.jsp>.
- Follow the instructions and save the file in your computer.
- Navigate to the downloaded file and open the set-up file.
- Follow the instructions to install Java in your computer.


[Click here](#) to check whether the plug-in is installed successfully.

[Click here](#) to know more about downloading files.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## EV-SSL indicator not displayed

When you visit a website that uses an EV SSL (Extended Validation) certificate, the name of the organization is

displayed in the address bar next to the lock icon . Please ensure that you configure Comodo Dragon to check for server certification revocation, if you do not see the name of the organization in the address bar.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## A script running on this page is taking a long time to do its job

When websites that use more of JavaScript are opened in Comodo Dragon, this error message may be displayed. To safeguard against errors in websites, Comodo Dragon automatically sets a time period for JavaScript actions to be complete. You can choose to stop the script immediately or allow it to run if you think it needs more time to finish its action.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## Graphics not displaying properly

Not updating graphics card drivers regularly in your system might lead to slow loading or running of web graphics and videos. To resolve the issue, Comodo suggests you to use the latest version of operating systems and regularly

implement system updates.

If you are still having problem, post your comments in <http://forums.comodo.com/news-announcements-feedback-cd-b203.0/> to get assistance from Comodo forums.

## 10.3. Report A Bug

Comodo continually updates its products and intends to keep them bug-free. If you find any bug or have questions, please post them in the Feedback section of the Comodo Dragon forum at:

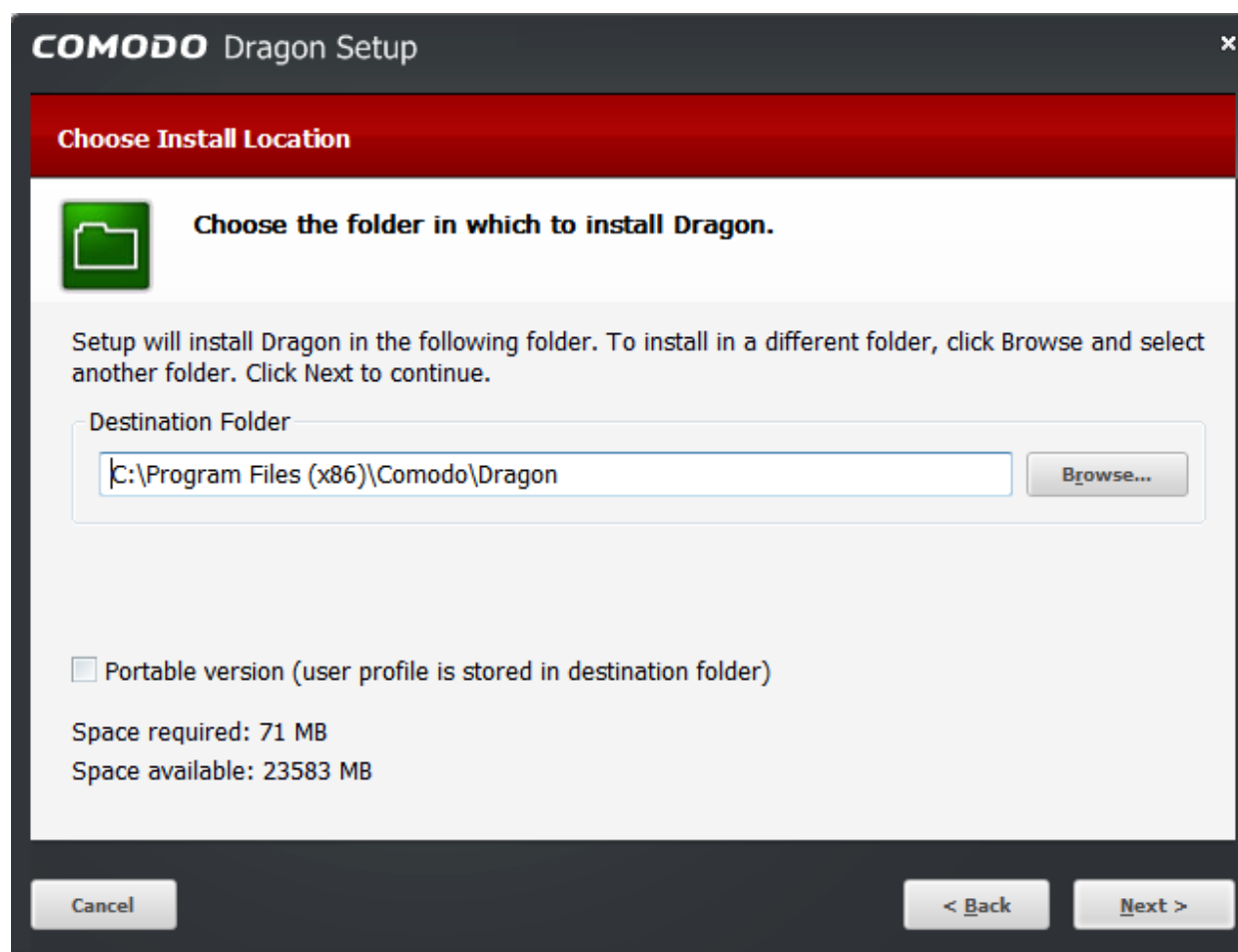
<http://forums.comodo.com/news-announcements-feedback-cd-b203.0/>

If you haven't done so already, please create an account before posting.

## 11. Portable Version

Comodo Dragon can also be installed in portable mode. As the name suggests, portable mode allows users to quickly launch and use their pre-configured Comodo Dragon on any computer without the need to install, import bookmarks or modify settings.

In portable mode, the user profile (configuration data) is written to the Dragon installation folder instead of the Windows 'user' folder on the local machine. Therefore, by simply copying the installation folder to another drive (such as a USB fob or a drive on another computer), you will be able to launch and use your personalized Comodo Dragon.



Portable mode must be selected during the installation process:

There are a few differences to setup if portable mode is selected:

- The 'Import Settings' and 'Secure DNS' dialog boxes will not be shown during the installation process
- The Installer does not write anything to the Windows registry
- Uninstaller is not created
- User profile is stored in the "User Data" folder inside the main Comodo Dragon installation folder.

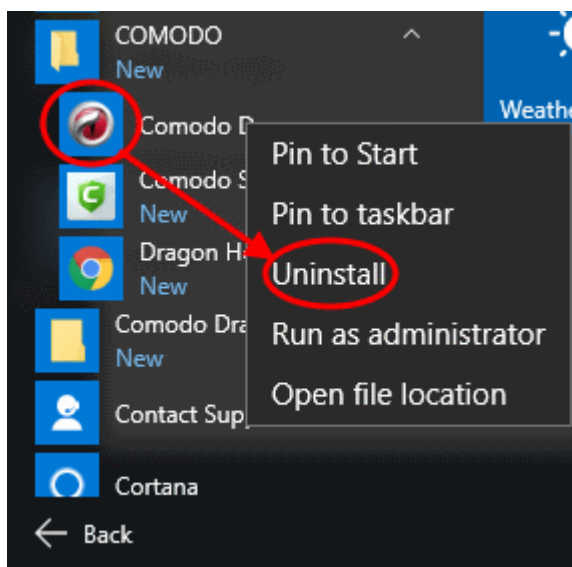
## 12. Uninstalling Comodo Dragon

To uninstall Comodo Dragon

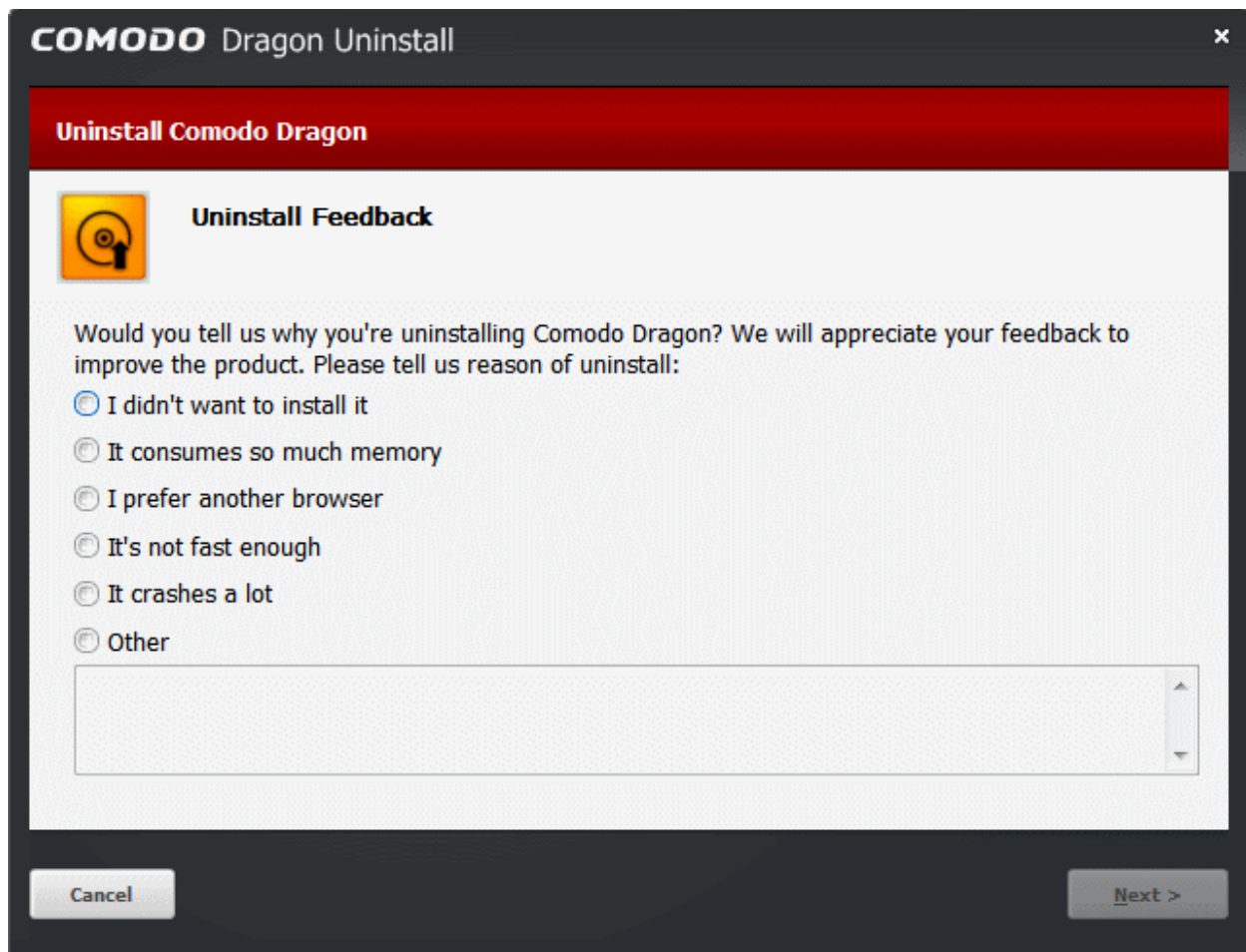
- Click Start > Settings > Control Panel
- In the Control Panel, select Programs and Features, double-click Uninstall/Change
- In the list of currently installed programs, click Comodo Dragon
- Click the 'Change/Remove' button.

Or

- Click *Start > All Programs > COMODO > Dragon > Uninstall Comodo Dragon.*

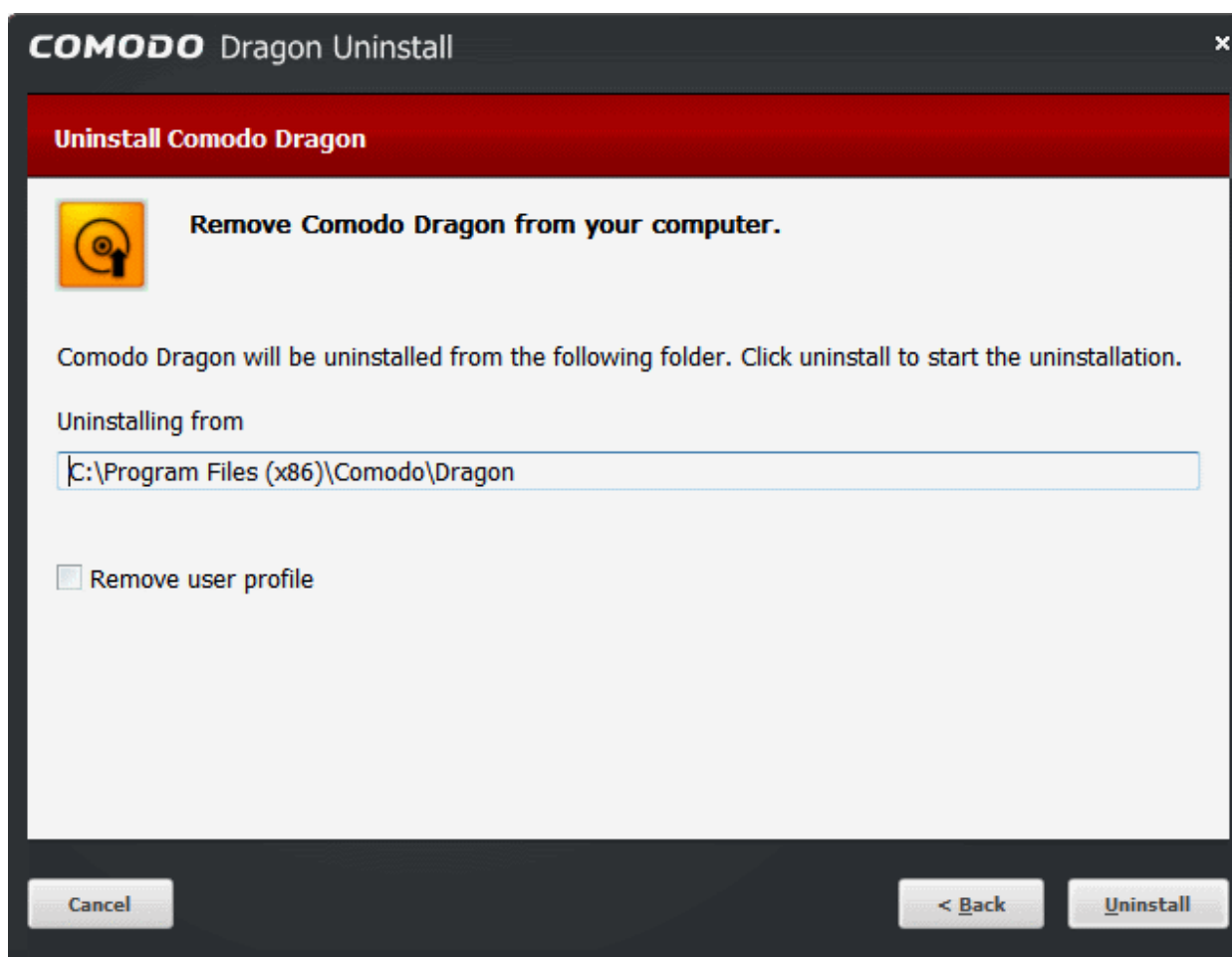


The Comodo Dragon feedback dialog will appear.



- Your feedback information is highly appreciated! Select the reason for uninstalling from the options. If the reason is not available in the options, select 'Other' and enter the reason in the text box.
- Click 'Next'

The Uninstall dialog will be displayed.



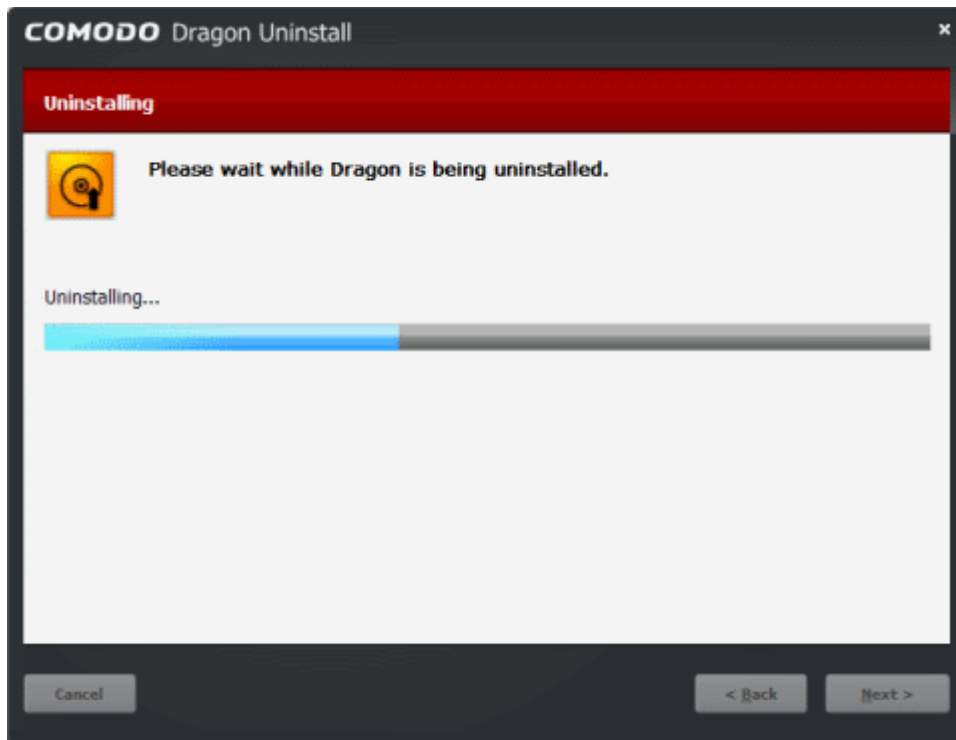
The screen displays the selection of the folder in your hard drive for installing Comodo Dragon. The default installation location is 'C:\Program Files\Comodo\Dragon'. Click the 'Uninstall' button.

- **Remove user profile** - By, default, you will be provided a choice to save your Dragon profile data in your computer. If you plan to install Dragon again at a later time, the new browser will use this profile data such as bookmarks, history etc., and your settings to configure the browser. If not, select the checkbox 'Remove User Profile'.

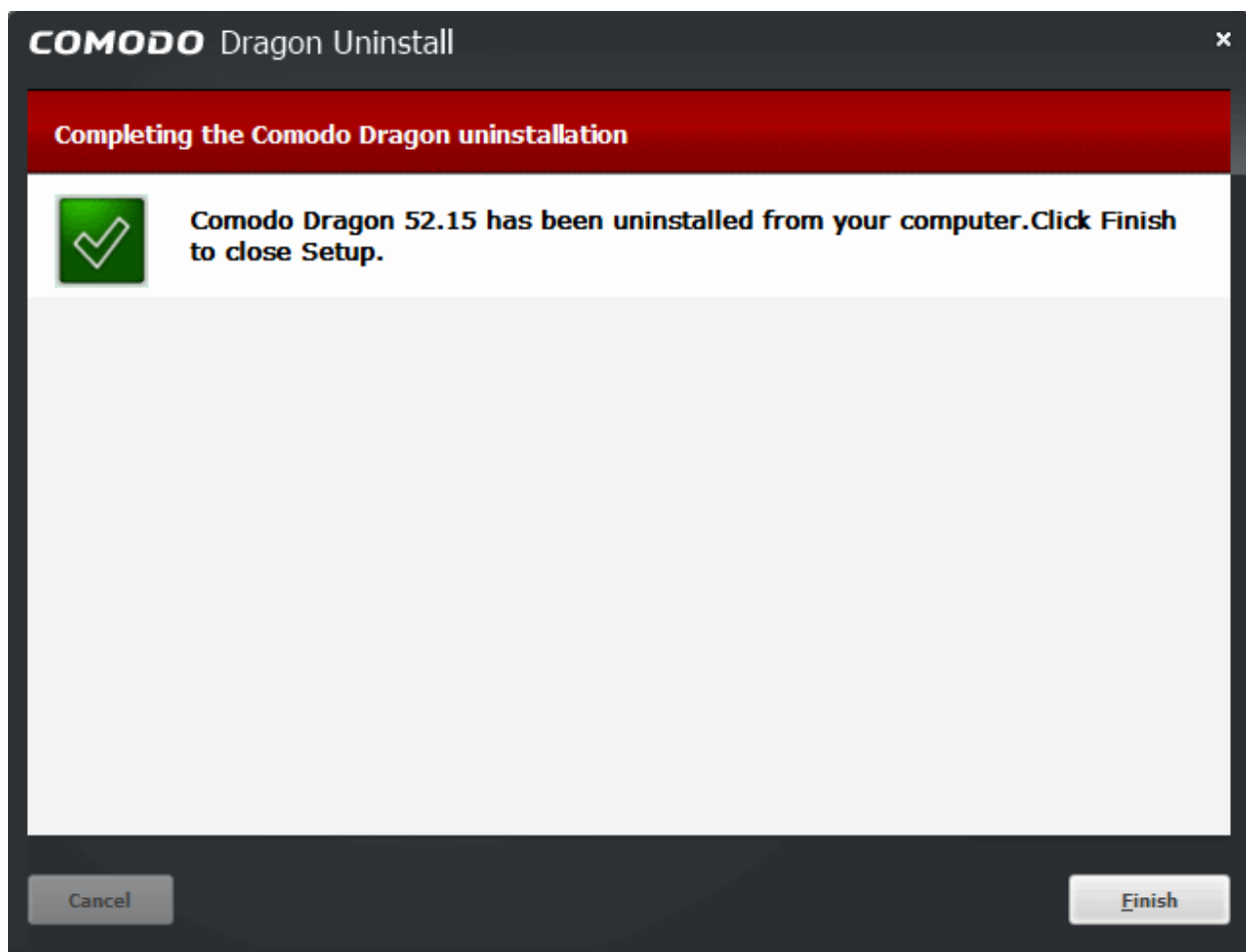
If you have chosen to install System-Wide Comodo SecureDNS by selecting the option 'I would like to use Comodo SecureDNS Servers (with all applications)' in **step 4** during installation, the modified DNS settings in your computer will not be reverted on selecting this option, enabling you to continue using Comodo SecureDNS services. If you want to revert the DNS server IP address to your previous settings you need to manually change it in the 'Internet Protocol (TCP/IP) Properties' dialog accessible by clicking Start > Control Panel > Network Connections > selected network > Properties > Internet Protocol (TCP/IP) > Properties.

- Click 'Uninstall' to commence the uninstallation.

The uninstallation progress will be displayed...



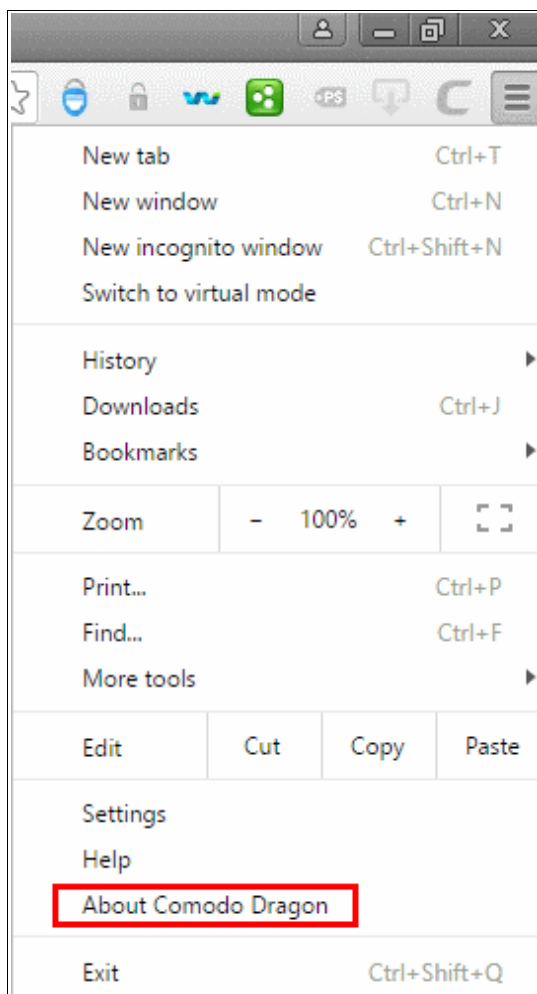
...and on completion, the 'Finish' dialog will be displayed.



- Click 'Finish' to complete the uninstallation process.

## 13. About Comodo Dragon

The 'About' dialog provides the details of the product and its version number. To view the product details and its version number, click 'About' from the 'Menu' bar.



The 'About Comodo Dragon' dialogue will be displayed.

The information displayed will be as follows:

- Product Name - The full name of the product
- Product Version - The version number of the product

Clicking on 'Get help with using Comodo Dragon' button leads you to [help.comodo.com](http://help.comodo.com)

## About

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### Comodo Dragon

A Chromium web browser built for speed, security, and privacy

Get help with using Comodo Dragon

Version 52.15.25.663

✔ Comodo Dragon is up to date.

Comodo Dragon

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Comodo Dragon is made possible by the [Chromium](#) open source project and other [open source software](#).

Based on Chromium 52.0.2743.82.



## About Comodo

The Comodo organization is a global innovator and developer of cyber security solutions, founded on the belief that every single digital transaction deserves and requires a unique layer of trust and security. Building on its deep history in SSL certificates, antivirus and endpoint security leadership, and true containment technology, individuals and enterprises rely on Comodo's proven solutions to authenticate, validate and secure their most critical information.

With data protection covering endpoint, network and mobile security, plus identity and access management, Comodo's proprietary technologies help solve the malware and cyber-attack challenges of today. Securing online transactions for thousands of businesses, and with more than 85 million desktop security software installations, Comodo is Creating Trust Online®. With United States headquarters in Clifton, New Jersey, the Comodo organization has offices in China, India, the Philippines, Romania, Turkey, Ukraine and the United Kingdom.

### **Comodo Security Solutions, Inc.**

1255 Broad Street

Clifton, NJ 07013

United States

Tel: +1.877.712.1309

Tel: +1.703.637.9361

Email: [EnterpriseSolutions@Comodo.com](mailto:EnterpriseSolutions@Comodo.com)

For additional information on Comodo - visit <http://www.comodo.com>.