COMODO
Creating Trust Online®

Comodo Antivirus

Software Version 2.1

User Guide

Guide Version 2.1.030515

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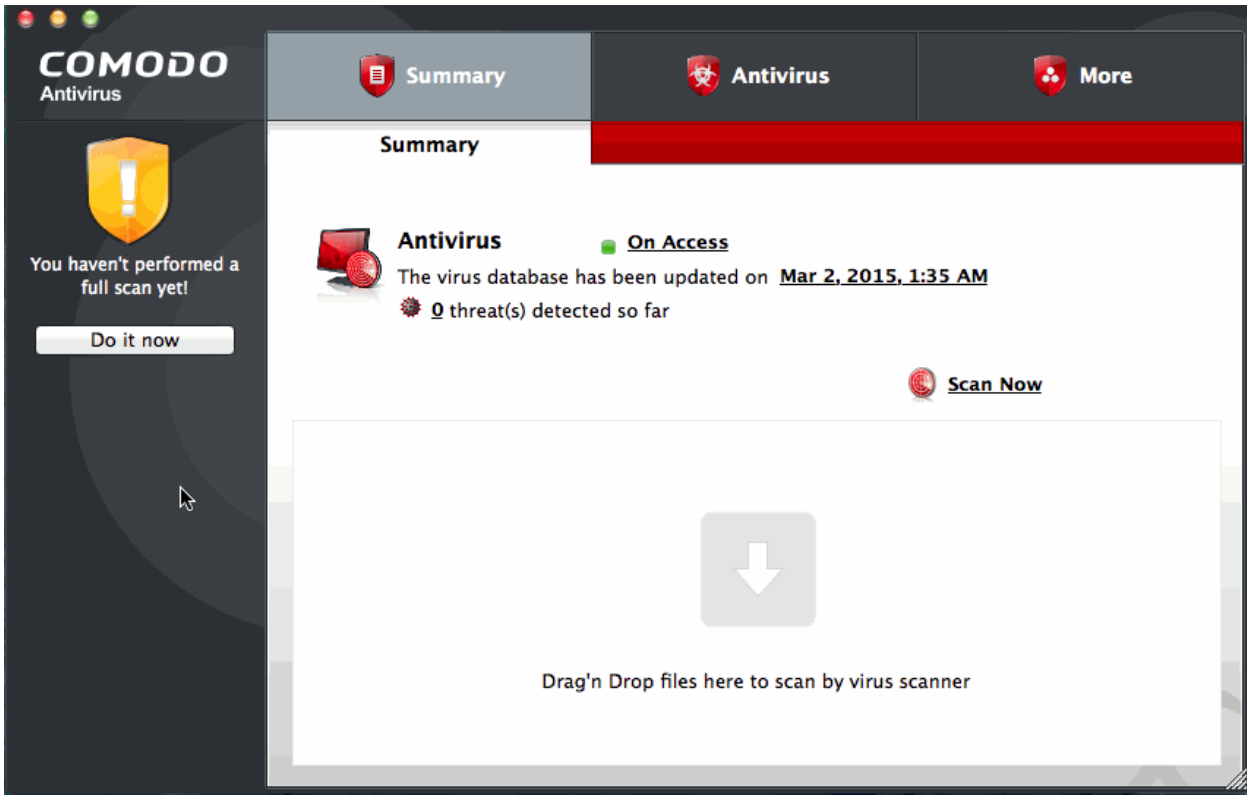
1.Introduction to Comodo Antivirus

Comodo Antivirus (CAV) offers complete protection against viruses, worms and Trojan horses for MAC OS X based computers. The software is easy to configure and use and features real-time, on-access and on-demand virus scanning, full event logging, cloud based behavior analysis of unknown files and more. Users can start virus scans immediately by clicking the 'Scan Now' link on the summary screen. Individual files can be checked for viruses at any time by dragging them into the scan box in the 'Summary' area or, if the interface is not open, by dragging them onto the Comodo dock icon.

- Detects, blocks and eliminates viruses from desktops and networks
- Constantly protects with Real-Time and On-Access scanning
- Built in scheduler allows you to run scans at a time that suits you
- Isolates suspicious files in quarantine preventing infection
- Daily, automatic updates of virus definitions
- Simple to use: install and forget while Comodo Antivirus protects you in the background



Guide Structure

This introduction is intended to provide an overview of Comodo Antivirus. Please use the links below to jump to the section that you need help with.

- Introduction to Comodo Antivirus
  - System Requirements
  - Installation
  - Starting Comodo Antivirus
  - The summary screen
  - View Antivirus Events
  - Navigation
  - Understanding Alerts
  - How To... Tutorials
- Antivirus Tasks - Introduction

- Run a Scan
- Update Virus Database
- Quarantined Items
- Scanner Settings
  - Real Time Scanning
  - Manual Scanning
  - Scheduled Scanning
  - Exclusions
- Submit Files to Comodo for Analysis
- Scheduled Scans
- Scan Profiles

- More... Options
  - Preferences
    - General Settings
    - Language Settings
    - Parental Control Settings
    - Update Settings
  - Manage My Configuration
  - Diagnostics
  - Check For Updates
  - Browse Support Forums
  - Help
  - About

1.1. System Requirements

To ensure optimal performance of Comodo Antivirus, please ensure that your computer complies with the minimum system requirements as stated below.

COMODO AV solution should be compatible with the following hardware platforms:

- Mac Intel x86_64

Operating systems:

- Mac OS X 10.9 x
- Mac OS X 10.10.x

1.2. Comodo Antivirus for MAC - Installation

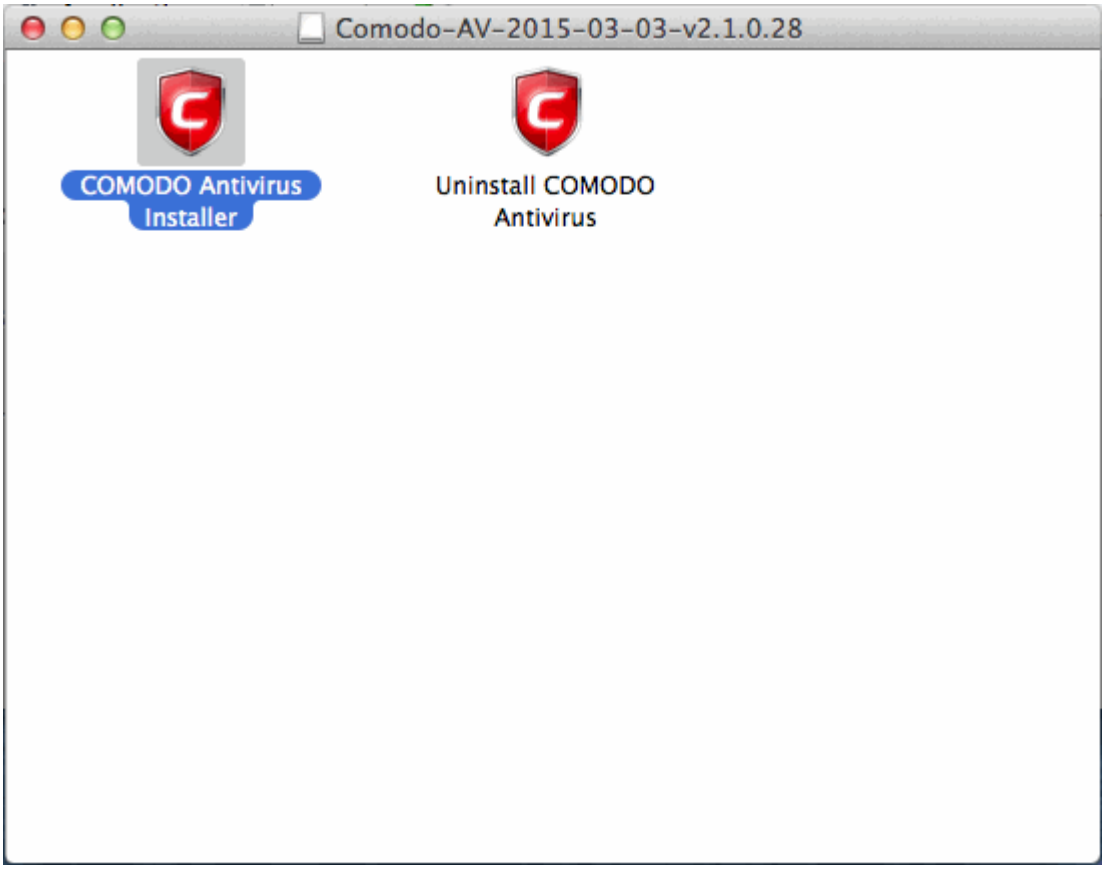
The CAVS application can be installed on to your server in two ways, through:

- Installation wizard
- Console

To install AV for MAC using installation wizard

In order to install Comodo Antivirus, you need to download the setup file from **http://download.comodo.com/cis/download/installs/mac/CAVSetup.dmg.zip**.

After downloading to your local hard drive, double click the 'Comodo Antivirus Installer' to start the installation wizard:



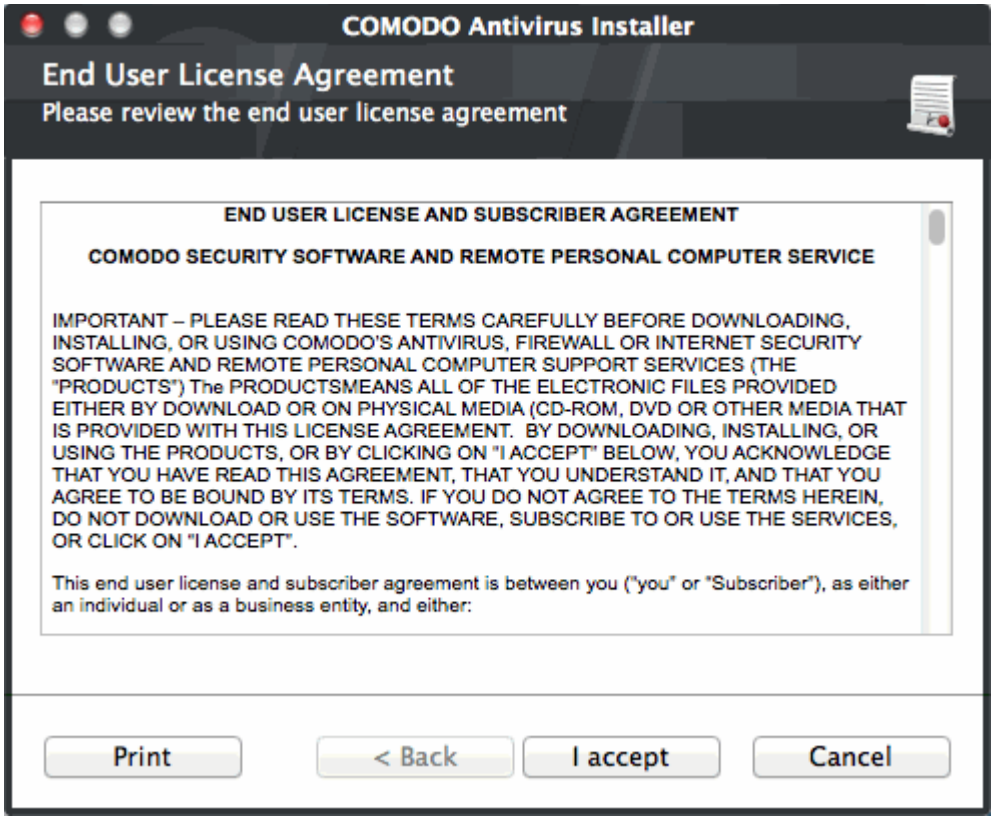
STEP 1 -Choosing the Interface Language

The installation wizard starts automatically.

- Select the language in which you want Comodo Antivirus to be installed from the drop-down menu and click 'OK'.

STEP 2 - End User License Agreement

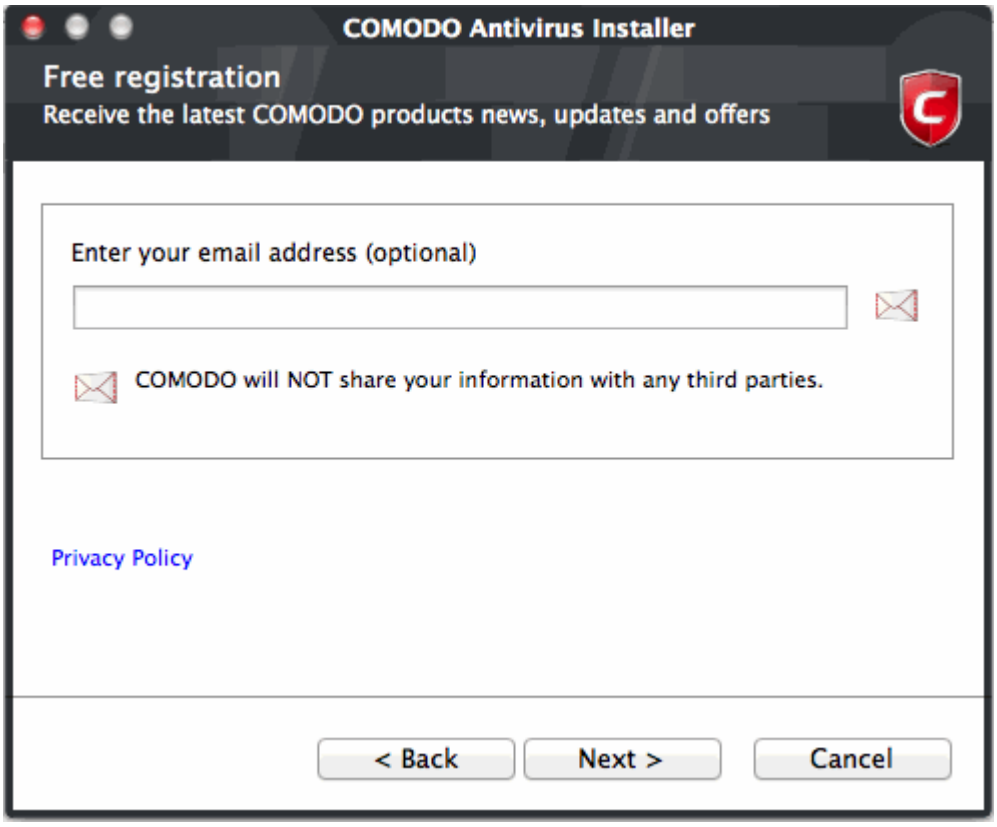
To continue with the installation, you must next read and accept the End User License Agreement (EULA):



Click 'I accept' to continue the installation. If you want to cancel the installation at this stage, click 'Cancel'.

STEP 3 - Free Product Registration

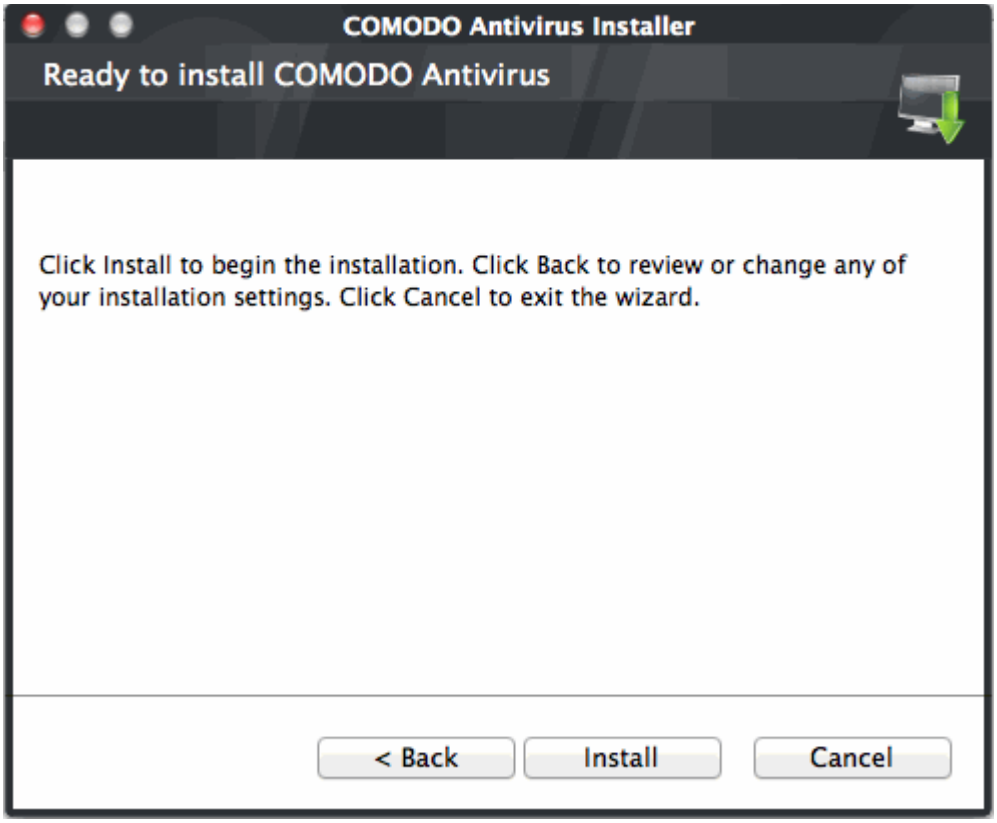
Comodo Antivirus is activated free of charge for life. If you wish to sign up for news about Comodo products then enter your email address in the space provided. This is optional.



Click 'Next' to continue.

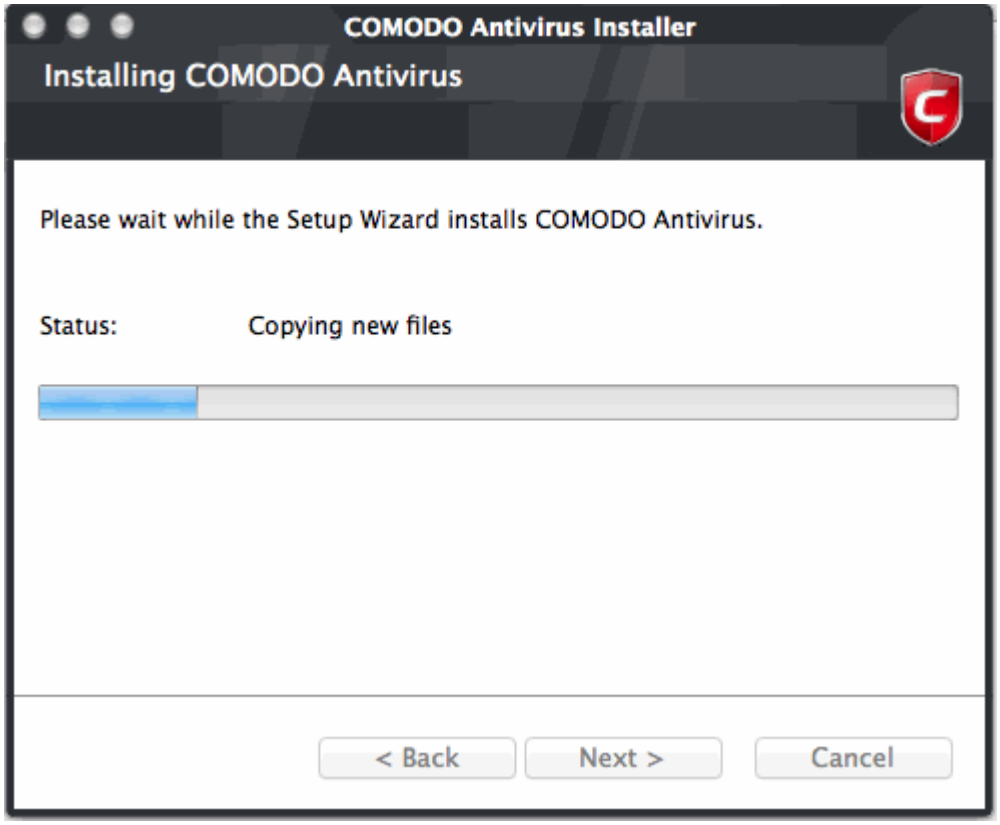
STEP 4 - Confirmation dialog

After completing the configuration options to your satisfaction the setup wizard will ask for confirmation before commencing the installation procedure.



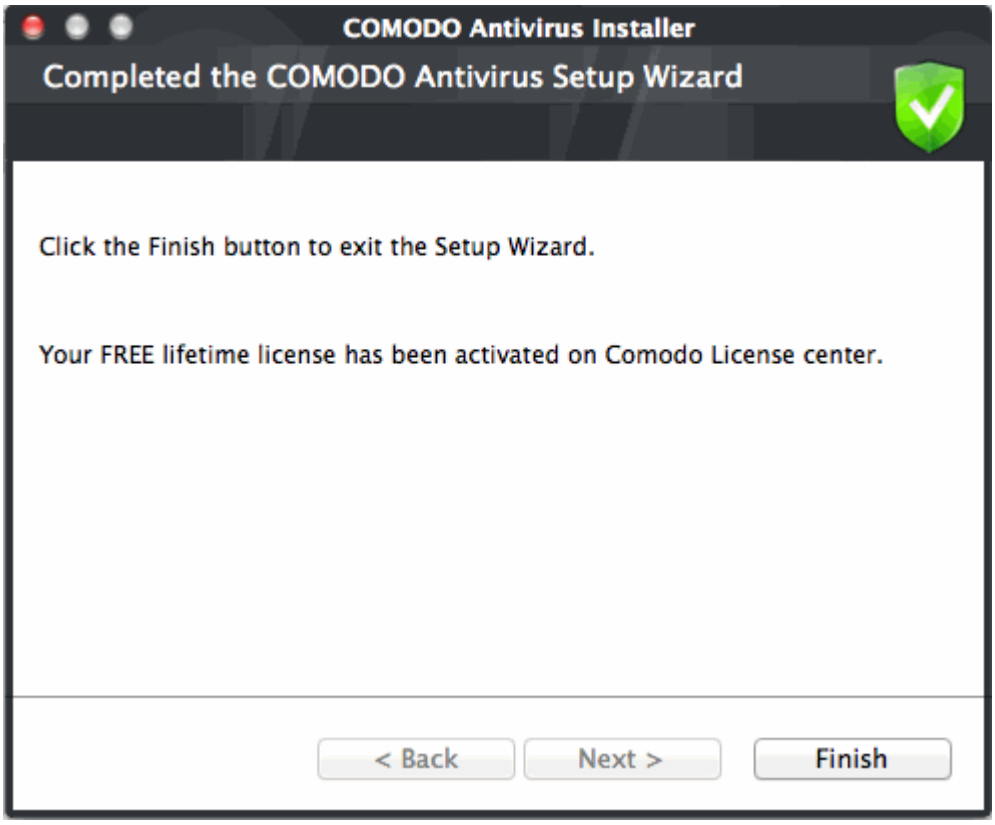
Click the 'Back' button to review and/or modify any of settings you have previously specified. To confirm your choices and begin the installation of the Comodo Antivirus, click 'Install'.

The setup status box will be displayed. You will see a progress bar indicating that files are being installed.



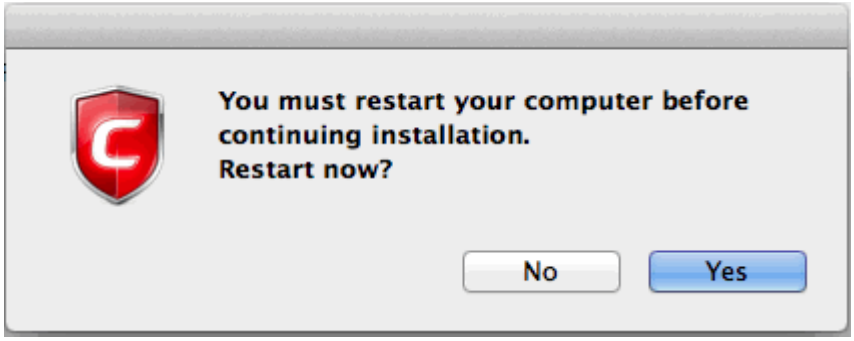
STEP 5 - Installation Complete

The Installation Complete dialog is displayed indicating the successful completion of installation.



- Click 'Finish'.

For the installation to take effect, the system has to be restarted.



Click 'Yes' to restart your system.

To install AV for MAC using CESM console

Comodo Antivirus for MAC can be remotely deployed through the Comodo Endpoint Security Manager console. **Click here for more details on Importing Mac OS based Computers**

1.3. Starting Comodo Antivirus

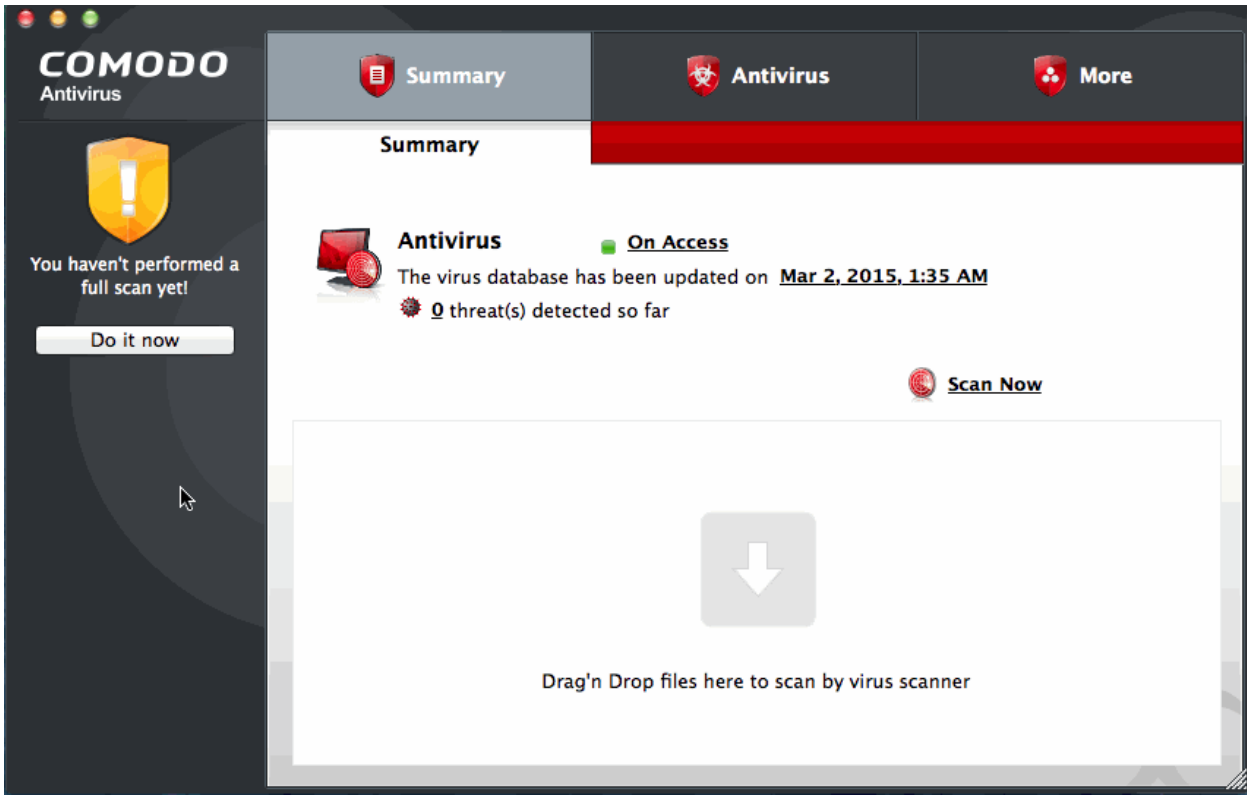
After installation, Comodo Antivirus will be automatically loaded whenever you start your computer. Real-time protection and on-access scanning is automatically enabled so you are protected immediately after the restart. To configure the application and view settings, you need to access the management interface.

There are two main ways to do this - by **clicking the taskbar icon** or by **clicking the dock icon.**

Open by clicking the taskbar icon

To open the interface, click the CAV taskbar icon as shown:

This will open Comodo Antivirus at the Summary screen. We recommend your first task should be to run a full scan on your computer. Click 'Do it now' under the yellow shield on the left to start a full scan. Alternatively, see '**The Summary Screen**' and '**Antivirus Tasks - Introduction**' if you wish to learn more about the application.



Open by clicking the dock icon

Comodo Antivirus will automatically add an application quick launch icon to the MAC OS dock. You can open the interface at any time by clicking the icon as shown:

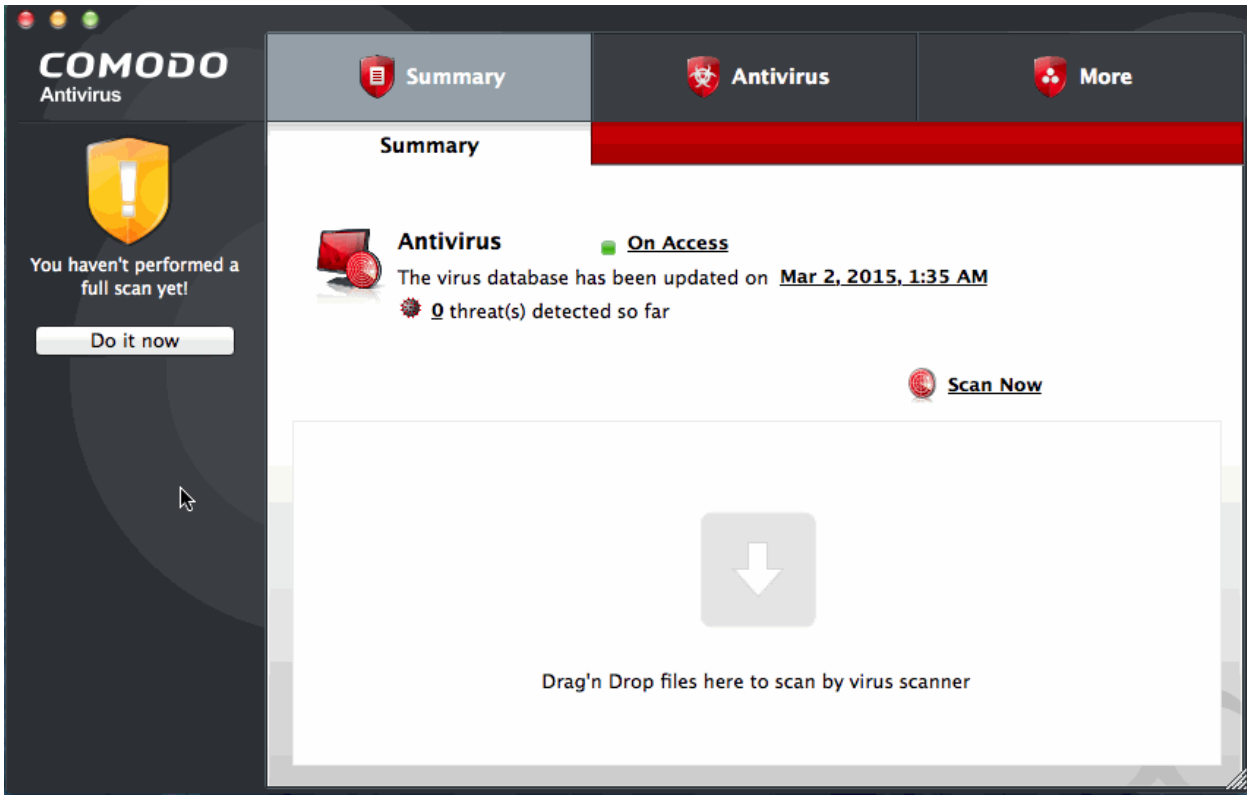
Tip: You can run scans on any file or folder by simply dragging it onto the CAV dock icon. If, for whatever reason, this icon is removed or is not present and you wish to manually add it then please follow these steps:

Double click 'Macintosh HD' on your desktop:

- Click 'Applications' then double-click the 'Comodo' folder
- Click and hold the 'Comodo Antivirus' icon and simply drag it down to the dock.
- From now onwards, you will be able to open the application by clicking the dock icon.

1.4. Comodo Antivirus - The Summary Screen

The 'Summary' screen is shown by default when you open the application. It provides an at-a-glance summary of protection and update status as well as allowing you to quickly run a virus scan with a single click. You can access this area at any time by selecting the 'Summary' tab as shown in **General Navigation**.



Individual files can be scanned for viruses by dragging them into the scan area.

The summary screen contains the following information:

1. **System Status**

   The shield icon on the left of the interface is a high visibility indicator of your current protection level. In the example above, we see a yellow icon indicating that there are actions you need to take. In this case it is yellow because you need to run a full scan. Once you have done this (and providing 'Real Time Scanning is not disabled), the shield icon should turn green and display the message 'All systems are active and running'.

2. **Antivirus**

   The Antivirus summary box contains:

i. **The Status of Realtime Virus Scanning**

The status of the virus scanning setting is displayed as a link (*on Access* in the example above). On clicking this link, the Virus Scanner Settings panel will open, allowing you to quickly set the level of Real Time Scanning, by moving the status slider. For more details on Virus Scanner Settings, refer to **Scanner Settings**

ii. **When the Virus Database was Last Updated**

The day and time at which the virus database was last updated is displayed as a link. On clicking the link, the update of the virus database is started and the current date and time are displayed on completion of the process.

iii. **Number of Detected Threats**

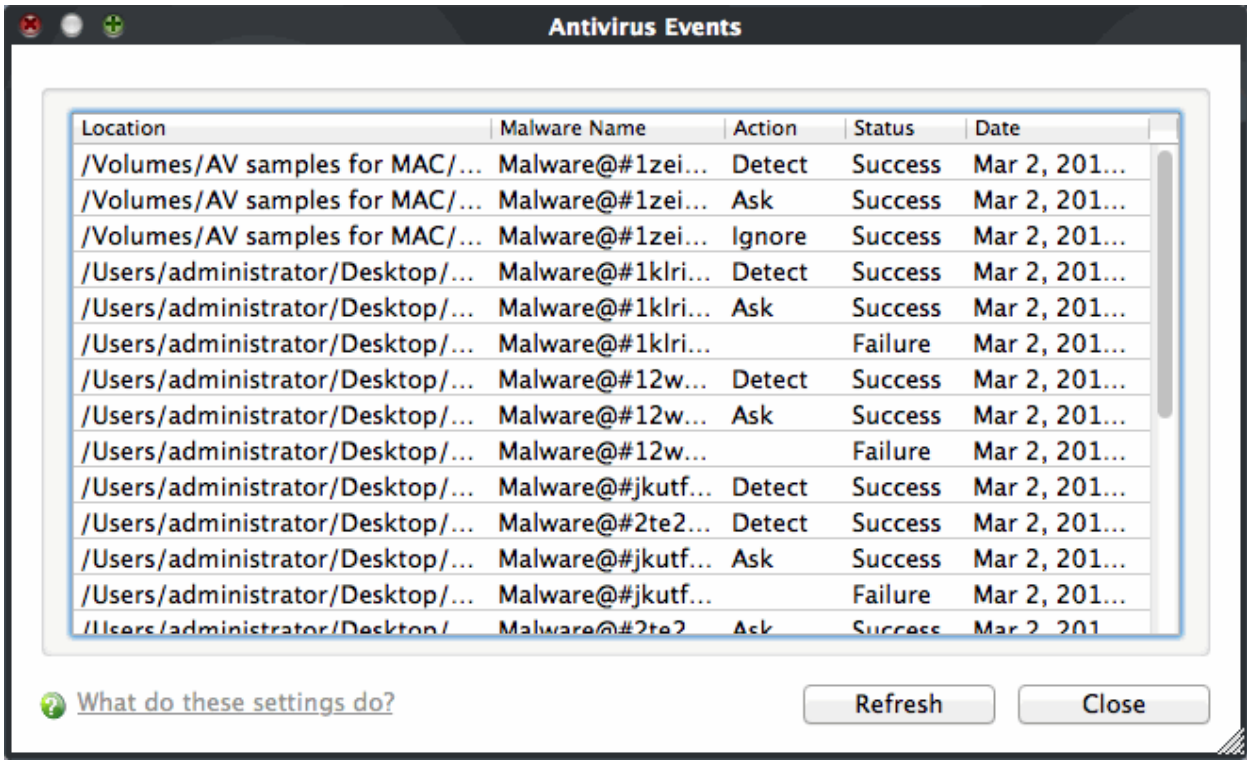
The number of threats detected so far from the start of the current session of Comodo Antivirus is displayed here as a link. On clicking the link, the Antivirus Events panel will open. For more details on viewing Antivirus events, refer to **Antivirus Events**.

iv. **Scan Now**

The 'Scan Now' link in this box allows you to instantly **Run a Scan**.

1.5. View Antivirus Events

The 'Antivirus Events' viewer contains a log of actions taken by the virus scanner when it encountered a malicious file. The viewer will tell you the date and time a particular virus was detected, where it was located and the action that was taken by Comodo Antivirus in response. You can open the event viewer at any time by clicking the '<number> of threats detected so far' on the antivirus 'Summary' screen.



Column Descriptions

- **Location** - The location where the malicious file was detected
- **Malware Name** – The name of the malware
- **Action** - The action taken against the malware
- **Status** – Indicates whether or not the action was successful

- **Date** - Indicates the date of the event
- To refresh the events, click the 'Refresh' button.
- To close the events, click the 'Close' button.

1.6. Comodo Antivirus - Navigation

The Comodo Antivirus interface is divided into three main functional areas - 'Summary', 'Antivirus' and 'More'. You can access any of these areas by clicking the icons along the top of the interface.

- **Summary** - Contains at-a-glance details of important settings, activity and other information.
- **Antivirus** - Opens the **Antivirus Tasks** configuration section. This area allows you to run scans, configure settings, schedules, updates, scan profiles and more.
- **More** - Opens the **More** options screen which contains options relating to the overall configuration of Comodo Antivirus.

Each of these areas contains several sub-sections that provide granular control over the configuration of the application.

1.7. Understanding Alerts

Antivirus alerts immediately inform you if a virus has been detected and provide options and information so you can make an informed decision on how to proceed. Alerts can also be used to instruct Comodo Antivirus on how it should behave in future when it encounters activities of the same type.

Answering an Antivirus Alert

Alerts are generated whenever a virus or malware tries to be copied to or run on your system. Alerts appear at the bottom right hand side of your computer screen. The alert contains the name of the virus detected and the location of the virus on your disk and, if available, more information about the virus.

Each alert has two main options - 'Clean' and 'Ignore'. Selecting either of these will present further options.

- Clicking 'Clean' will allow you to:
  - Clean the file
  - Quarantine the file. This will move the file to **Quarantined Items**

  OR

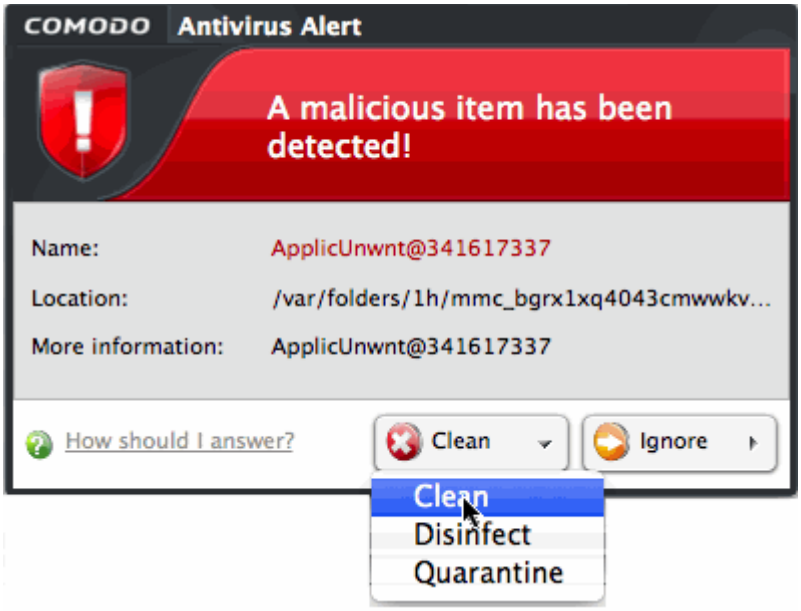
- Disinfect the file. If CAV has a disinfection routine available it will disinfect the file. If not, then the file will be deleted.

- Clicking 'Ignore' will present you with the following options:
  - Once - If you click 'Once', the file is ignored this time only. If the same file is detected at another time then another alert will be displayed.
  - Report this to COMODO as a False Alert - If you are sure that the file is safe, select 'Report this to Comodo as a False Alert'. This will submit the file to Comodo for analysis. If the file is found to be trustworthy, it will be added to the Comodo whitelist.
  - Add to Exclusions - If you click 'Add to Exclusions', the virus is added to your local **Exclusions** list. This means Comodo Antivirus will no longer report this file as malicious or raise an alert the next time the file is detected.

Ignore the alert only if you trust the application.

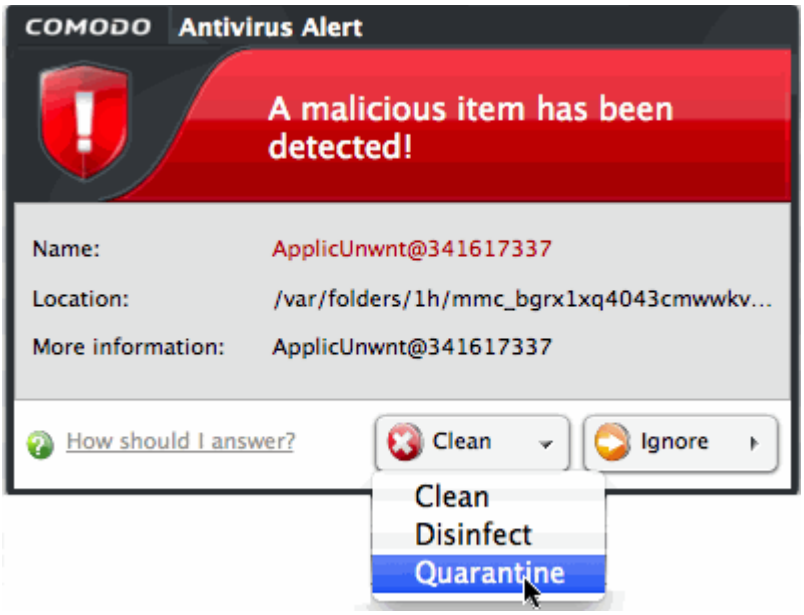
To clean the file or application form your system

- Click the drop-down arrow beside the 'Clean' button and select 'Clean' from the 'Clean' options.



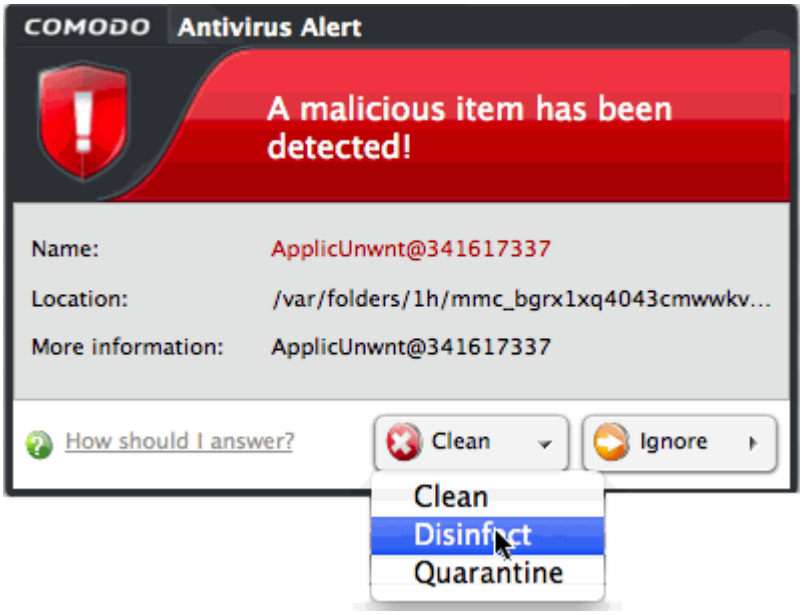
To move the file or application to Quarantine

- Click the drop-down arrow beside the 'Clean' button and select 'Quarantine' from the 'Clean' options.



To disinfect the file or application

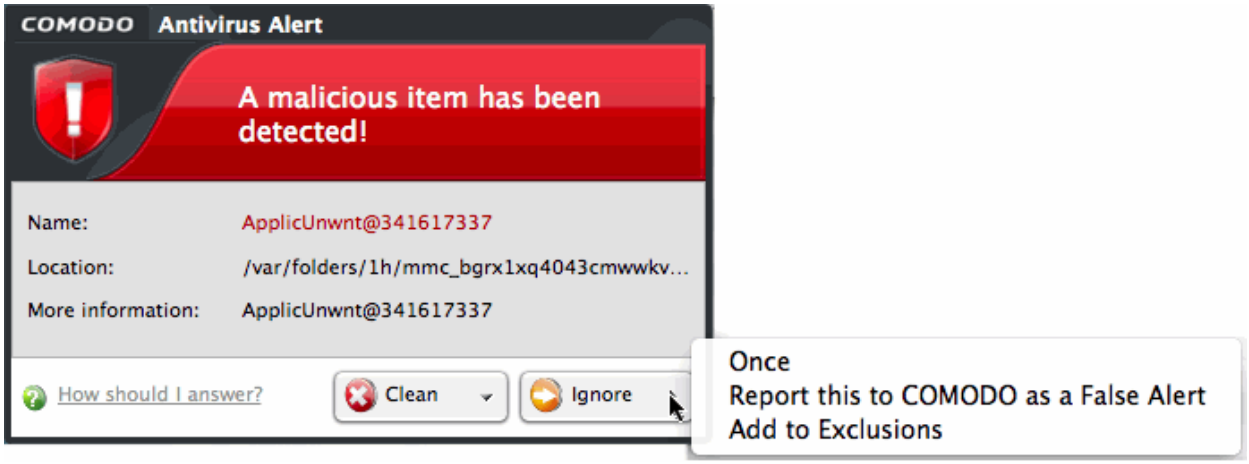
- Click the drop-down arrow beside the 'Clean' button and select 'Disinfect' from the 'Clean' options.



Comodo Antivirus will first attempt to disinfect the file in question. If this is not possible, then the file will be deleted.

To ignore the alert if you trust the file/application

- Click the 'Ignore'. Selecting 'Ignore' provides you with three options:



- **Once**. If you click 'Once', the file is ignored this time only. If the same file is detected at a later date then another alert will be displayed.
- **Report this to COMODO as a False Alert**. If you are sure that the file is safe, select 'Report this to Comodo as a False Alert'. This will submit the file to Comodo for analysis. If the file is found to be trustworthy, it will be added to the Comodo white-list.
- **Add to Exclusions**. If you click 'Add to Exclusions', the virus is moved to **Exclusions** list. This means Comodo Antivirus will no longer report this file as malicious or raise an alert the next time the file is detected.

1.8. Comodo Antivirus - How To... Tutorials

The 'How To...' section of the guide contains guidance on key tasks of Comodo Antivirus. Use the links below to go to each tutorial's page.

- **How to Scan your Computer for Viruses** - Explains how automatically or manually you scan your computer
- **How to Configure Database Updates** – Allows you to specify how virus signature updates should be handled
- **How to Quickly Setup Security Levels** - Guidance on changing the antivirus security level
- **How to Change Comodo Antivirus Language Settings** - Explains how to switch languages
- **How to Password Protect your CAV settings** - Explains how to prevent your antivirus settings from being changed by others
- **How to Run an instant Antivirus scan on Selected Items** - Guidance on initiating a manual scan on selected folders/files to check for viruses and other malware
- **How to Create a Scheduled Scan** – Specify a schedule to scan selected items at certain times
- **How to Restore Incorrectly Quarantined Item(s)** - Help to restore files and executables that were moved to quarantine by mistake
- **How to Submit Quarantined Items to Comodo for Analysis** - Advice on how to send suspicious files/executables to Comodo for analysis
- **How to Switch Off Automatic Software and Antivirus Updates** - Explains how to stop automatic software and virus updates
- **How to Temporarily Suppress Alerts when Playing a Game** - Helps you to switch off pop-up alerts to avoid interruptions while playing games
- **How to View Antivirus Reports** – Help to view all scan events

1.8.1. How to Scan your Computer for Viruses

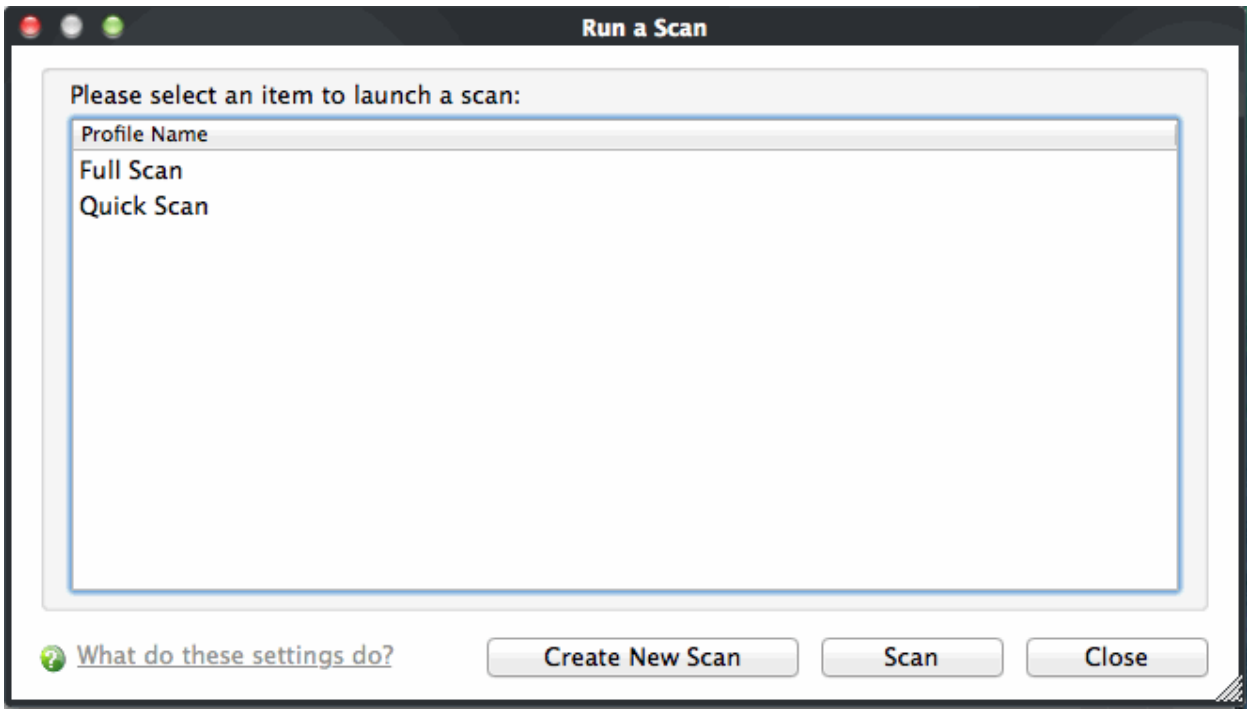
Comodo Antivirus allows you to quickly run an on-demand scans on any file or area on your computer.

- **To start a manual scan of your whole computer or specific location(s)**
- **To run a quick scan on a particular item**

To start a manual scan of your computer or specific location

- Open the 'Run a Scan' dialog by selecting 'Scan Now' from the summary screen. The interface can also be opened by clicking the 'Antivirus' tab followed by 'Run a Scan'.

Either method will open the 'Run a Scan' dialog:



- You have two broad options:

- Choose to run a predefined scan profile. 'Full Scan' will scan your entire system while 'Quick scan' is a targeted scan of very important files and folders.

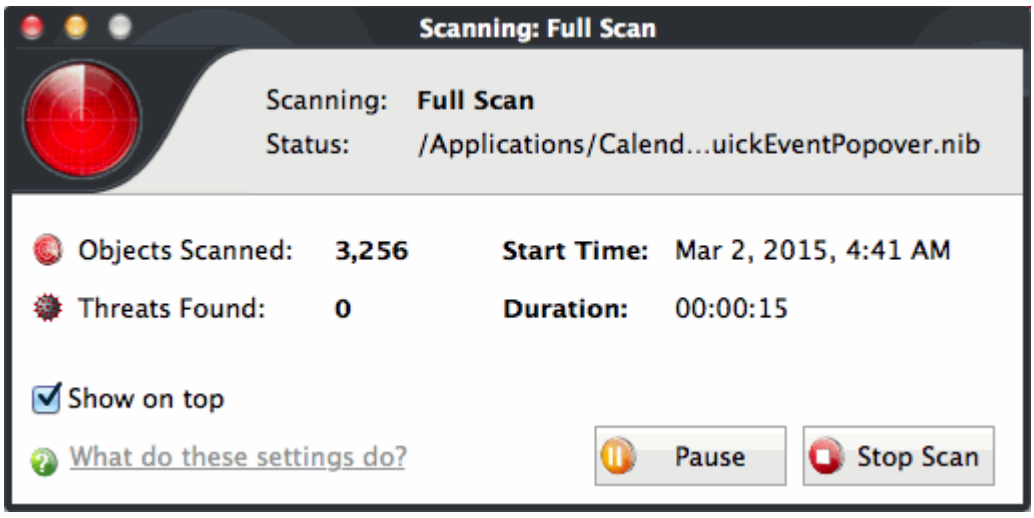
  Select the profile you want then just click the 'Scan' button to run a scan of a predefined area

  OR

- Choose to 'Create New Scan'. As the name suggests, this allows you to create a custom scan of precise areas of your system (drives. folders etc). See **custom scan**. if you would like to know more about this option.

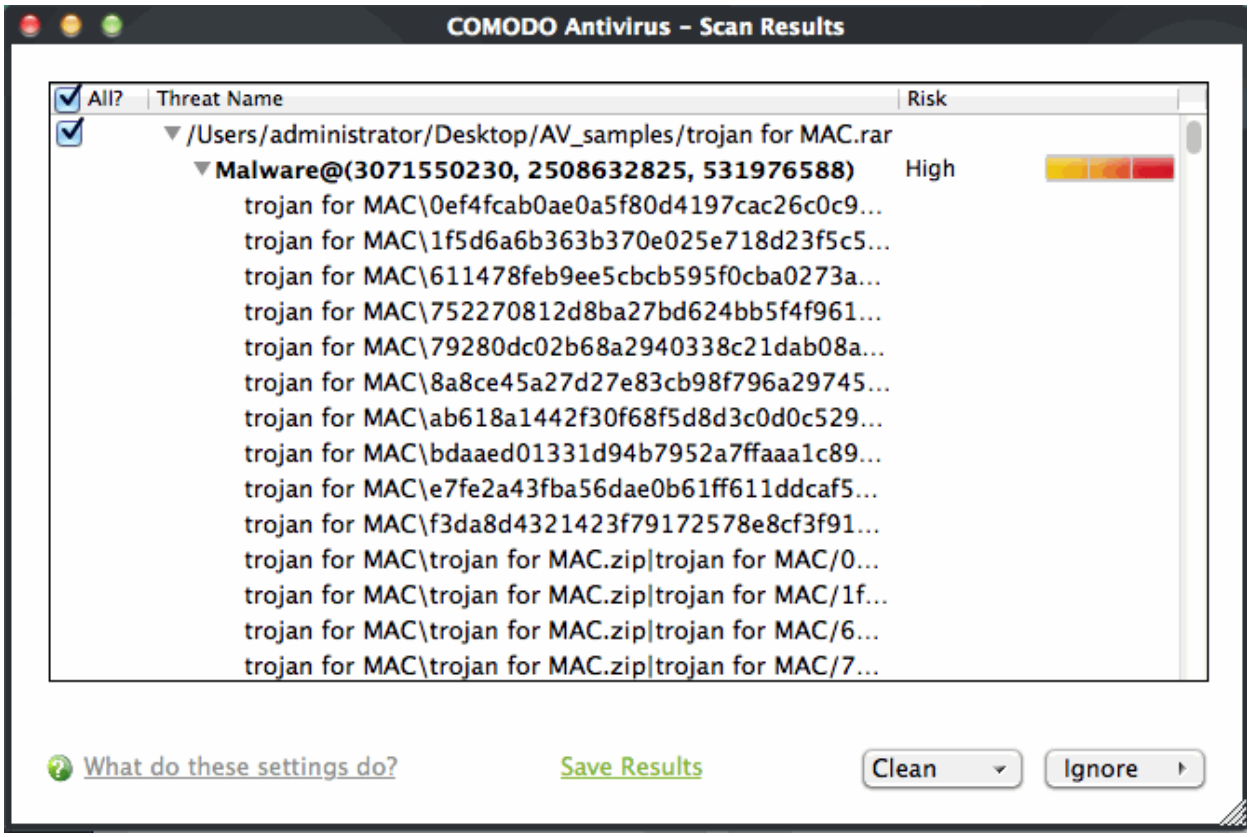
After clicking the scan button, Comodo Antivirus will first check for database updates. If they are available, they will be downloaded and installed before the scan runs.

Scanning will commence immediately after any updates are applied.



The progress dialog shows the following items: profile name, the scanned location, the start time and duration of the scan, the total number of objects scanned and the number of threats found.

On completion of scanning, the scan results screen will list the names and risk levels of all the threats found.



Note the 'All?' check-box in the top left corner is enabled, meaning your choice of 'Clean' or 'Ignore' will apply to all listed items.

Click the 'Clean' button will instruct CAV to appropriately deal with the listed items. They will either be removed, disinfected, or moved to **Quarantine**.

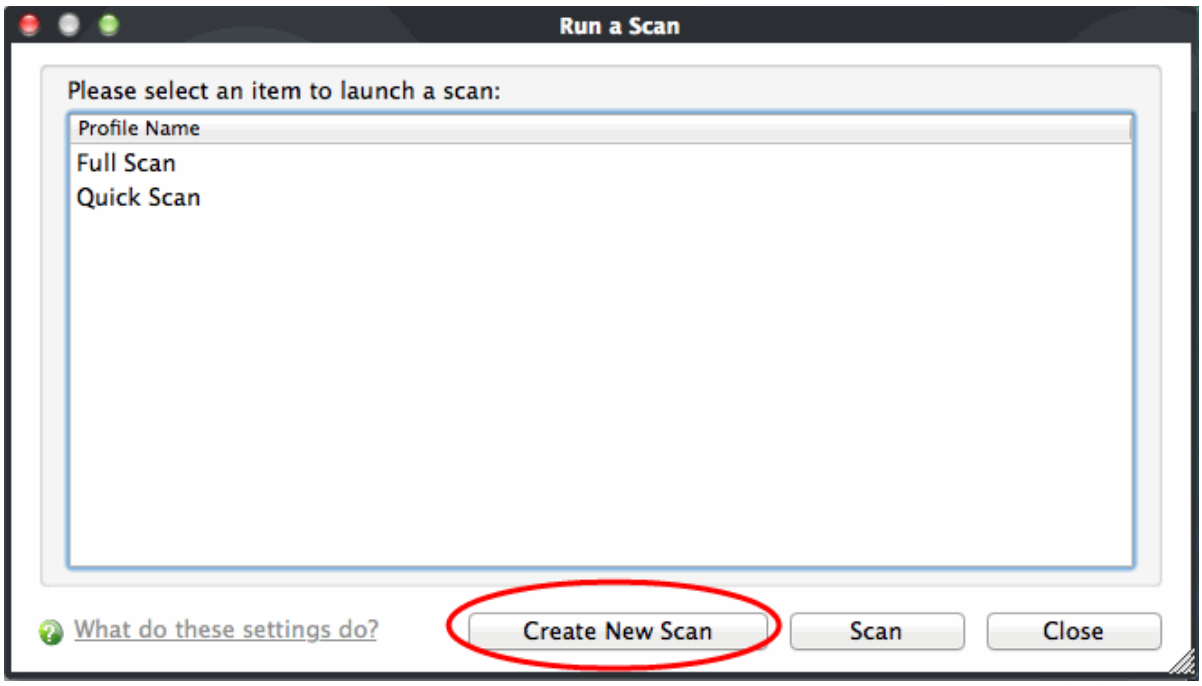
Clicking the 'Ignore' button allows you to ignore file(s) once, report the file(s) to Comodo as a false positive or create an exclusion for this file(s). If required, you can save the scan results as a text file by clicking the 'Save Results' link.

For more details on quarantined applications, refer to **Antivirus Tasks** > **Quarantined Items**

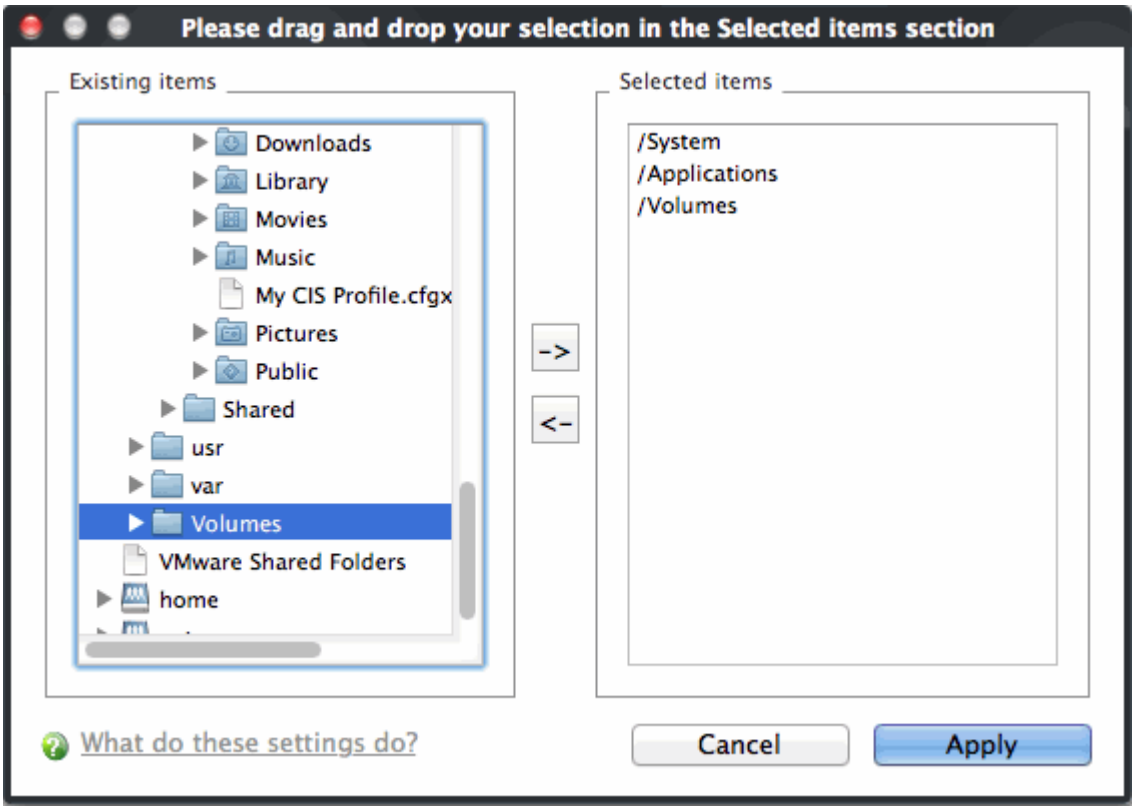
For more details on ignore options, refer to **Ignore an application/file**.

To create a new scan profile

- Click 'Create New Scan' in the 'Run a Scan' interface.



- Type a name for the scan profile to be created in the 'Name' box.
- Click 'Add'.
- Select the locations to be scanned when the newly created scan profile is selected.

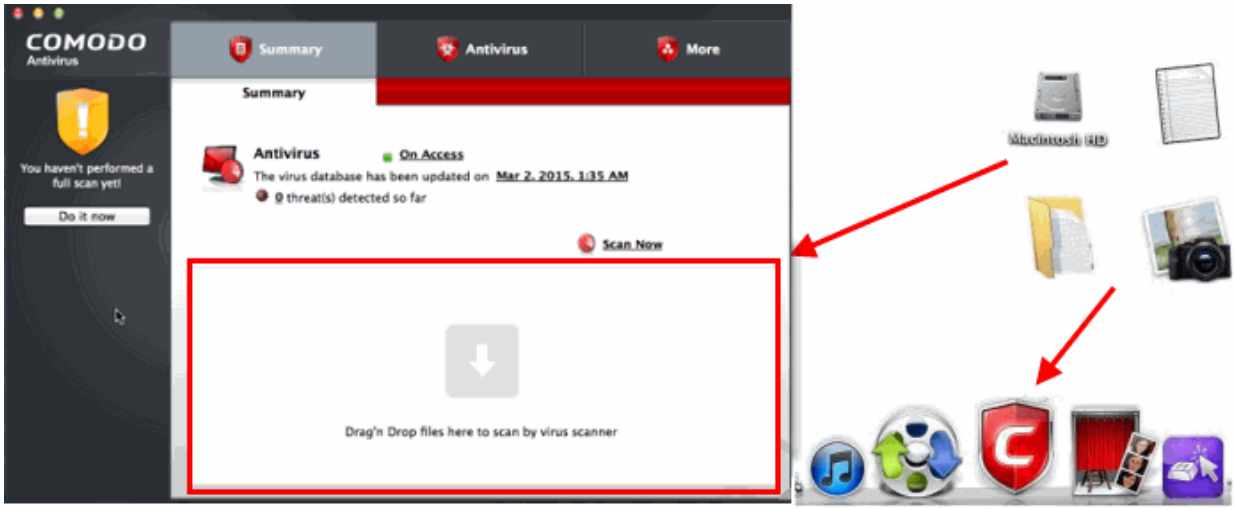


- Select the locations from the left column, drag and drop to the right column or select the locations and click right arrow to move selected folders to right column.
- Click 'Apply'.

For more details on scan create, refer to **Creating a Scan profile**.

To run an instant scan on a particular item

You can instantly virus scan virtually any file, folder, photo, application or hard-drive by simply dragging the item into the scan box on the summary screen or onto the Comodo icon on the dock.



Please refer for more details to **Starting Comodo Antivirus**. See also **how to create a Scan Schedule.**

1.8.2. How to Configure Database Updates

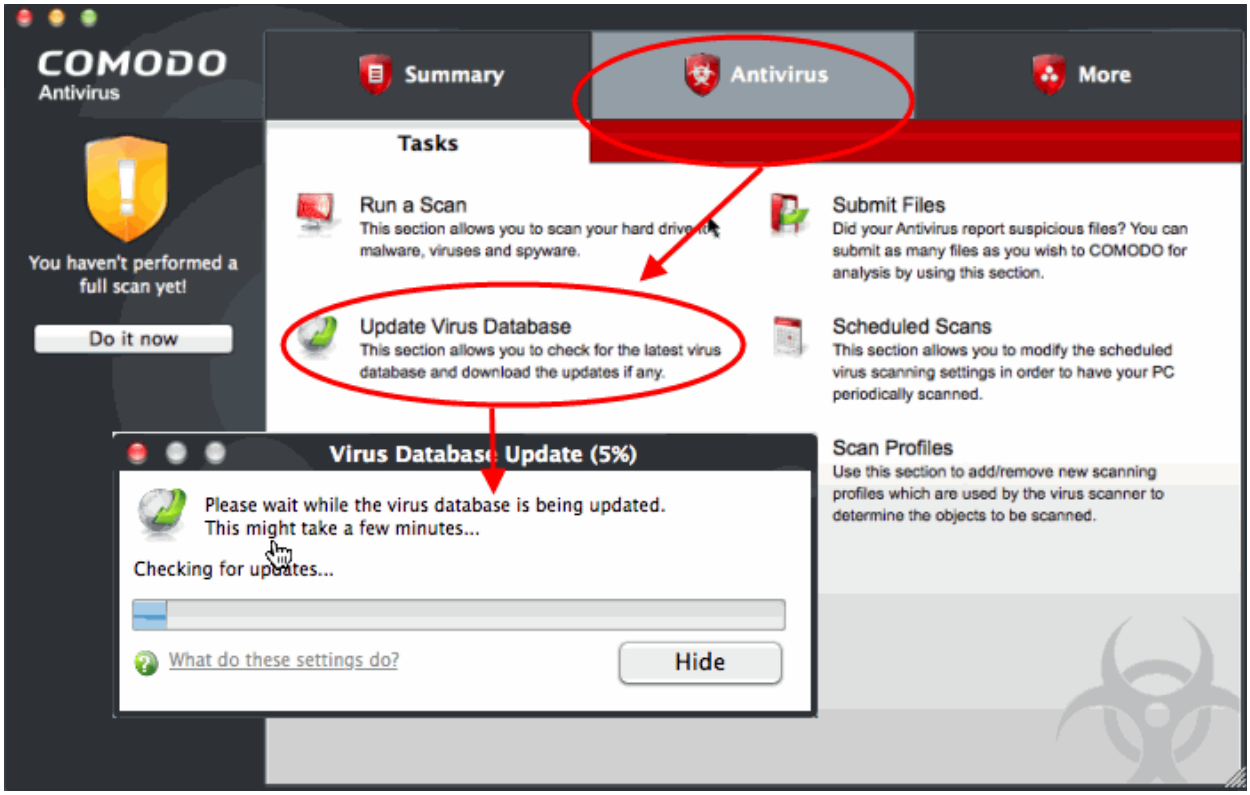
To ensure maximum security and protection against the most recent virus outbreaks, it is essential that all scans are run using the latest virus database. For this reason, it is the default policy of CAV to (1) Periodically check for and download database

updates and (2) Automatically check and update the virus database before starting any scan process. Updates can also be downloaded manually and pre-scan update checks can be disabled on a per-scanner basis.

- **To manually update the virus database**
- **To configure automatic database updates**
- **To configure pre-scan database updates**

To manually update the virus database

- Click the 'Antivirus' from the top navigation
- Click 'Update Virus Database'
- CAV will contact Comodo servers and, if available, will download and apply the update.



Note: You must be connected to the Internet to download updates.

To configure automatic database updates

To switch automatic updates ON/OFF in absolute sense:

- Click the 'Antivirus' button along the top navigation
- Click 'Scanner Settings'
- Make sure the interface is open at the 'Real Time Scanning' area
- Enable or Disable 'Automatically update virus database'

To configure pre-scan virus database updates

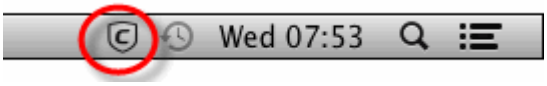
Pre-scan update checks can be switched ON/OFF on a 'per-scanner' basis for 'On Access' and 'Scheduled' scan types. To do this:

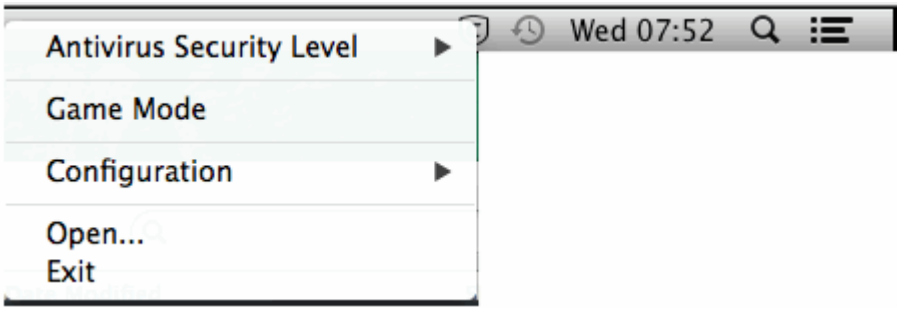
- Click 'Antivirus' from the top navigation
- Click 'Scanner Settings'
- Select either the 'On Access Scanning' or 'Scheduled Scanning' button as per requirements
- Enable or disable the 'Automatically update virus database' checkbox as per requirements

More details on these settings can be found in the '**Scanner Settings**' section of this guide.

1.8.3. How to Quickly Set up Security Levels

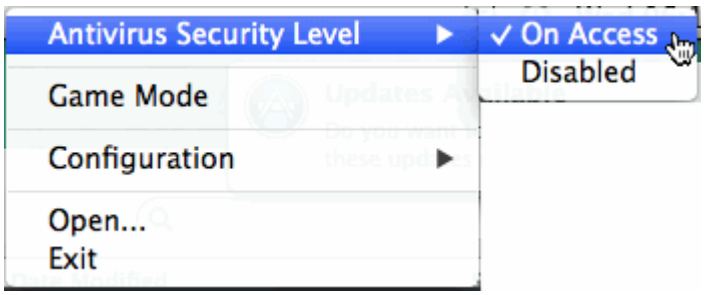
Comodo Antivirus allows users to quickly view or change the current security level by right clicking on the system tray icon:





To set the Real time Scanning level

- Right click on the system tray icon
- Move the mouse cursor over the Antivirus Security Level

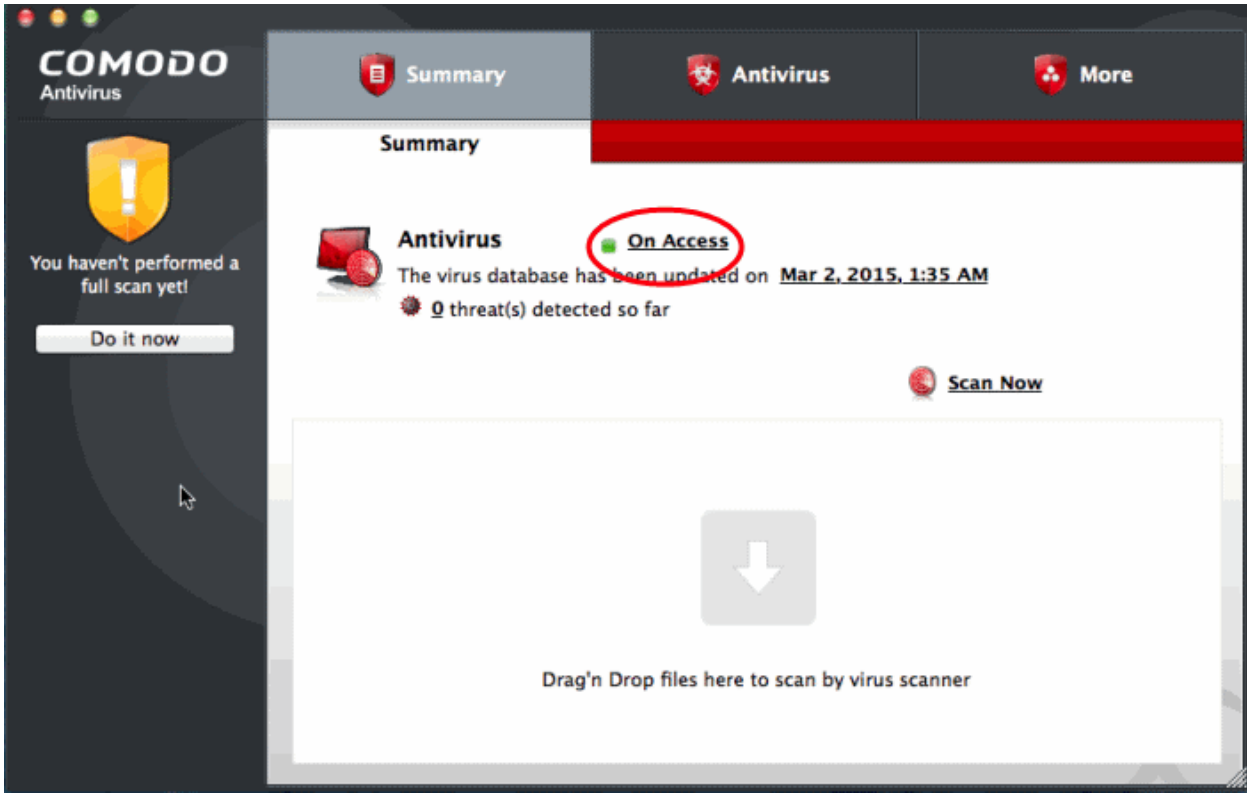


The available security levels are:

- On Access - Every file will be scanned every time a file opened. Highest protection but highest resource usage.
- Disabled - Not recommended. Files are not virus-scanned when they are opened, strongly raising the possibility that your system could get infected.

The currently active configuration is displayed with a check-mark next to it. For more details on these settings refer to **Scanner Settings** > **Real Time Scanning**.

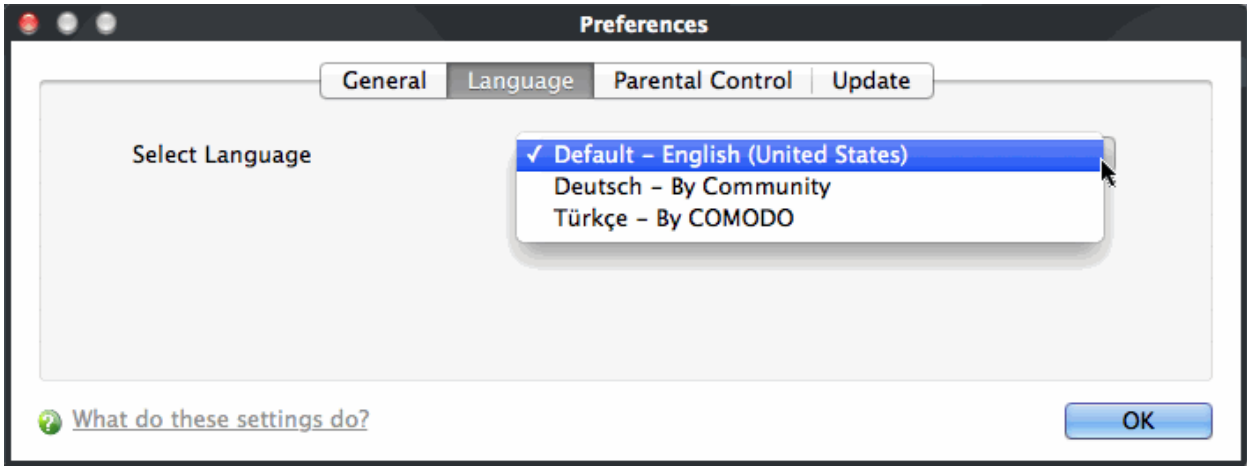
You can also access these settings through the **CAV summary screen**. In the example below, the security level is 'On Access'. Click the word to access the settings described on this page.



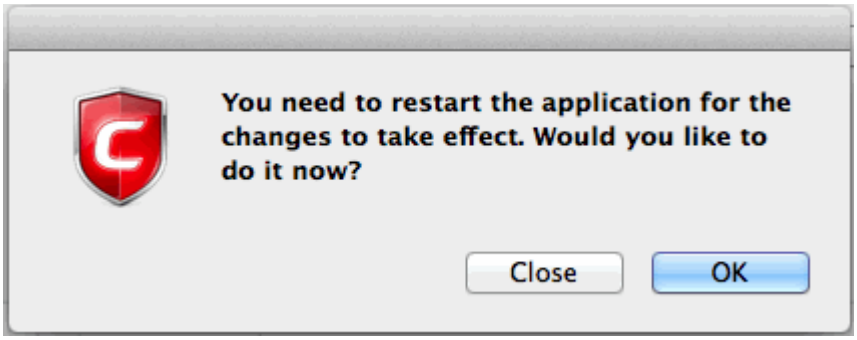
1.8.4. How to Change Comodo Antivirus Language Settings

To view or modify the language used in the Comodo Antivirus interface:

- Click the 'More' button along the top navigation
- Click 'Preferences' in the 'More' menu
- Go to "More" > "Preferences" > 'Language'
- The 'Select language' drop down contains all available language. The current language will have a check-mark next to it:



- If you change the language, click 'OK' to save your preference then restart your application to apply the changes:



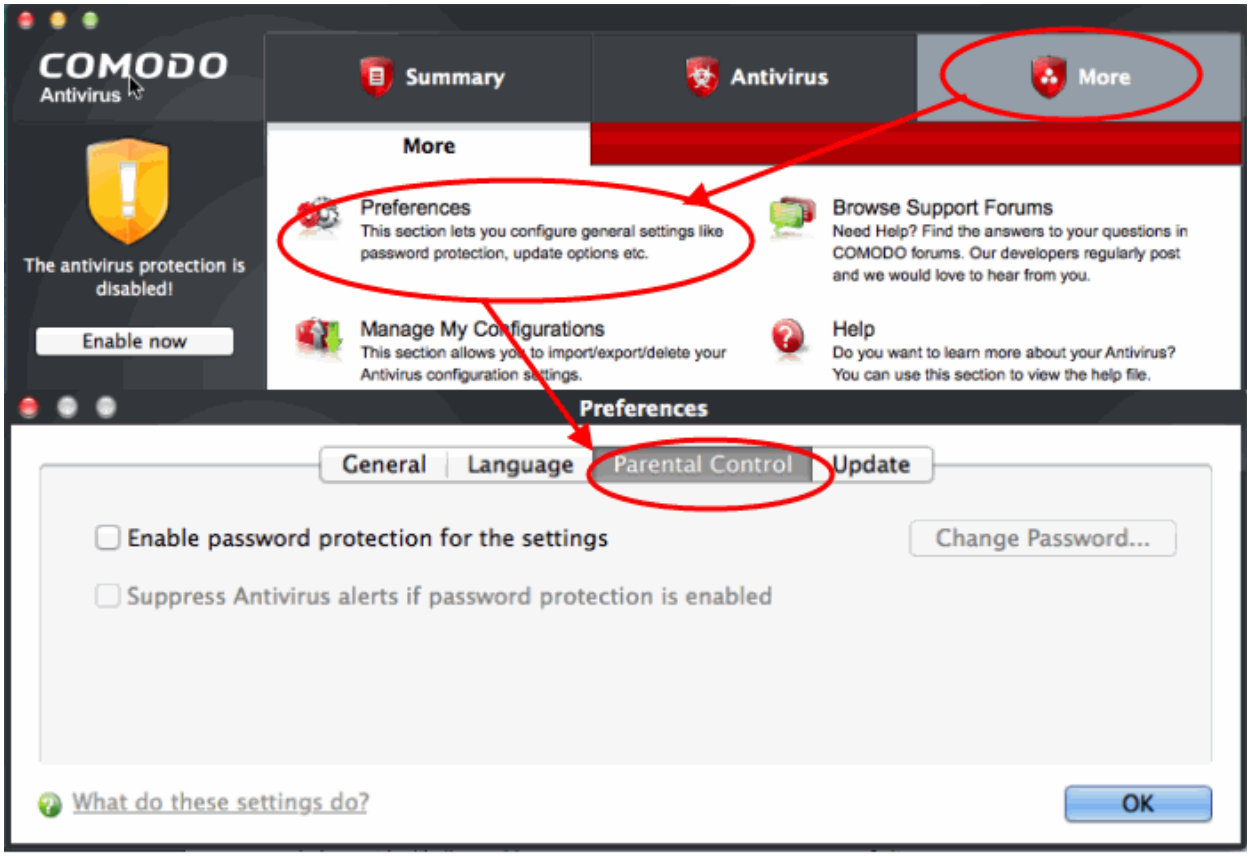
1.8.5. How to Password Protect Your CAV Settings

This page explains how to password protect access to the CAV interface. Implementing the steps explained on this page means another user will not be able to access the CAV interface to modify or over-ride the security settings you have implemented.

Click here for more details on parental control settings.

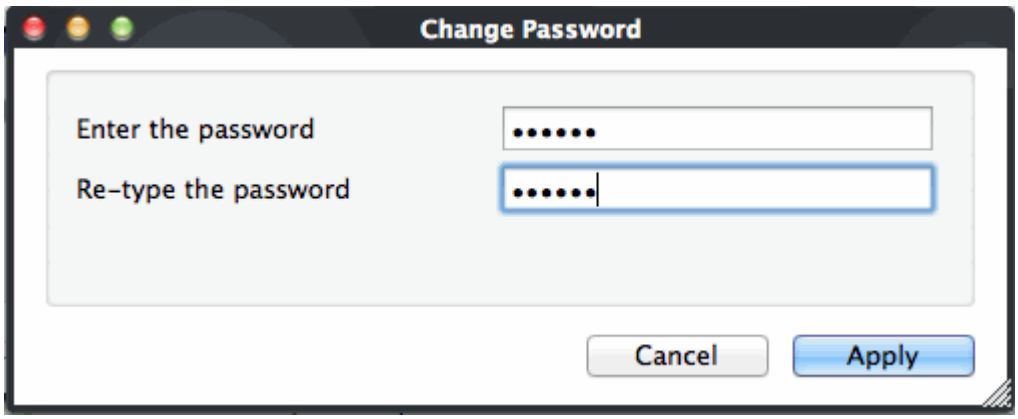
To enable password protection

- Click the 'More' button along the top navigation
- Click 'Preferences' in 'More' menu
- Click on 'Parental Control' tab



- Select 'Enable password protection for the settings' checkbox to activate password protection
- Click 'Change Password'

- In the 'Change Password' dialog, type a password and retype the password in the respective text boxes



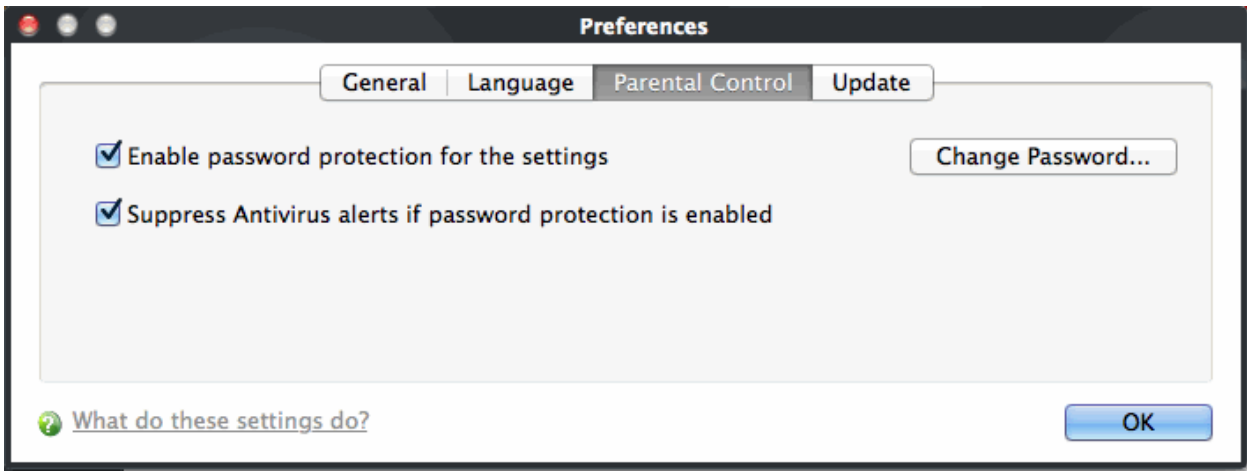
- Click 'Apply'.

Enabling password protection will secure all of your important CAV settings and configurations. After setting a password, users will be asked for this password every time they try to access important configuration of the Antivirus Tasks areas.

Suppressing alerts whilst under password protection

If password protection is enabled, you are also offered the ability to suppress alerts when password protection is enabled.

Selecting this option means potentially malicious activities will be blocked automatically, but the user will *not* be shown an alert. This avoids the situation where an inexperienced user, faced with an alert, will simply click 'Allow' to dismiss it (and inadvertently permit a malicious action).



If you choose to suppress alerts, you must remember to un-suppress them next time you log on. If you don't, then CAV will continue to silently block certain actions without notification.

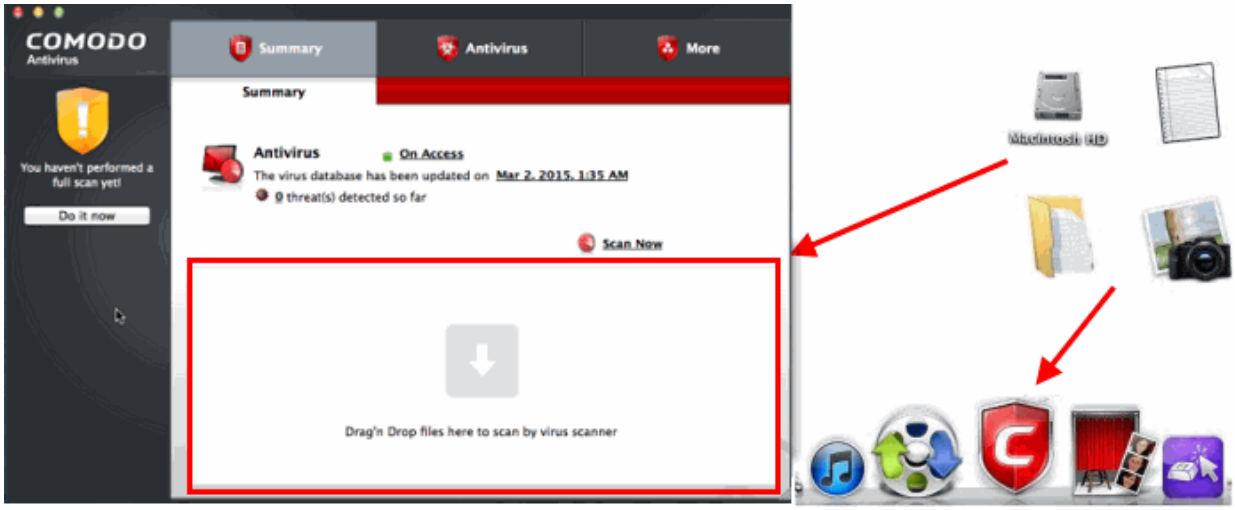
Important Notes:
Due to the fact that this configuration suppresses and blocks all alerts, certain software updates may be unable to run in this mode. A good idea is to create a preset configuration (called "Updater Configuration" for example), and configure it to allow all of your updaters to install smoothly. This way, when switching to this configuration, you can perform maintenance on your computer, and afterward, switch it back to the parental configuration (which suppresses all alerts) so no one else can make changes. This method would prove very useful for tasks such as Microsoft Windows service pack updates. Refer to '**Manage My Configurations**' to know more about preset configurations.

1.8.6. How to Run an Instant Antivirus Scan on Selected Items

You can instantly virus scan virtually any file, folder, photo, application or hard-drive by simply dragging the item into the scan box on the summary screen or onto the Comodo icon on the dock.

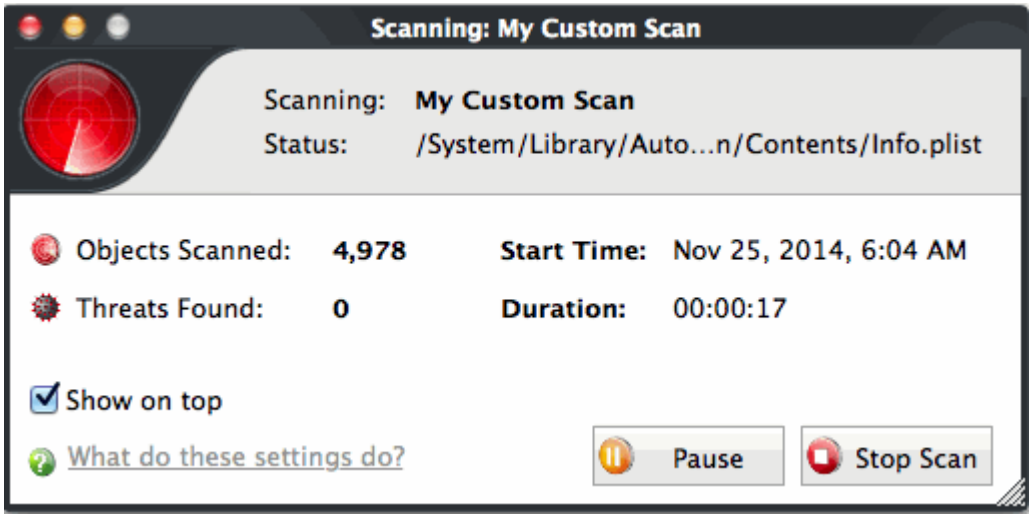
To scan selected item(s):

Drag the item(s) into the scan box in the summary screen of the CAV interface. If the CAV is not running, drag the item(s) on to the Comodo icon on the dock.



Before running the scan, Comodo Antivirus will first check for AV database updates. If updates are available they will be downloaded and installed:

Scanning will commence immediately after the updates are installed.



On scan completion, the results screen will list the name and risk level of all threats found.

Click here for help on how to react if infected item(s) are found.

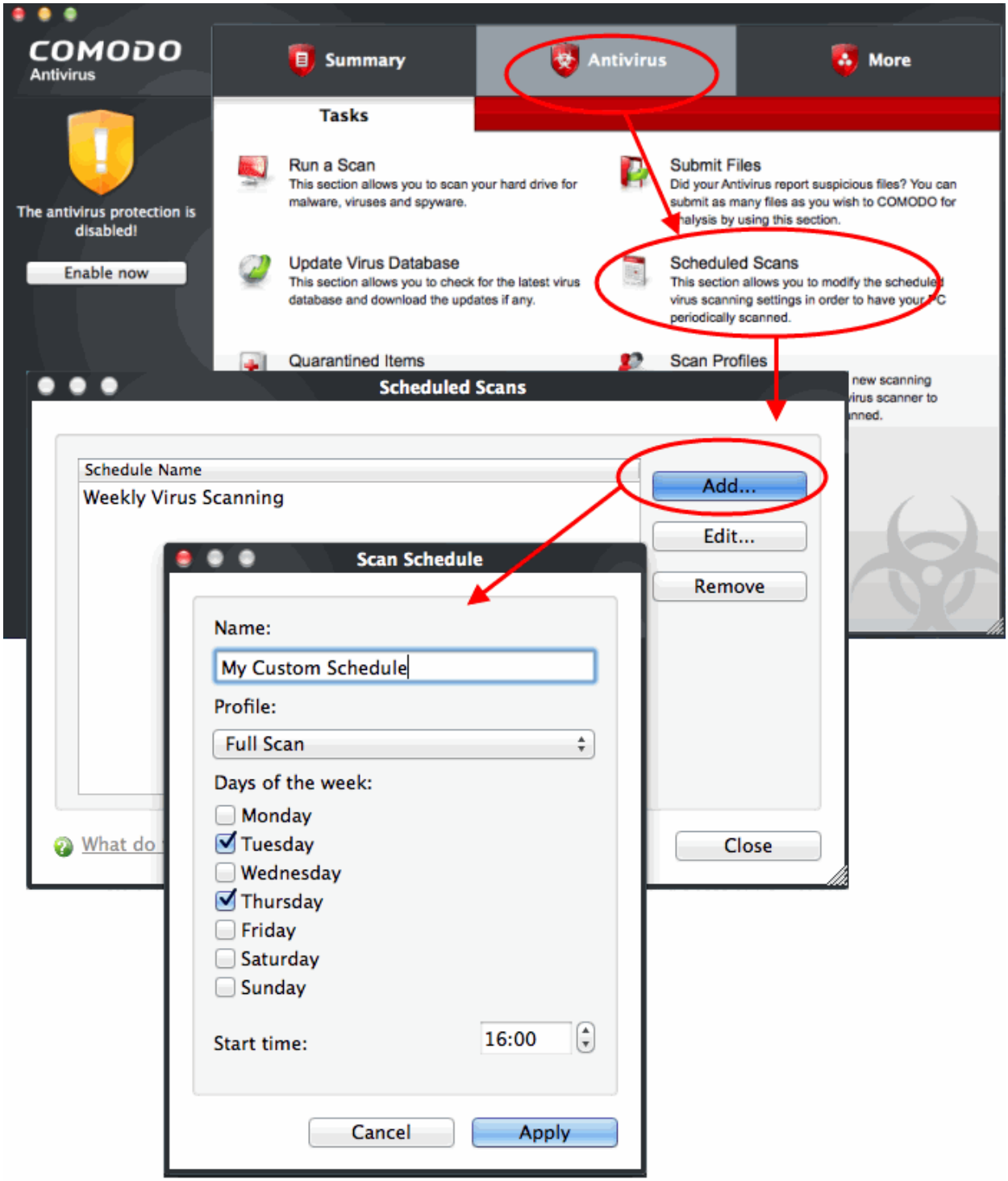
1.8.7. How to Create a Scheduled Scan

Comodo Antivirus allows you to schedule Antivirus scans on your entire system or on specific areas according to your preferences.

To create an antivirus scanning schedule

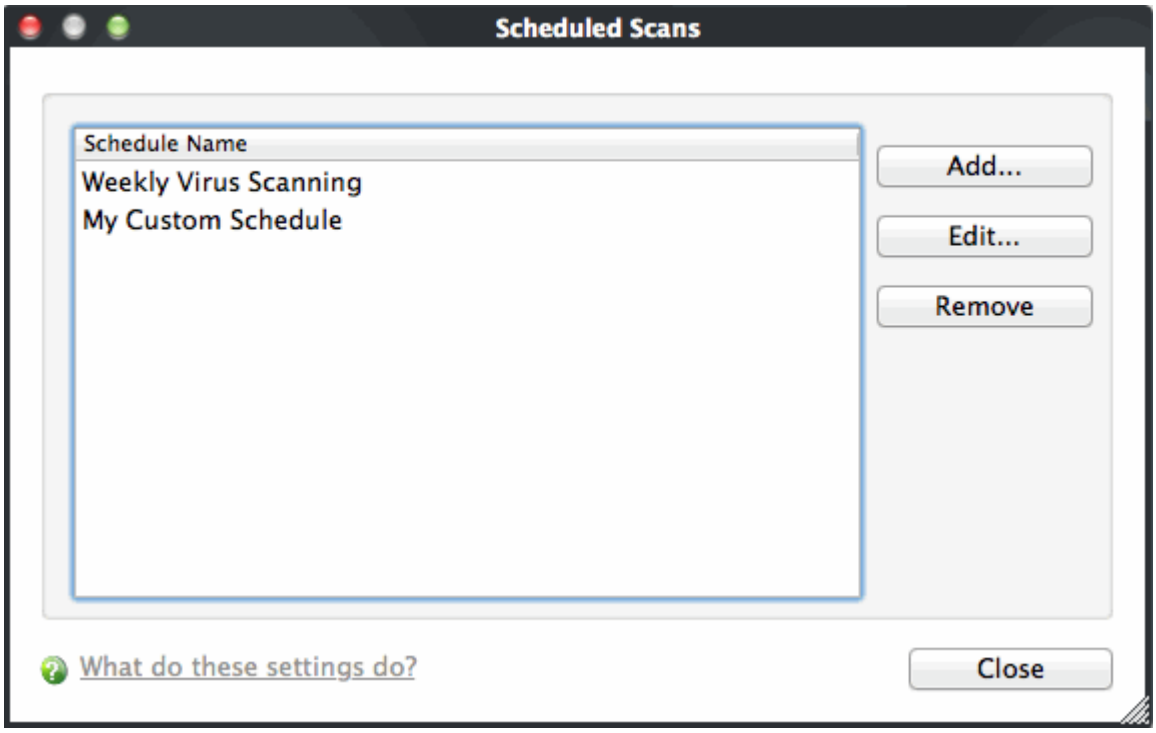
- Click the 'Antivirus' button along the top navigation

- Click 'Scheduled Scans' in the Antivirus menu
- Click the 'Add' button to begin creating your schedule
- Type a name for your schedule in the text box



- Select a scanning profile from the Profile drop-down menu. Selecting a scanning profile will define the areas in your computer to be scanned during this schedule. For more details on Scanning profiles, refer to Antivirus Tasks > Scan Profiles.
- Select the day(s) (Monday to Sunday) when you want the scan to run
- Select the time of the day when the scheduled scan should start.
- Click 'Apply'.

Your new scan schedule will be listed in the 'Scheduled Scans' interface. You can modify or remove it at any time by clicking the 'Edit...' or Remove button.



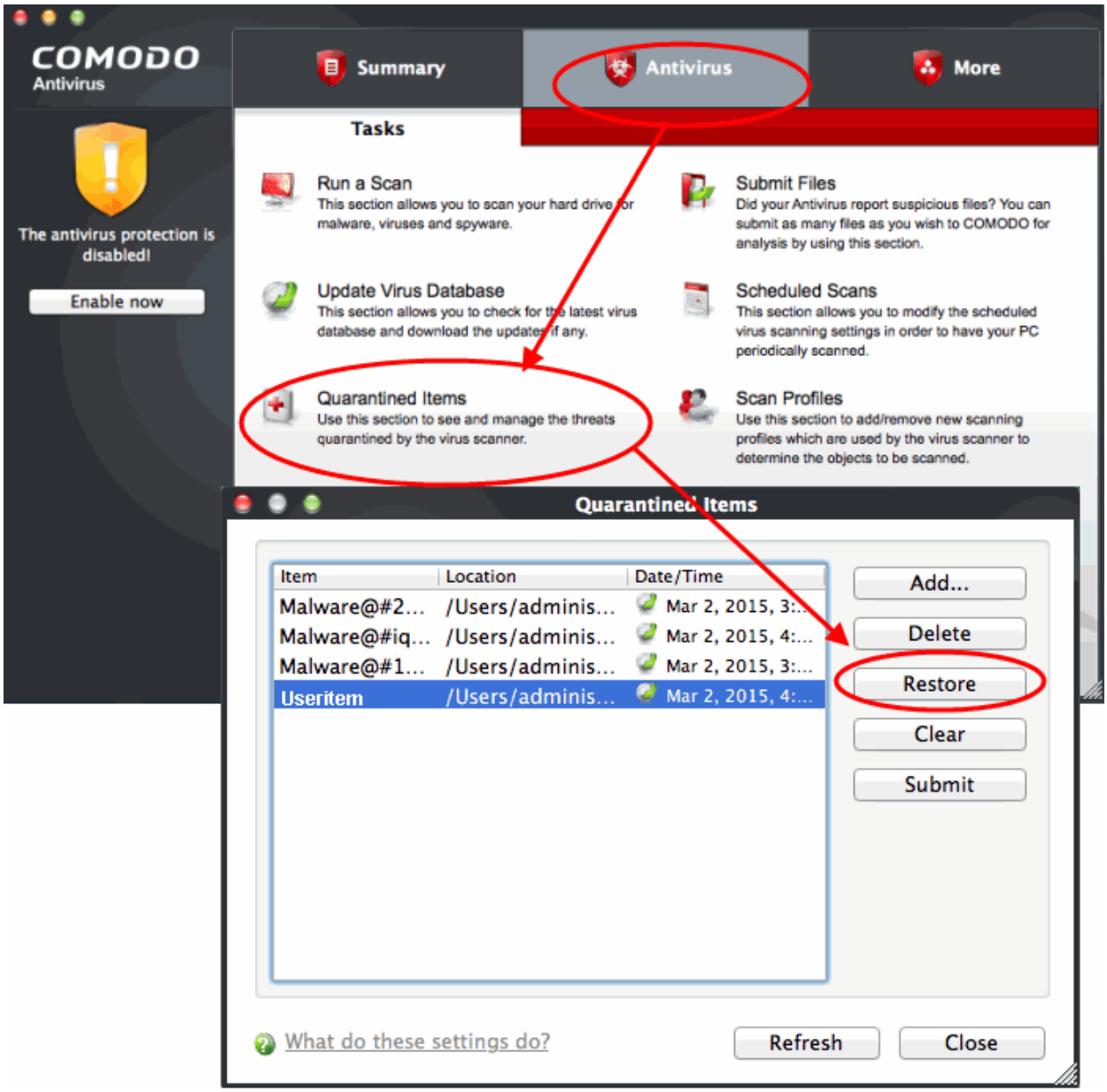
Repeat the process to add new scan schedules.

For more details on the Scheduled Scans, refer to **Antivirus Tasks** > **Scheduled Scans**.

1.8.8. How to Restore Incorrectly Quarantined Item(s)

If you have incorrectly quarantined item(s) or you feel an item has been incorrectly quarantined by the application (a false positive) then you can restore it/them using the following procedure:

- Click the 'Antivirus' button from the top navigation and click 'Quarantined Items' in the 'Antivirus Tasks interface
- Select the items you wish to restore from the 'Quarantined Items'. For selecting multiple items, press and hold down the CTRL key.



- Click 'Restore' to begin restoring the item(s).

All the selected files will be restored to their original locations immediately.

- Click 'Close' button to exit.

Click here for more details on the Quarantined Items.

1.8.9. How to Submit Quarantined Items to Comodo for Analysis

Items which have been quarantined as a result of an On Access, On Demand or Scheduled Scans, can be sent to Comodo for analysis. After the analysis, if the submitted item is found to be a False Positive, it will be added to the Comodo Safe List. Conversely, if it is found to be malware, it will be added to the black-list of virus signatures. This helps Comodo to enhance its virus signature database and helps benefit millions of other CAV users.

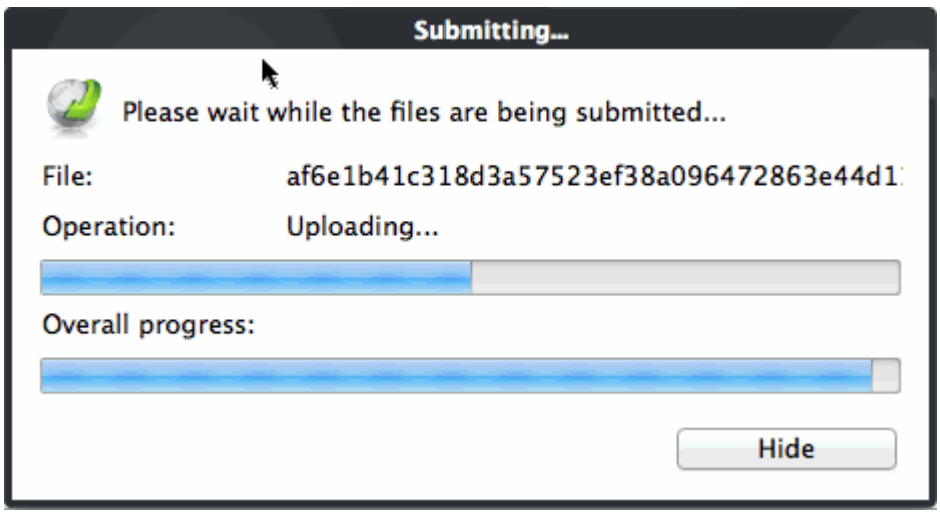
Click here for more details on Quarantined Items.

To submit quarantined items

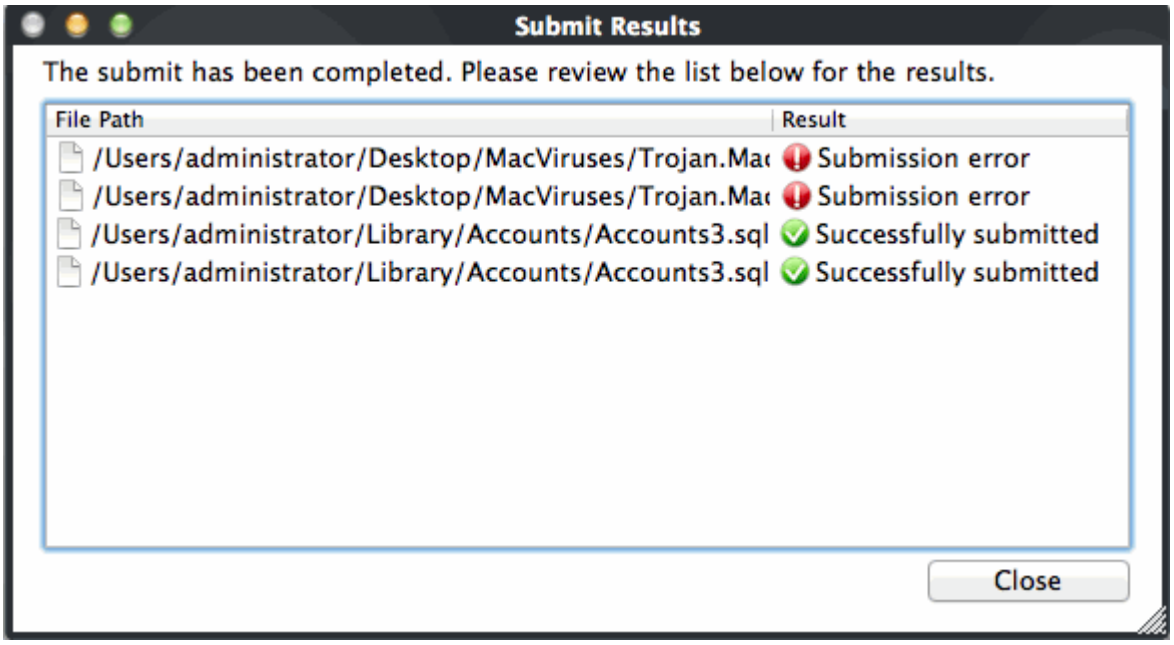
- Click the 'Antivirus' button on the top navigation then click 'Quarantined Items'
- Select the items you wish to submit for analysis from the 'Quarantined Items' interface. To select multiple items, press and hold down the «COMMAND» key for MAC OS X

- Click 'Submit'

The submission progress will be indicated:



On completion, the submission results will be displayed along with a result informing you whether the submission was successful or not.



1.8.10. How to Switch off Automatic Software and Antivirus Updates

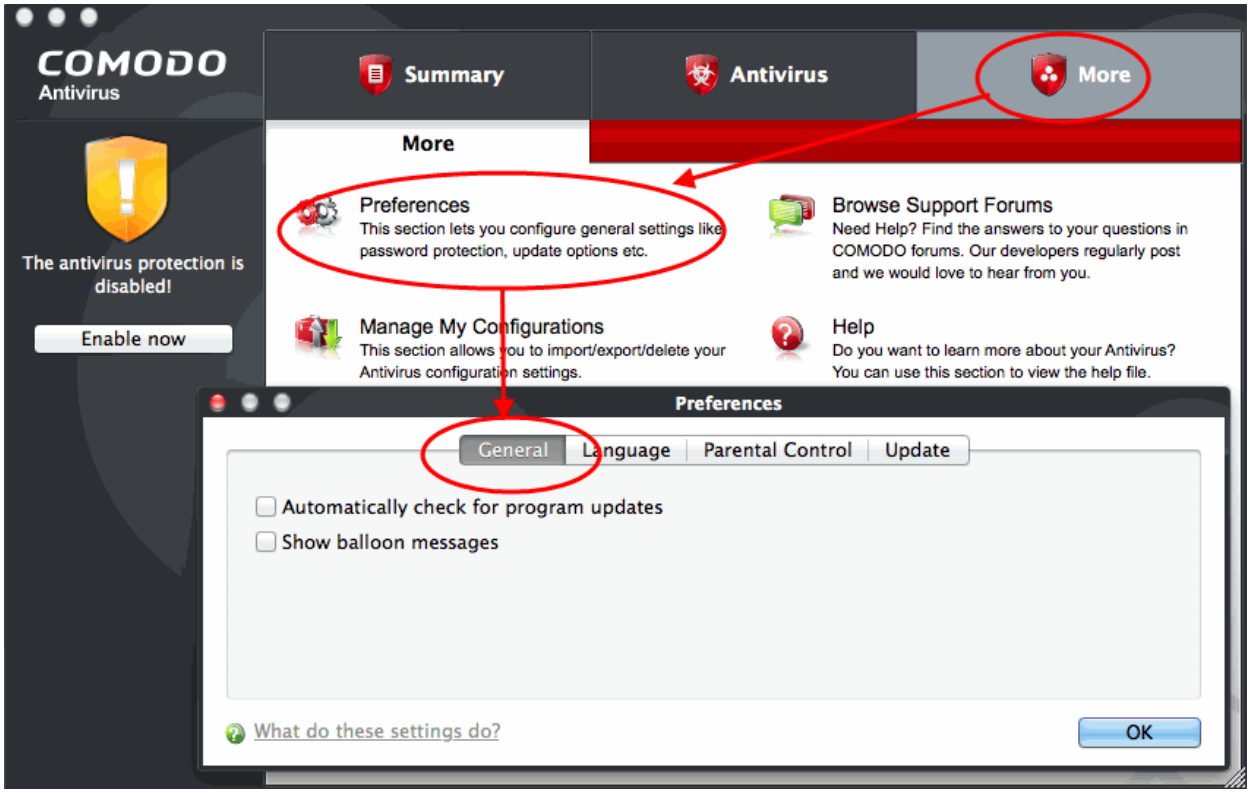
By default, Comodo Antivirus will automatically checks for software and virus database updates. However, some users like to have control over what gets downloaded and when it gets downloaded. For example, network administrators may not wish to automatically download because it will take up to much bandwidth during the day. Similarly, users that have particularly heavy traffic loads may not want automatic updates because they conflict with their other download/upload activity.

CAV provides full control over virus and software updates. Click the appropriate link below to find out more:

- **Switch off automatic software updates**
- **Switch off automatic virus updates**

To switch off automatic software updates:

- Click the 'More' button from the top navigation and click 'Preferences' link from the 'More' Tasks interface.
- Click 'General' tab from the 'Preferences' interface.
- Deselect the check box 'Automatically check for program updates'.



- Click 'OK'.

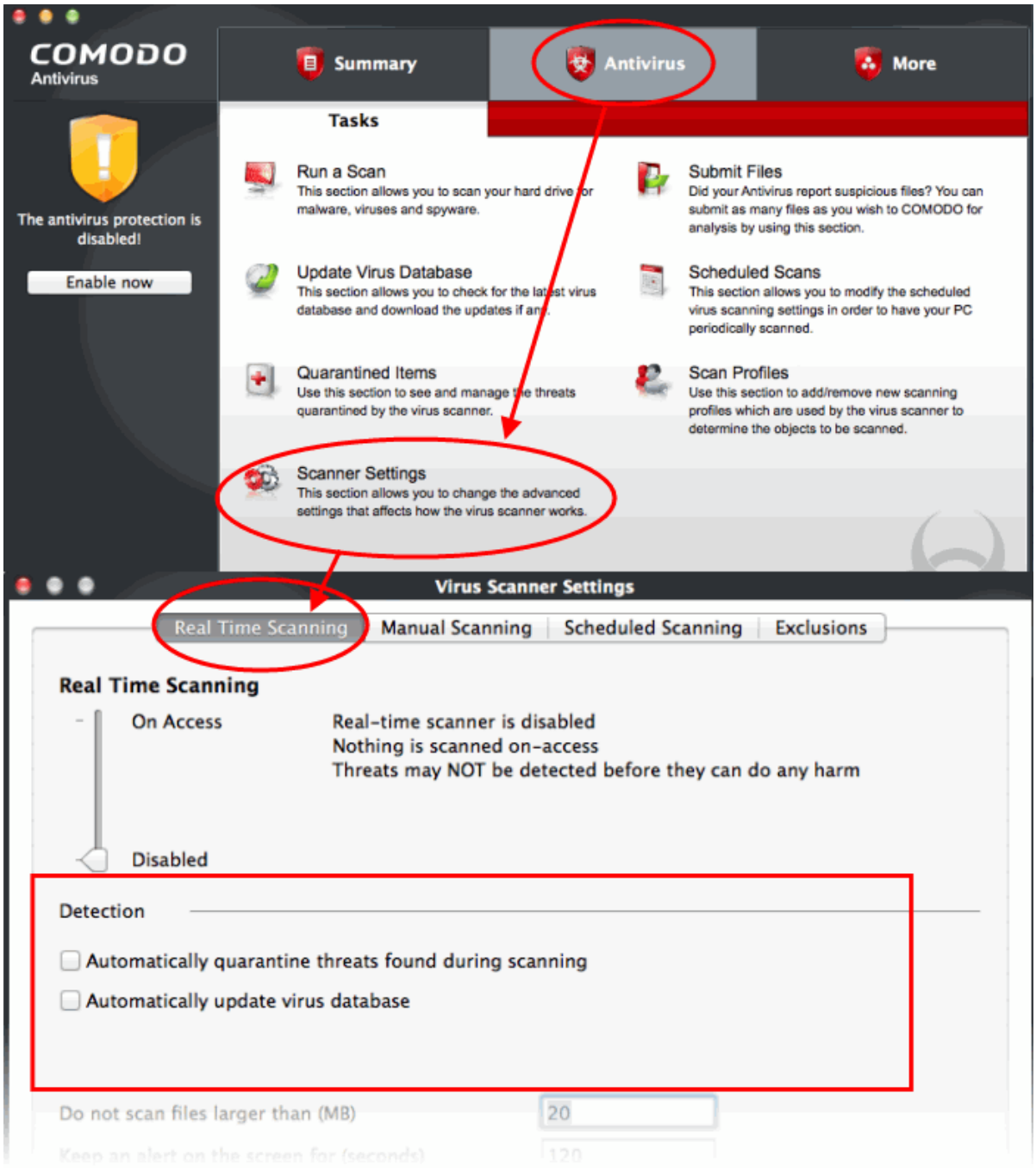
To switch off automatic Antivirus database updates:

Automatic virus updates can be completely switched off, or can be switched off for individual scans. Click the link appropriate to your requirements:

- **Switch off automatic virus updates**
- **Switch off updates prior to a Manual Scan**
- **Switch off updates prior to a Scheduled scan**

To Switch off automatic virus database updates

- Click the 'Antivirus' button from the top navigation and click 'Scanner Settings' from the Antivirus Tasks interface.
- Click the 'Real Time Scanning' tab from the 'Scanner Settings' interface.
- De-select the checkbox 'Automatically update virus database'.

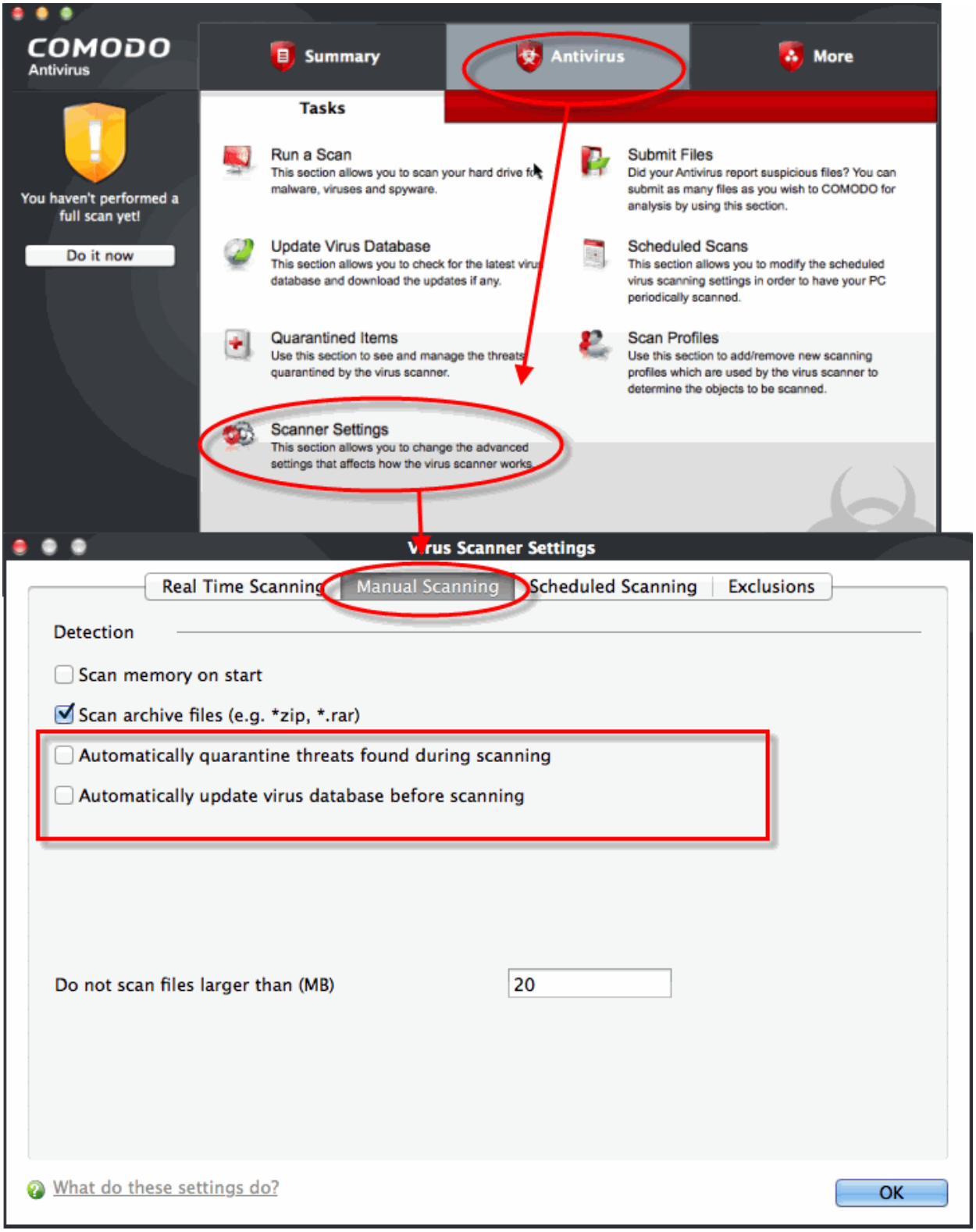


- Click 'OK'.

Comodo Antivirus will no longer automatically check for or download database updates.

To switch off virus database updates prior to a Manual Scan

- Click the 'Antivirus' button from the top navigation and click 'Scanner Settings' from the Antivirus Tasks interface.
- Click the 'Manual Scanning' tab from the 'Scanner Settings' interface.
- Deselect the checkbox 'Automatically update the virus database before scanning'.

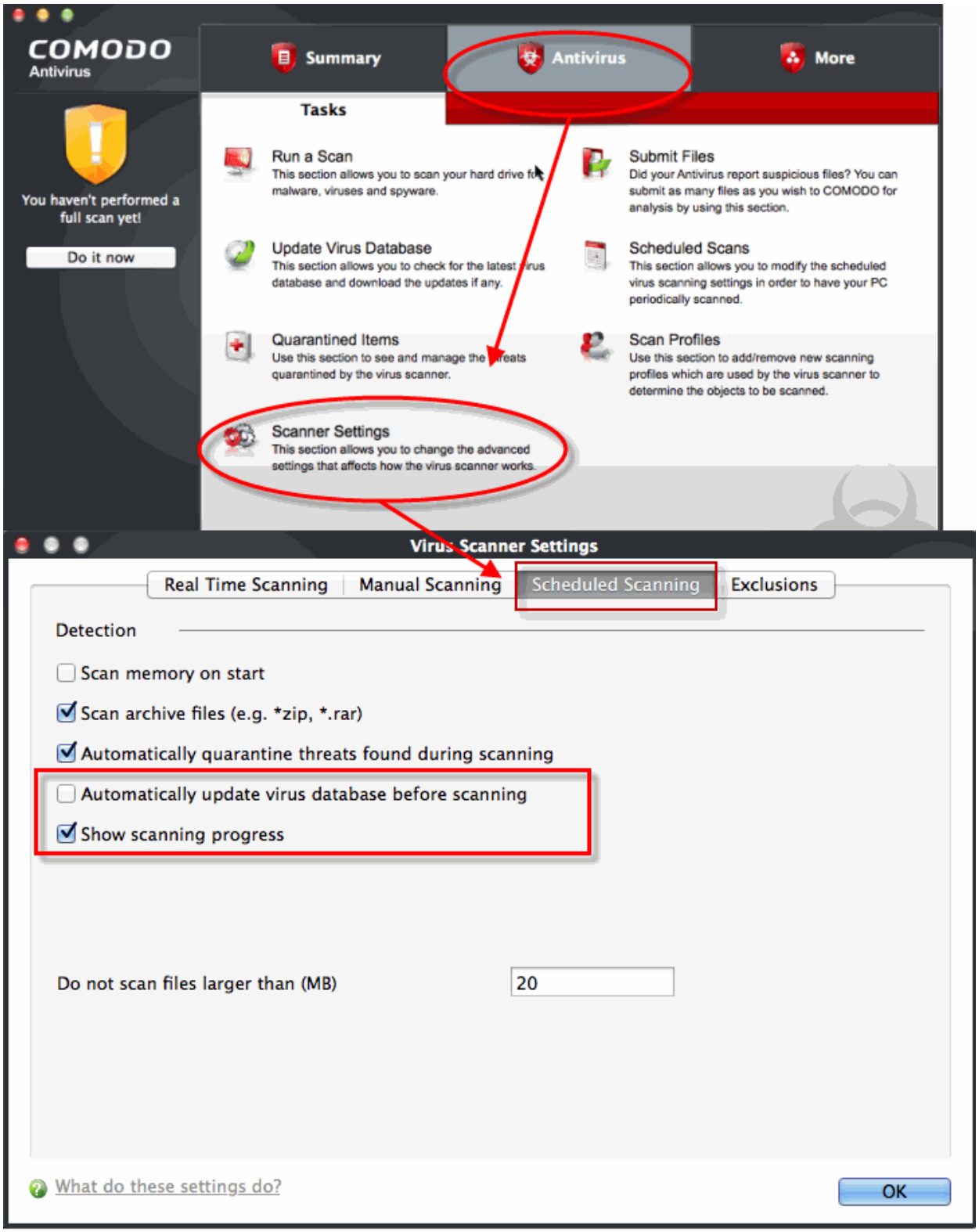


- Click 'OK'.

The check and download of automatic Antivirus database updates executed before every on-demand or manual scanning will be stopped.

To switch off virus database updates prior to a Scheduled Scan

- Click the 'Antivirus' button from the top navigation and click 'Scanner Settings' from the Antivirus Tasks interface.
- Click the ' Scheduled Scanning' tab from the 'Scanner Settings' interface.
- De-select the checkbox 'Automatically update the virus database before scanning'.



- Click 'OK'.

Comodo Antivirus will no longer automatically check for an download database updates prior to running a scan.

1.8.11. How to Temporarily Suppress Alerts while Playing a Game

Placing CAV in 'Game Mode' will temporarily disable alerts from appearing. Scheduled virus scans and database updates are also postponed until this mode is disabled.

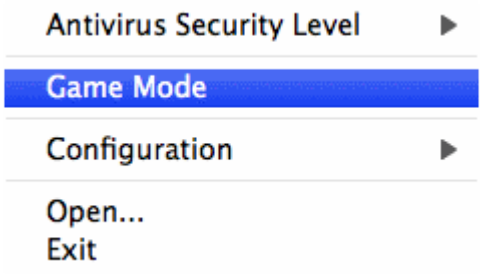
Note: Antivirus protection is still active and your protection is not impacted by 'Game Mode'. All that happens is that alerts will

not be generated so your game is not interrupted.

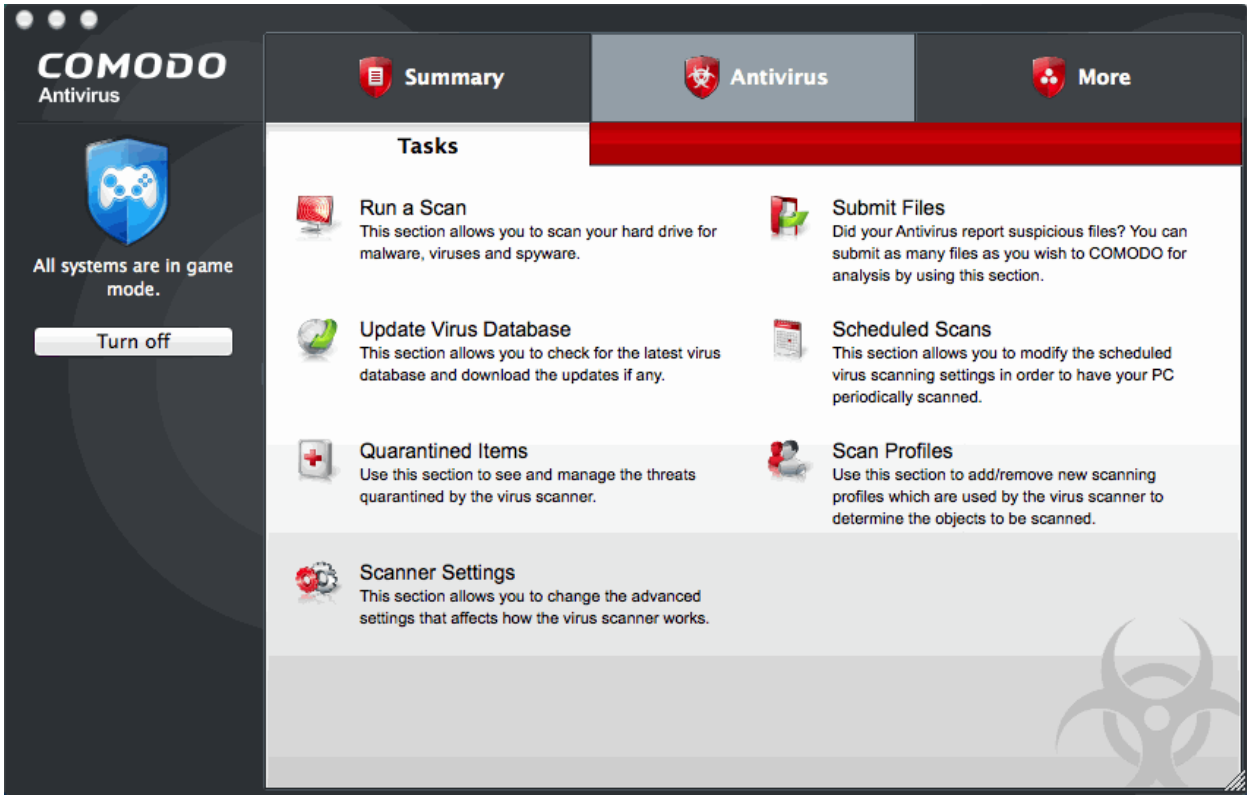
To enable game mode

- Right click on the CAV System Tray icon.

- Select 'Game Mode' from the options.



The alerts are now suppressed. Scheduled scans and virus database updates will not resume until this mode is de-activated.



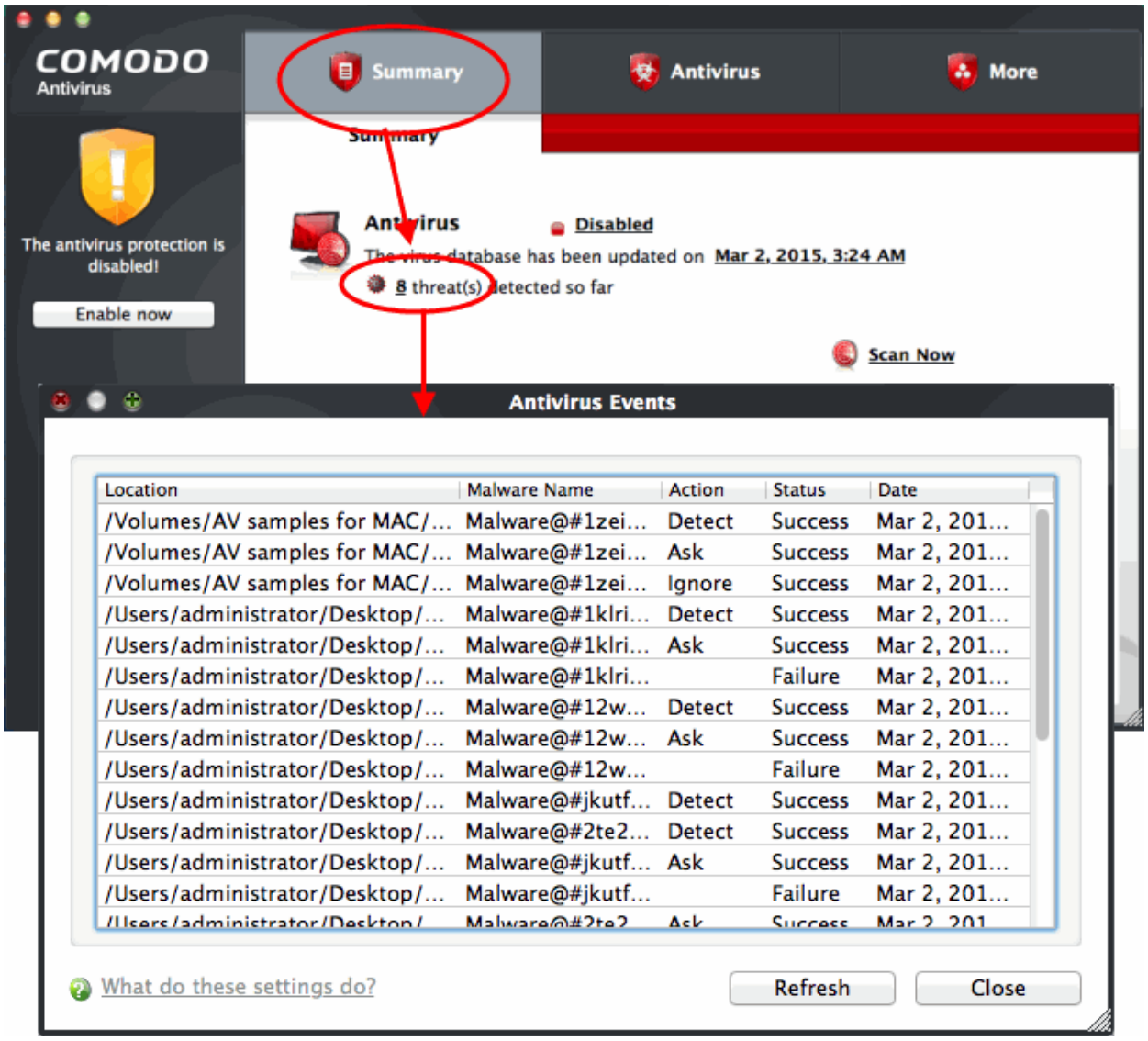
1.8.12. How to View Antivirus Events

The 'View AntiVirus Events' module contains extensive logs of all actions taken by the virus scanner. The basic event viewer will tell you the date and time a particular virus was detected, where it was located and the action that was taken to deal with it.

To view Antivirus Events

- Click the '<number> of threats detected so far' from the main Antivirus Task Manager screen.

The basic event viewer displays the date, time and status of each antivirus event.



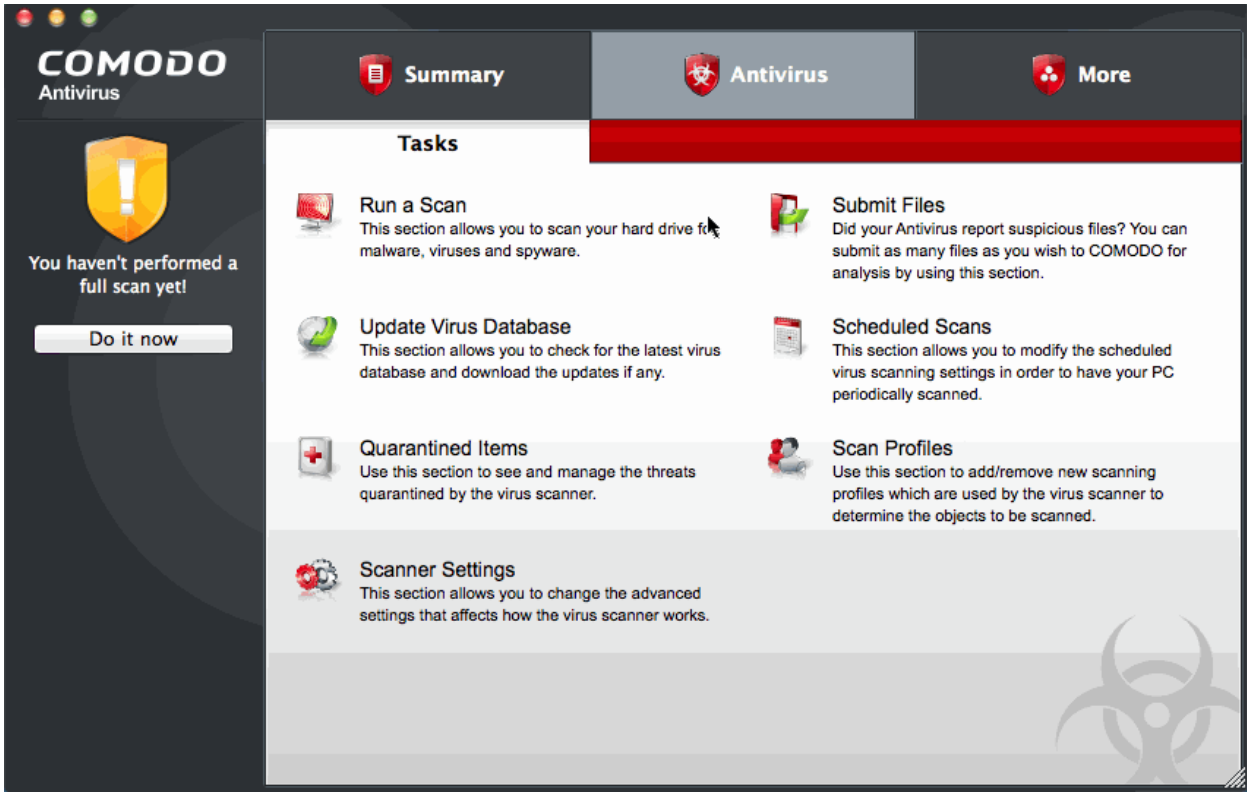
Click **View Antivirus Events** section for more detailed information.

2. Antivirus Tasks - Introduction

The Antivirus Task Center allows you to run custom, on-demand virus scans and to configure how you want the antivirus scanner to behave.

This area also allows you to alter scan settings for each scan type and to use the fully featured scheduler to run scans according to a time table of your choice. Other features include the ability to create custom scan profiles, view/export event logs, specify update settings, submit files for analysis and to view any quarantined files.

- The Antivirus tasks center can be accessed at all times by clicking the 'Antivirus' tab.

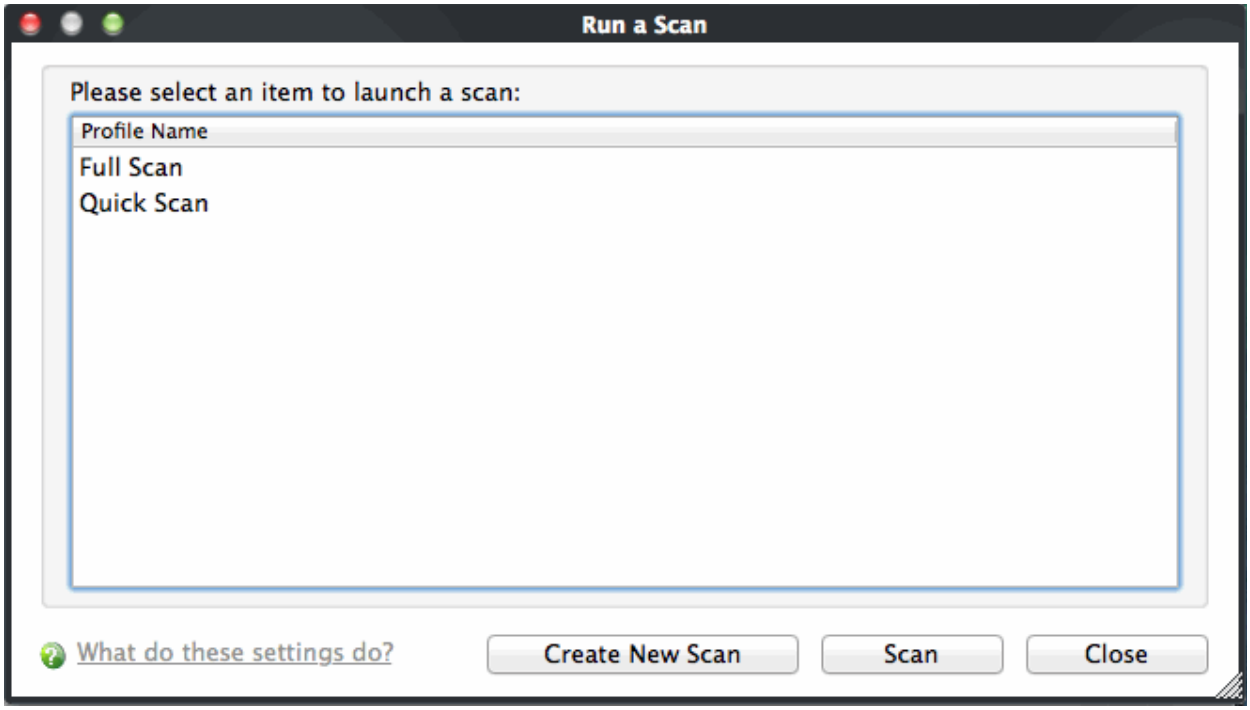


Click the links below to see detailed explanations of each area in this section.

- **Run a Scan**
- **Update Virus Database**
- **Quarantined Items**
- **Scanner Settings**
- **Submit Files**
- **Scheduled Scans**
- **Scan Profiles**

2.1. Run a Scan

The 'Run a Scan' area allows you to launch an **On-Demand Scan** on an item of your choice. The item can be anything you choose – your entire computer, a specific drive or partition or even a single file. You can also choose to scan a wide range of removable storage devices such as CD's, DVD's, external hard-drives, USB connected drives, digital cameras and more.



You have two options available when you choose to run an On-Demand Scan:

1. Scan a **preselected area**
2. Define a **custom scan** of the areas you choose.

Scanning Preselected Areas

Comodo Antivirus has two pre-defined scan profiles – Full Scan and 'Quick Scan'. These cannot be edited or removed. They are:

i. **Full Scan** - When this profile is selected, Comodo Antivirus scans every local drive, folder and file on your system including external devices, storage drives, digital cameras.
ii. **Quick Scan** - When this profile is selected, Comodo Antivirus runs a scan of important operating system files and folders including system memory, auto-run entries, hidden services.

To run one of these profiles, simply highlight it from the list and click 'Scan' (or just double-click the profile name).

Custom Scan

To run a scan on a particular item of your choosing, you first need to create a scan profile. To do this:

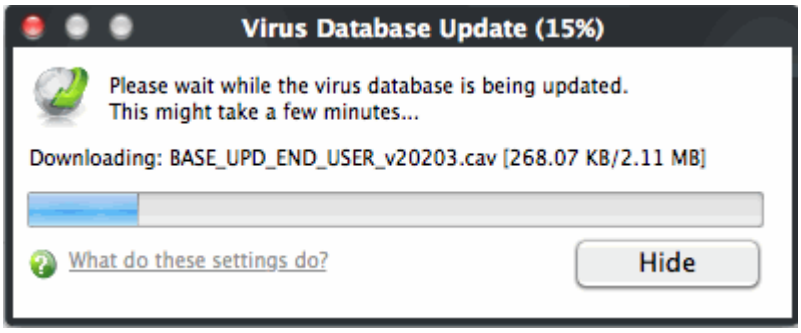
- Click the 'Create New Scan' button
- Type a name for your new profile in the 'Scan Profile' dialog (for example, 'My External Drives')
- Click the 'Add' button to choose the files, folders or drives you wish to include in the scan profile. You can select multiple items
- Click 'Apply' to return to the 'Scan Profile' dialog then 'Apply' again. Your new profile will be listed in the 'Run a Scan' dialog (see **Create a Scan Profile** if you need more help with this).
- Select your new profile in the list and click 'Scan'
- Your scan will begin. Next, see:
  - **Scan progress and results**
  - **The results window**
  - **Saving results as a text file**
  - **Removing selected items**
  - **Moving threats to quarantine**
  - **Disinfecting/deleting threats**
  - **Ignore a result once / Ignore and report as false positive / Ignore and create an exception**

Tip: If you just want to run a quick scan on a file or folder, you can just drag it into the scan box in the 'Summary' area or, if the interface is not open, by dragging it onto the Comodo dock icon.

Tip: For more details on Scan profiles, refer to **Antivirus Tasks > Scan Profiles.**

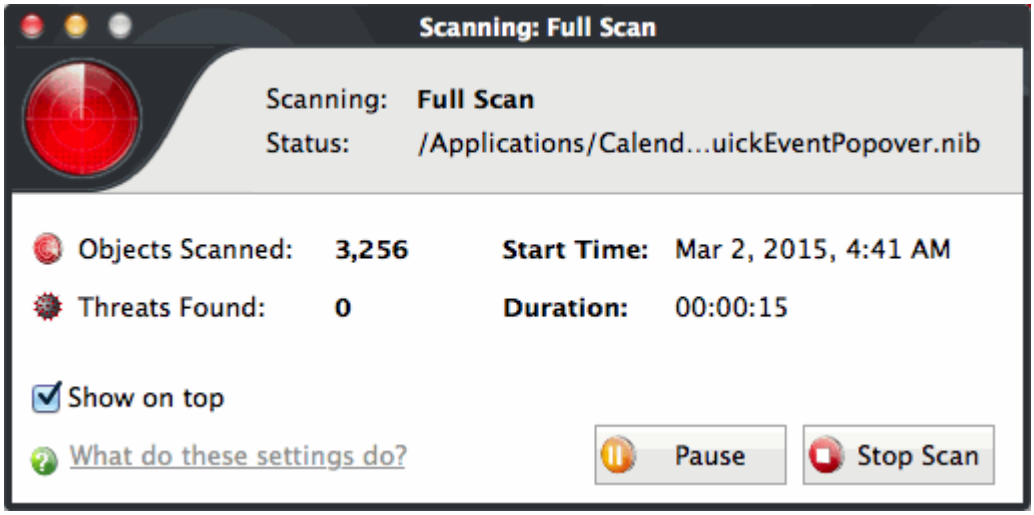
Scan progress and results

Before running the scan, Comodo Antivirus will first check for AV database updates. If updates are available they will be downloaded and installed.



The scan, based on the profile you selected, will begin immediately after updates have been installed. The progress dialog displays the profile name, the location that is currently being scanned, the start time and duration of the scan, the total number of objects scanned so far and the number of threats found.

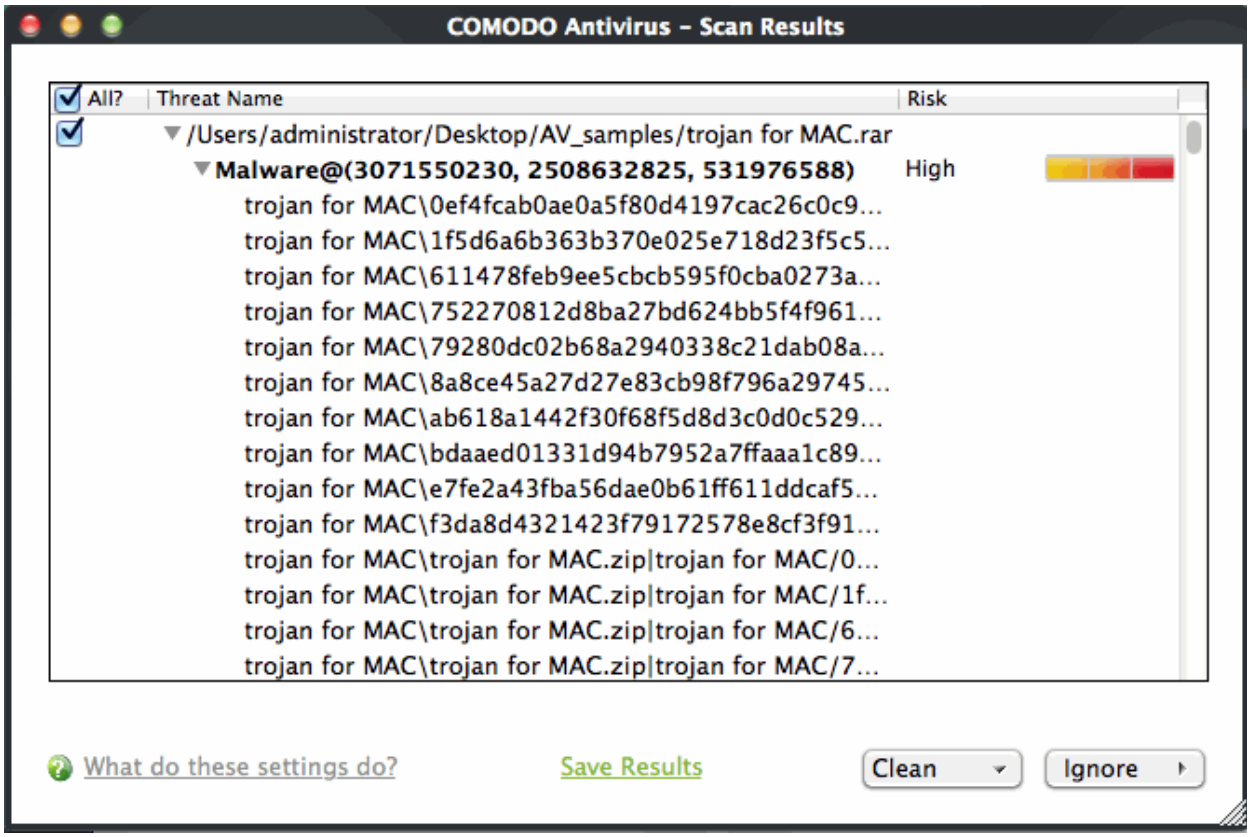
Clicking the 'Pause' button will suspend the scan until such time that you click 'Resume'. Click 'Stop Scan' to abort the scan process altogether.



Once the scan is complete, the results window will open:

The Results Window

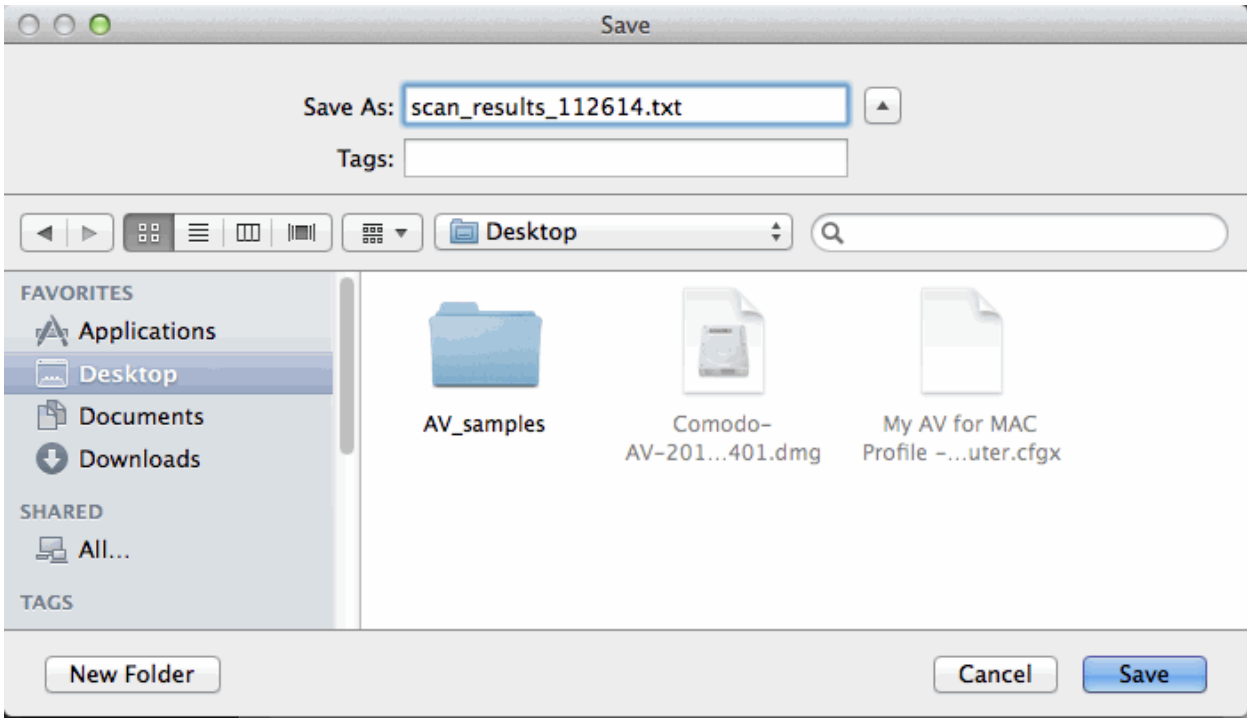
On scan completion, the results screen will list the name and risk level of all threats found:



You can sort the results alphabetically by clicking the 'Threat Name' column header. Similarly you can sort the scan results based on the risk level by clicking the 'Risk' column header. To select all the entries for actions such as moving them to quarantine or disinfect, select the check box beside the 'Threat name'.

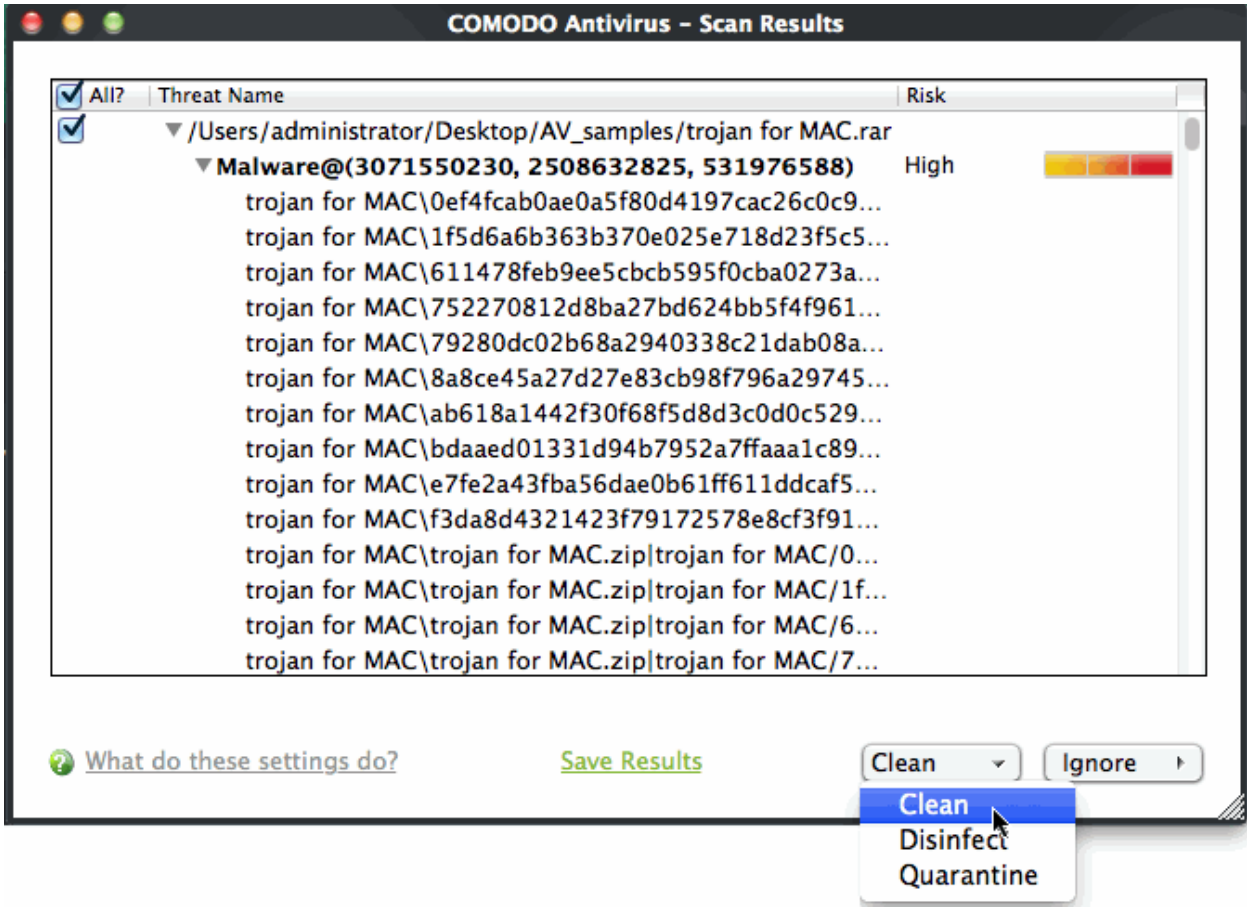
To save the Scan Results as a Text File

1. Click 'Save' and enter the location in the 'Save' dialog box.

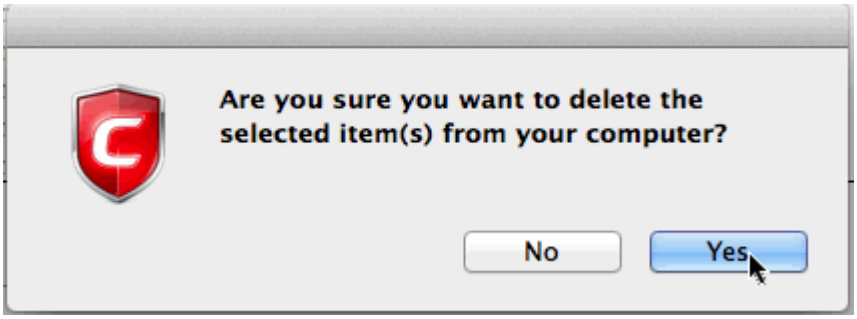


To remove selected items

1. Select the application from the results, click the drop-down button beside 'Clean' and select 'Clean'.



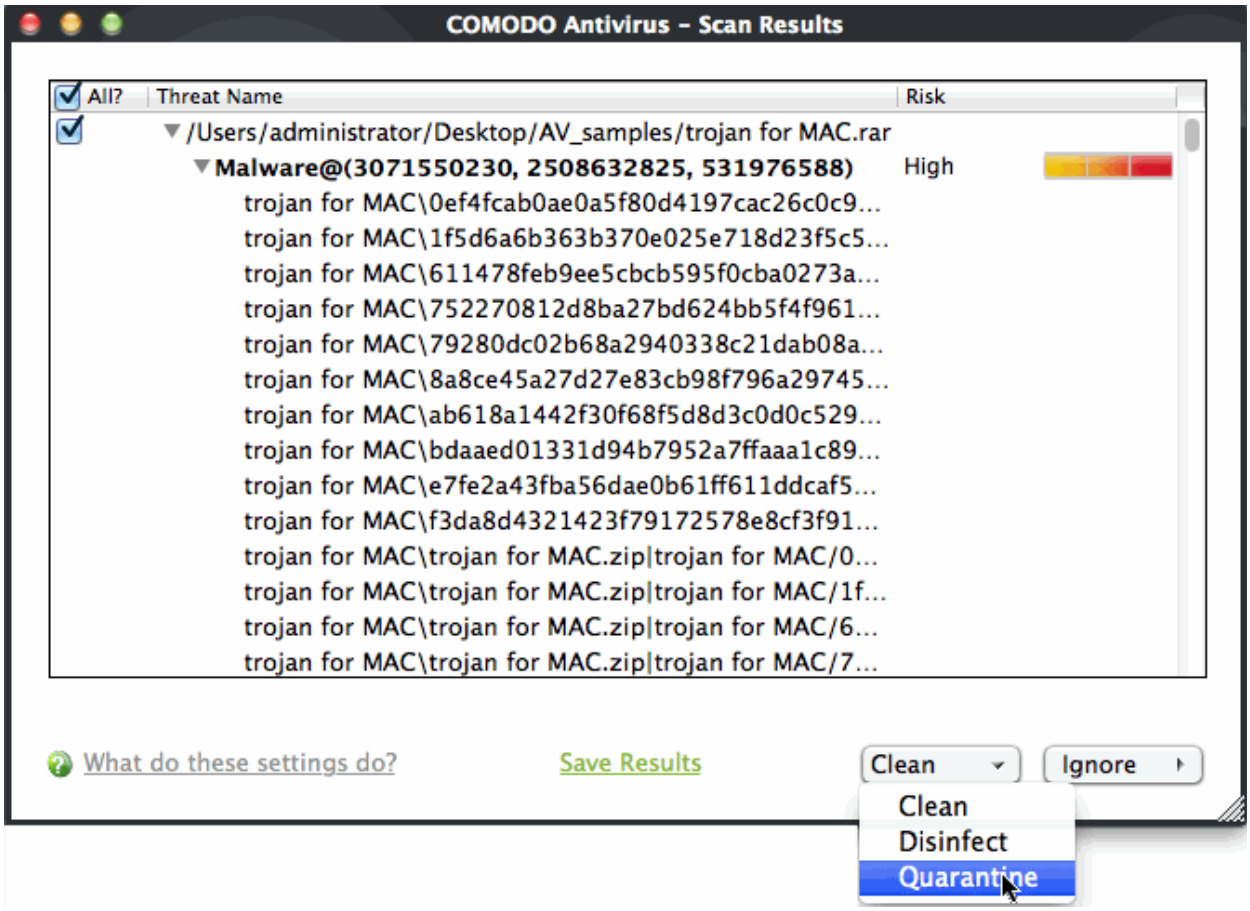
2. Click 'Yes' at the confirmation dialog box.



The file will be deleted permanently from your system.

To move selected threats to Quarantined Items

1. Select the application from the results, click the drop-down button beside 'Clean' and select 'Quarantine'.

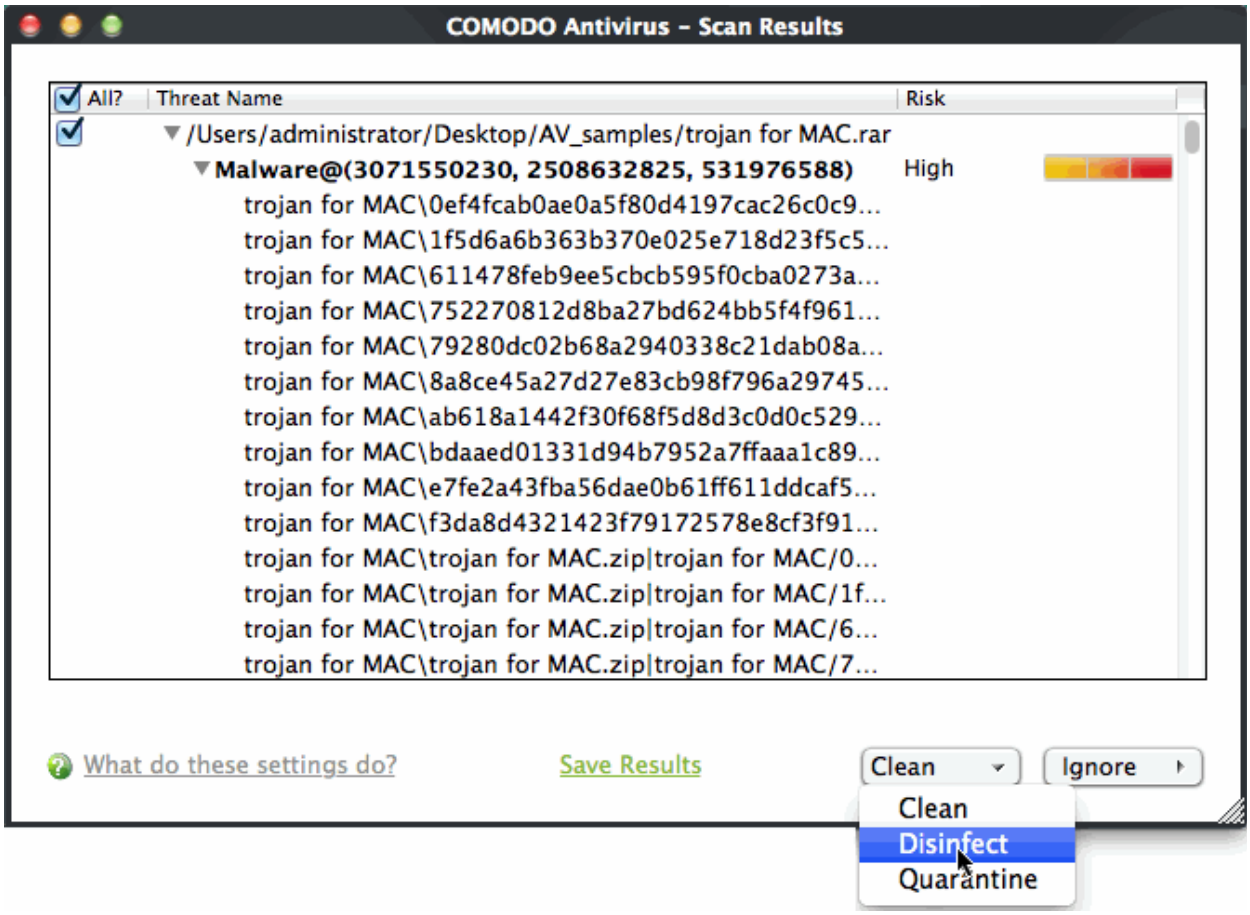


3. Click 'Yes' at the confirmation dialog box.

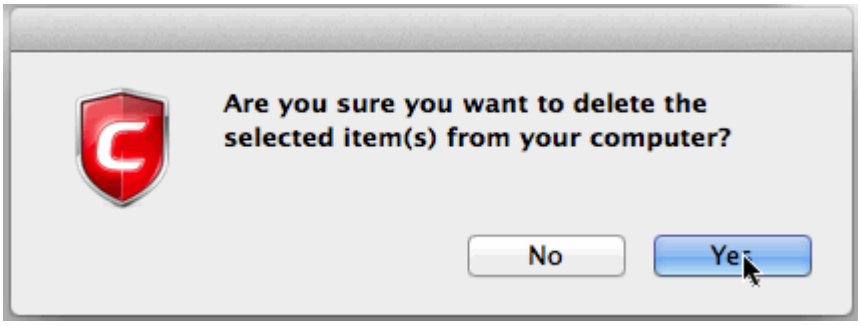
The selected application is moved to the Quarantined items section. For more details on quarantined applications, refer to **Antivirus Tasks > Quarantined Items.**

To disinfect a file or application

1. Select the applications from the results, click the drop-down button beside the 'Clean' button and choose 'Disinfect'.



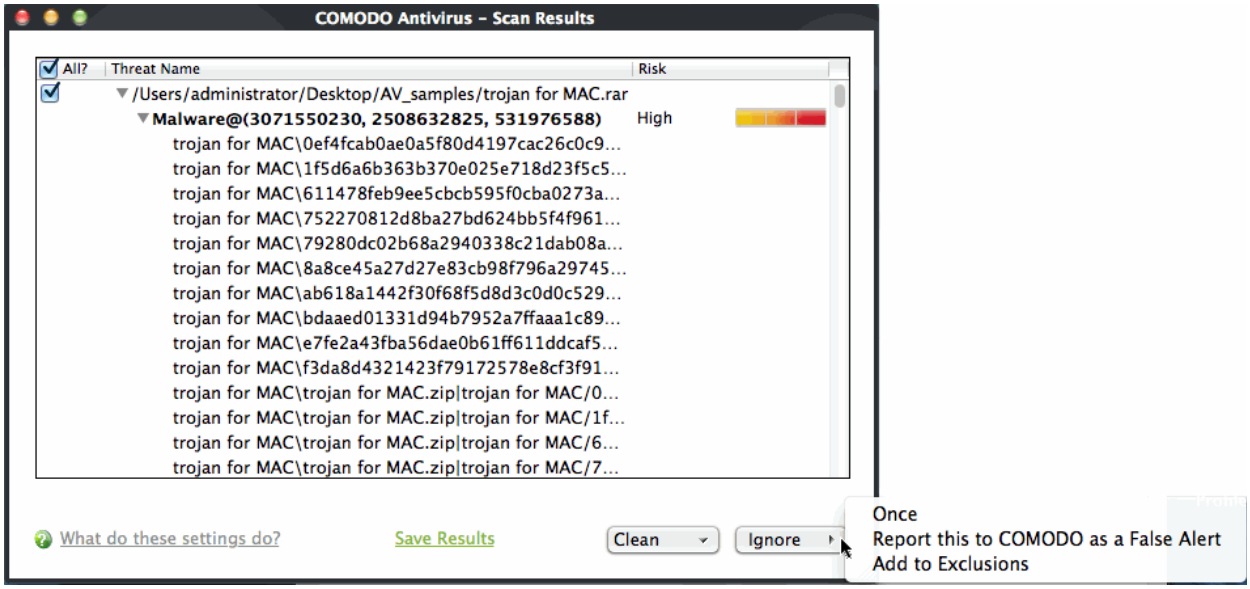
2. Click 'Yes' at the confirmation dialog box.



The Antivirus disinfects the file if a disinfection routine exists. The file will be returned to its pre-viral state. If no disinfection routine is available, the file is deleted permanently from your system.

To ignore an application / file you consider as safe from the threat list

- Click the 'Ignore' button



Selecting 'Ignore' provides you with three options.

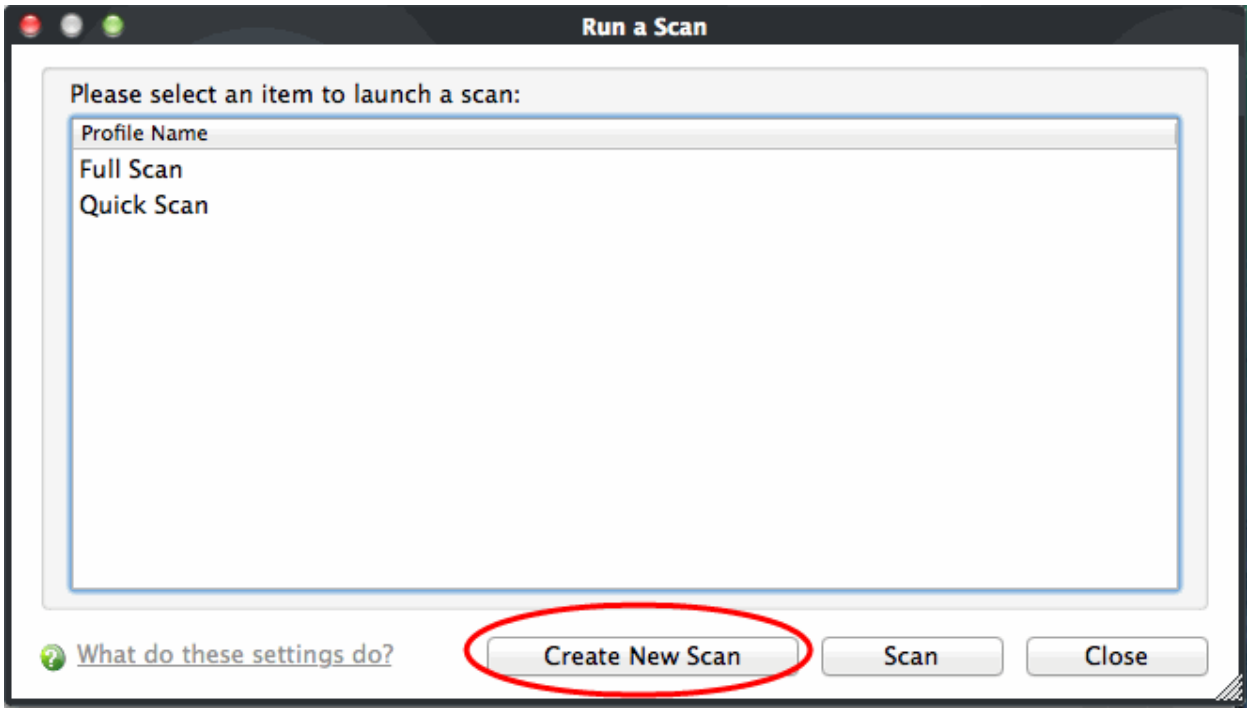
- **Once** - If you click 'Once', the virus is ignored only at that time only. If the same application invokes again, an alert will be displayed.
- **Report this to COMODO as a False Alert –** If you are sure that the file is safe, select 'Report this to Comodo as False Alert'. This will submit the file to Comodo for analysis. If the file is found to be trustworthy, it will be added to the Comodo white-list.
- **Add to Exclusions** - If you click 'Add to Exclusions', the virus is moved to **Exclusions** list. The alert is not generated if the same application invokes again.

Creating a Scan profile

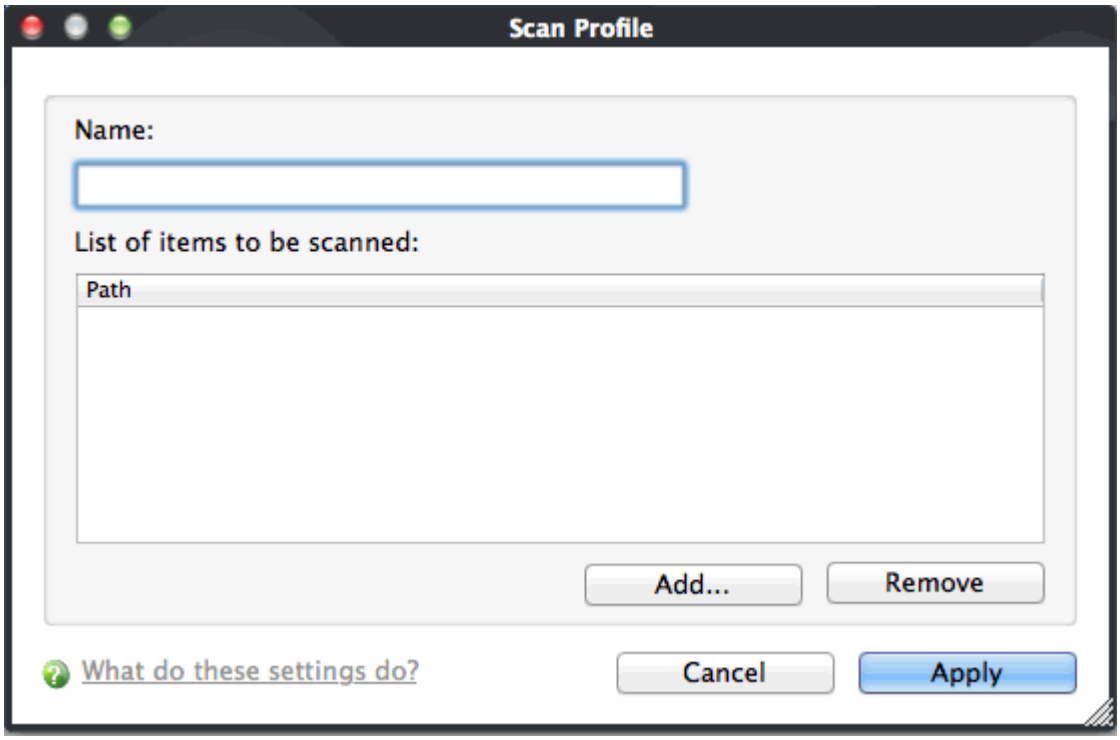
Scan Profiles are the user-defined profiles containing specific areas on your system that you wish to scan and can be re-used for all future scans.

To create a new scan profile

- Click 'Create New Scan' in the 'Run a Scan' interface.

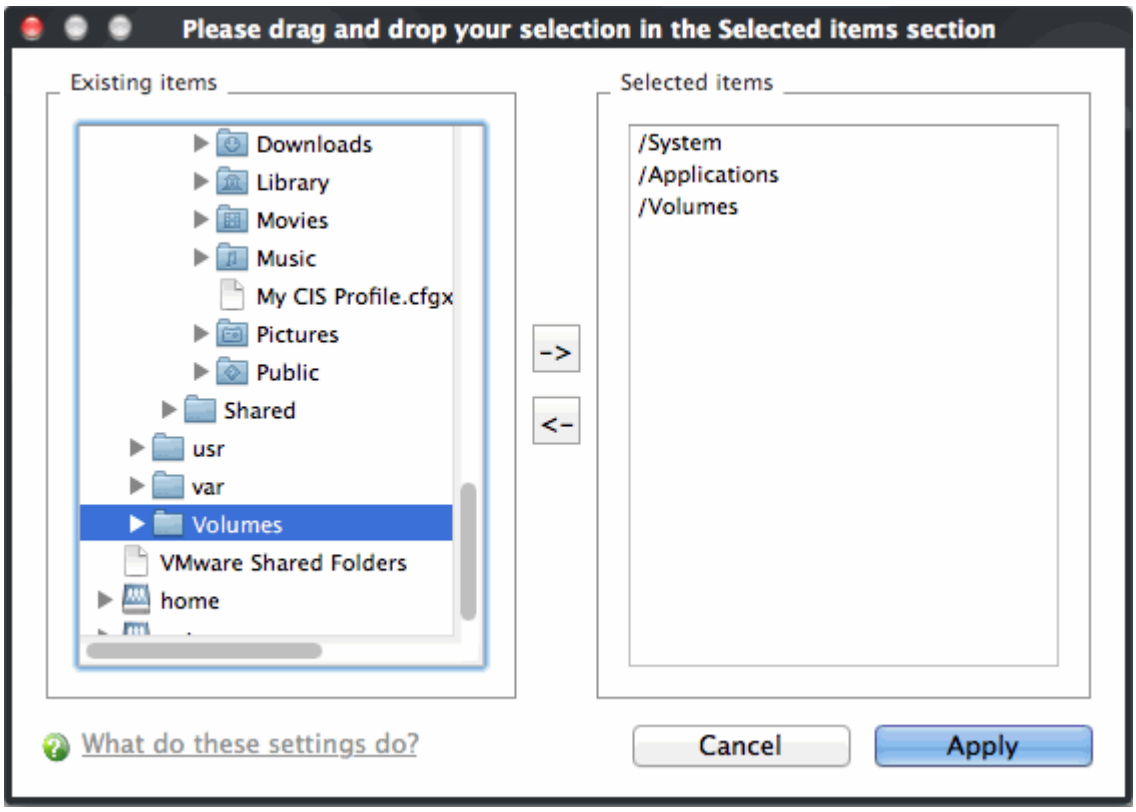


A 'Scan Profile' configuration appears.



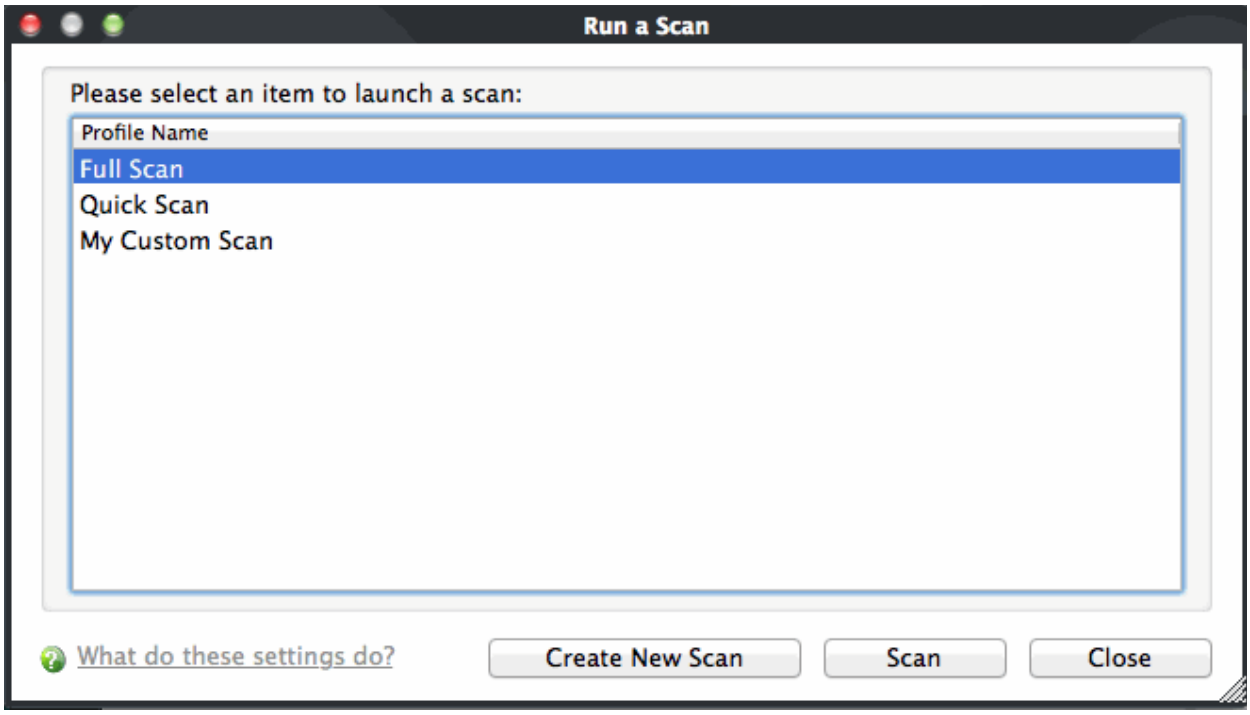
- Type a name for the scan profile to be created in the 'Name' box.
- Click 'Add'.

A configuration screen appears, prompting you to select the locations to be scanned when the newly created scan profile is selected.



- Select the locations from the left column, drag and drop to the right column or select the locations and click right arrow to move selected folders to right column.

- Click 'Apply'.

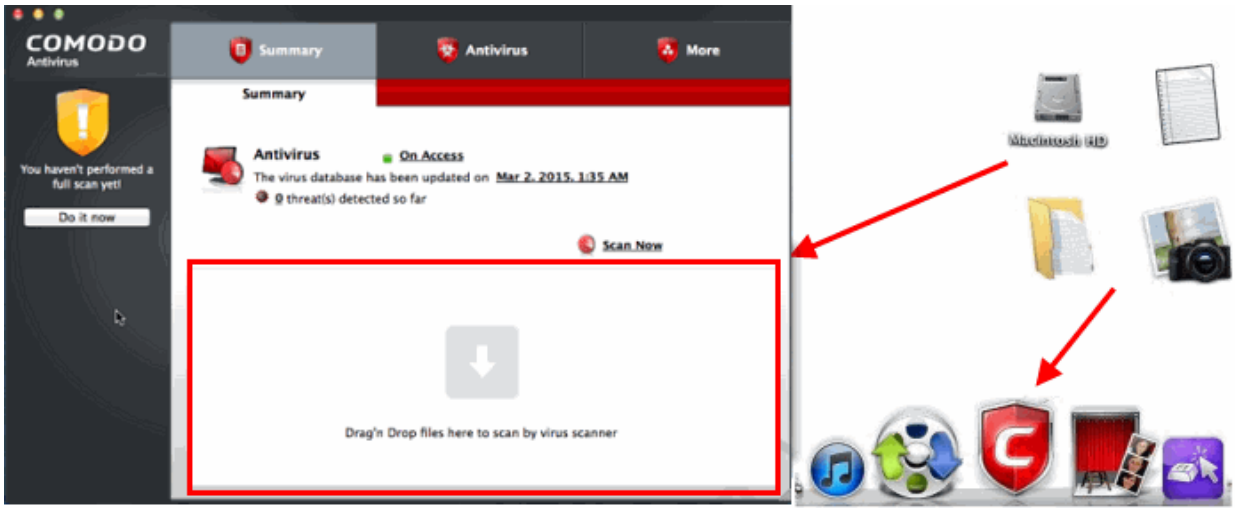


- Repeat the process to create more Scan Profiles.

Note: You can also create new Scan Profiles by accessing **Scan Profiles** in the Antivirus Screen.

Instantly Scan Objects

You can instantly virus scan virtually any file, folder, photo, application or hard-drive by simply dragging the item into the scan box on the summary screen or onto the Comodo icon on the dock.



2.2. Update Virus Database

In order to guarantee the continuing effectiveness of your antivirus software, it is imperative that your virus databases are updated as regularly as possible.

Our anti-virus database is maintained and updated around the clock by a team of dedicated technicians, providing you with the solutions to the latest virus outbreaks. Updates can be downloaded to your system **manually** or **automatically** from Comodo's update servers.

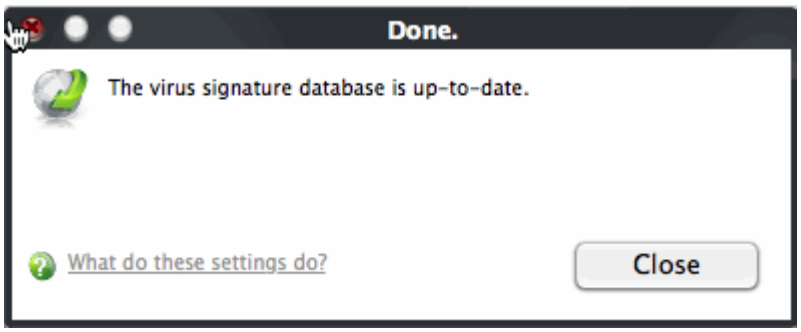
To manually check for the latest virus Database and then download the updates

1. Click on the 'Update Virus Database' from the main Antivirus Task Manager Screen.

Note: You must be connected to Internet to download the updates.

A dialog box appears, showing you the progress of update process.

You will see the following notification when the update process is complete:



When infected or possibly infected files are found, if the anti-virus database has been not updated for a critically long time, or your computer has not been scanned for a long time, the main window of Comodo Antivirus recommends a course of action and gives a supporting explanation.

Automatic Updates

By default, Comodo Antivirus is set to automatically check for and download updates from the Comodo servers before commencing a scan of any type. You can configure whether these automatic checks updates take place on a 'per scanner' basis in 'Scanner Settings. Refer to **Real Time Scanning Settings** and **Scheduled Scanning Settings** for more details. 'Manual Scanning' refers to 'on demand' scans carried out on items when, for instance, they are dragged in the scan box or the Comodo dock icon.

2.3. Quarantined Items

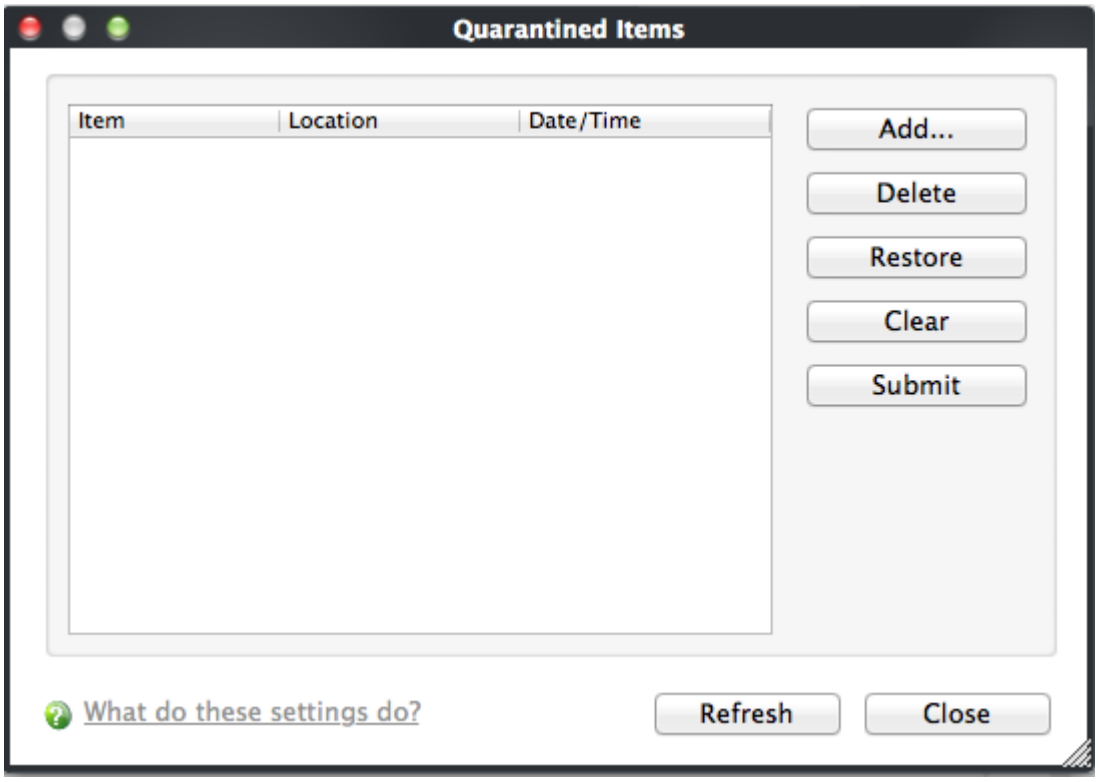
The quarantine facility removes and isolates suspicious files into a safe location before analyzing them for possible infection. Any files transferred in this fashion are encrypted- meaning they cannot be run or executed. This isolation prevents infected files from affecting the rest of your computer. If a file cannot be disinfected, then it provides a reliable safe-house until the virus database is updated- neutralizing the impact of any new virus.

For adding executables to Quarantined items, refer to **Antivirus Tasks > Run a Scan**. You can also:

- **Manually add applications, executables or other files, that you do not trust, as a Quarantined item**
- **Delete a selected quarantined item from the system**
- **Restore a quarantined item**
- **Delete all quarantined items**
- **Submit selected quarantined items to Comodo for analysis**

To view the list of Quarantined Items

- Click 'Quarantined Items' from the main Antivirus Task Manager Screen.



Column Descriptions

- **Item** - Indicates which application or process propagated the event;
- **Location** - Indicates the location where the application or the file is stored;
- **Date/Time** - Indicates date and time, when the item is moved to quarantine.

Manually adding files as Quarantined Items

If you have a file, folder or drive that you suspect may contain a virus and not been detected by the scanner, then you have the option to isolate that item in quarantine.

To manually add a Quarantined Item

- Click **Add** and select the file from **Open** dialog box.

To delete a quarantined item from the system

- Select the item and Click 'Delete'.

This deletes the file from the system permanently.

To restore a quarantined item to its original location

- Select the item and click 'Restore'.

If the restored item does not contain a malware, it operates as usual. But if it contains a malware, it is detected as a `threat` immediately, if the Real Time Scanning is enabled or during the next scan.

To remove all the quarantined items permanently

- Click 'Clear'.

This deletes all the quarantined items from the system permanently.

To submit selected quarantined items to Comodo for analysis

- Select the item from the list and click 'Submit'.

Note: Quarantined files are stored using a special format and do not constitute any danger to your computer.

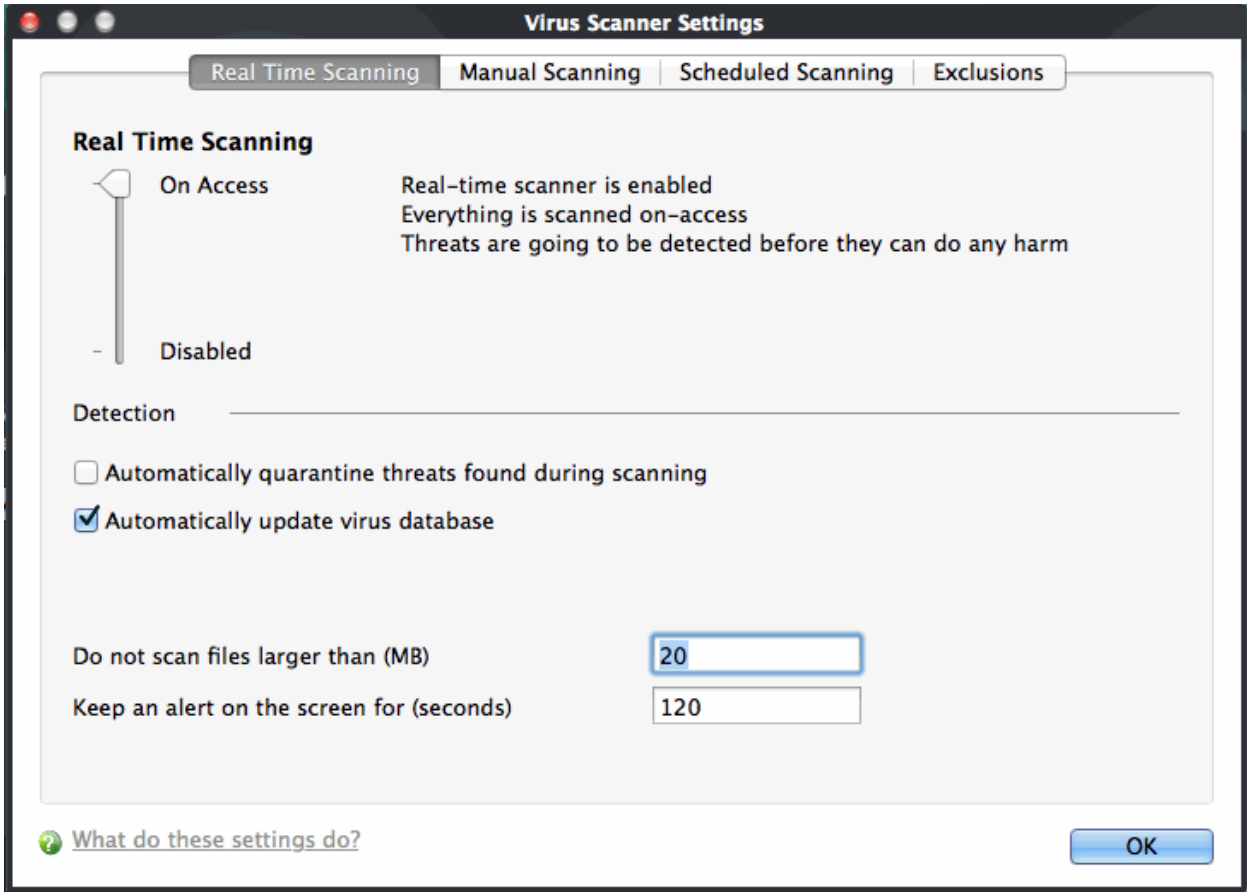
2.4. Scanner Settings

The Settings configuration panel allows you to customize various options related to Real Time Scanning (On-Access Scanning), Manual Scanning, Scheduled Scanning and Exclusions (a list containing the files you considered safe and ignored the alert during a virus scan).

- The settings made for each type of the scan applies to all future scans of that type.
- All items listed and all items added to the 'Exclusions' list is excluded from all future scans of all types.

To open Virus Scanner Settings panel

- Click on 'Scanner Settings' link in the main Antivirus Tasks Management Screen.



The options that can be configured using the settings panel are

- **Real Time Scanning** - To set the parameters for on-access scanning;
- **Manual Scanning** - To set the parameters for manual Scanning (Run a Scan);
- **Manual Scanning** - To set the parameters for scheduled scanning;
- **Exclusions** - To see the list of ignored threats and to set the parameters for Exclusions.

2.4.1. Real Time Scanning

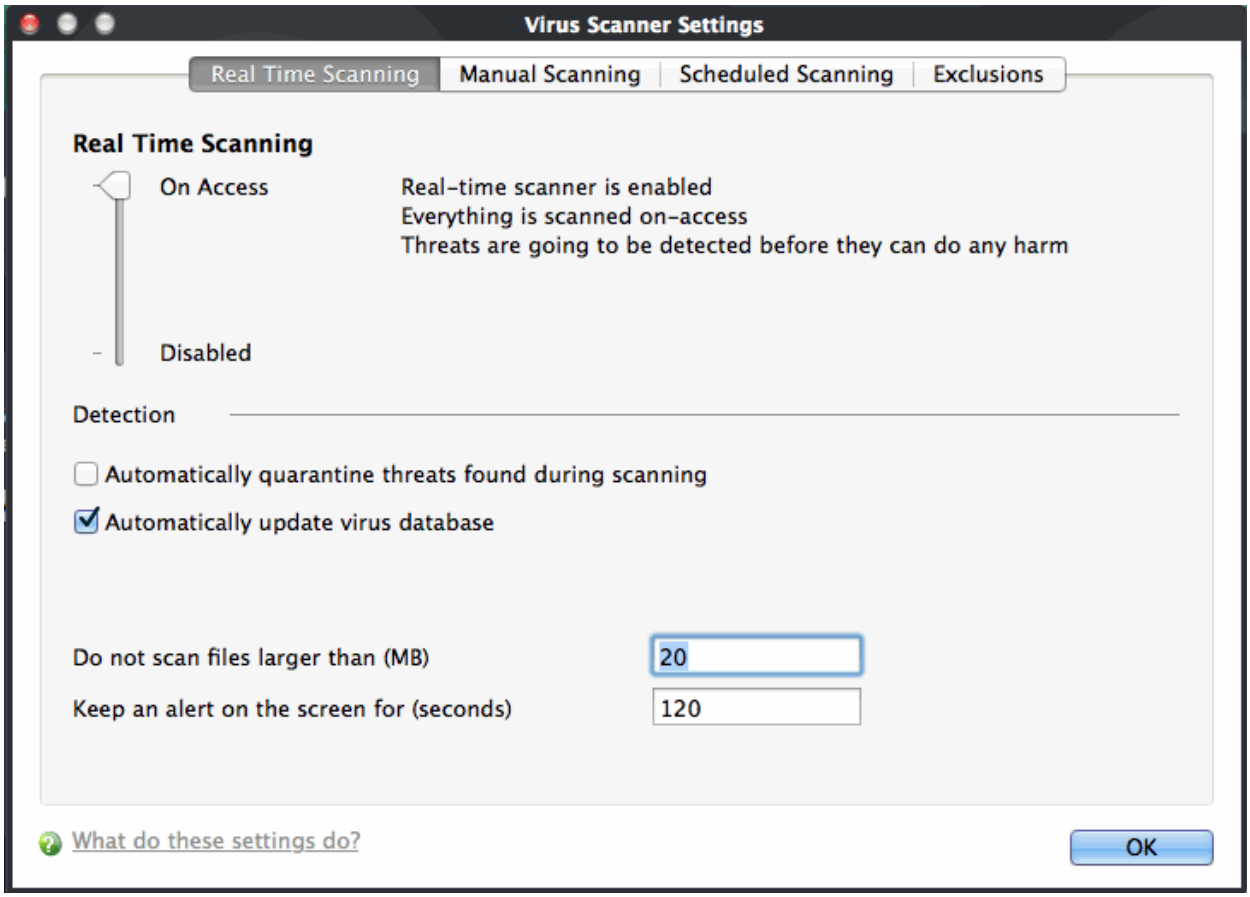
The Real time Scanning (aka 'On-Access Scanning') is always ON and checks files in real time when they are created, opened or copied. (as soon as you interact with a file, Comodo Antivirus checks it). This instant detection of viruses assures you that your system is perpetually monitored for malware and enjoys the highest level of protection. You also have options to automatically remove the threats found during scanning and to update virus database before scanning. It is highly recommended that you keep the Real Time Scanner enabled to ensure your system remains continually free of infection.

The Real Time Scanning setting allows you to switch the On Access scanning between **Disabled** and **On Access** and allows you to specify detection settings and other parameters that are deployed during on-access scans.

To set the Real Time Scanning level

- Click on the 'Real Time Scanning' tab in the 'Scanner Settings' panel.

- Drag the real time Scanning slider to the required level. The choices available are **Disabled** (not recommended) and **On Access**. The setting you choose here are also displayed in the Summary screen.



- **On Access** - Provides the highest level of On Access Scanning and protection. Any file opened is scanned before it is run and the threats are detected before they get a chance to be executed.
- **Disabled** - The Real time scanning is disabled. Antivirus does not perform any scanning and the threats cannot be detected before they impart any harm to the system.

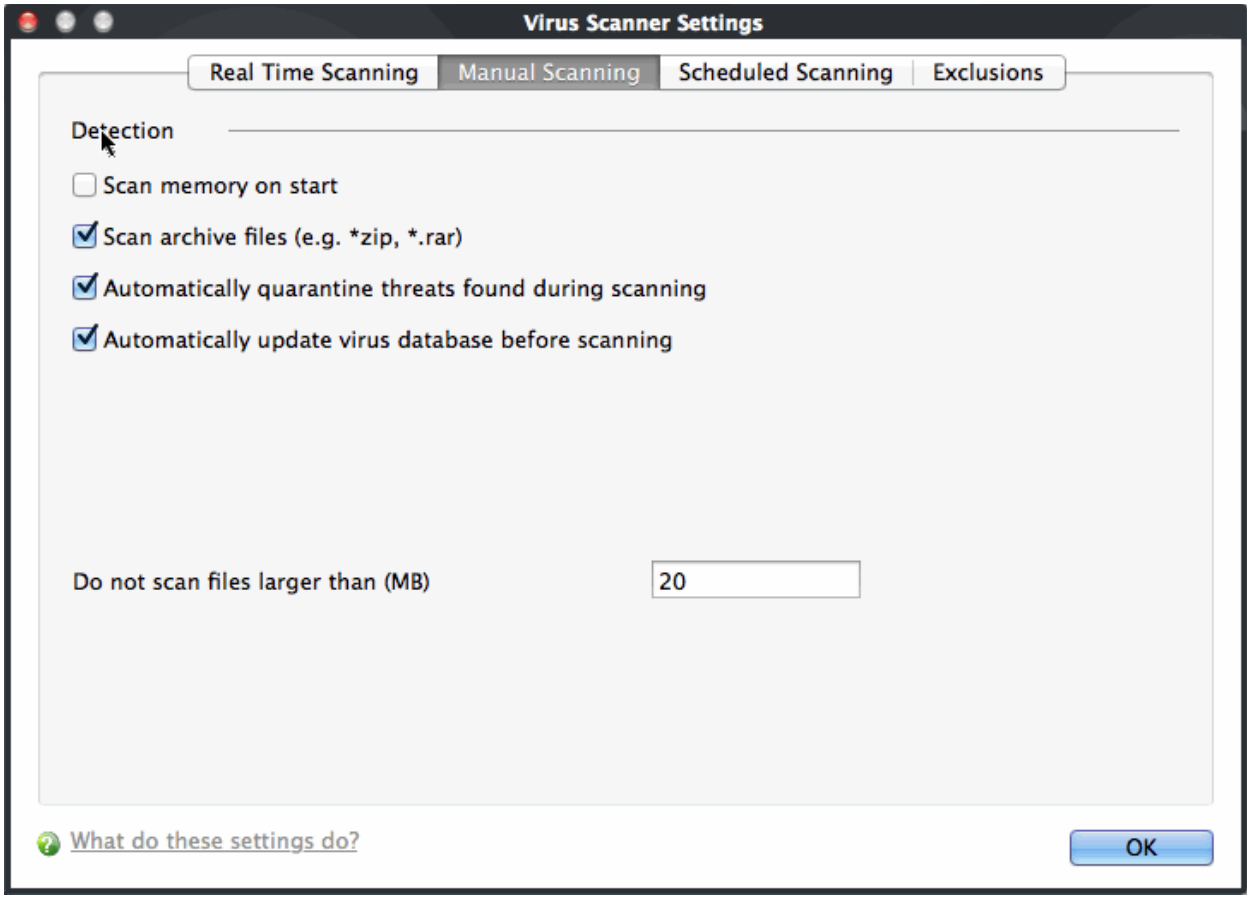
Detection Settings

- **Automatically quarantine threats found during scanning** - When enabled, all detected threats will be moved to quarantine. Once quarantined, the detected threat can be restored or deleted at your will ***(Default = Disabled).***
- **Automatically update virus database** - When enabled, Comodo Antivirus will check for and download the latest virus database updates on system start-up and subsequently at regular intervals ***(Default = Enabled).***
- **Do not scan files larger than -** This box allows you to set a maximum size (in MB) for the individual files to be scanned during on-access scanning. Files larger than the size specified here, are not scanned. ***(Default = 20 MB)*** .
- **Keep an alert on the screen for** - This box allows you to set the time period (in seconds) for which the alert message should stay on the screen ***(Default = 120 seconds)***.

Click 'OK' for the settings to take effect.

2.4.2. Manual Scanning

The Manual Scanning area allows you to set the parameters that will be implemented when you run an 'On Demand' scan on your computer. For example, these options will be used when you click 'Scan Now' from the main 'Summary' screen or 'Run A Scan' from the 'Antivirus Tasks' menu.



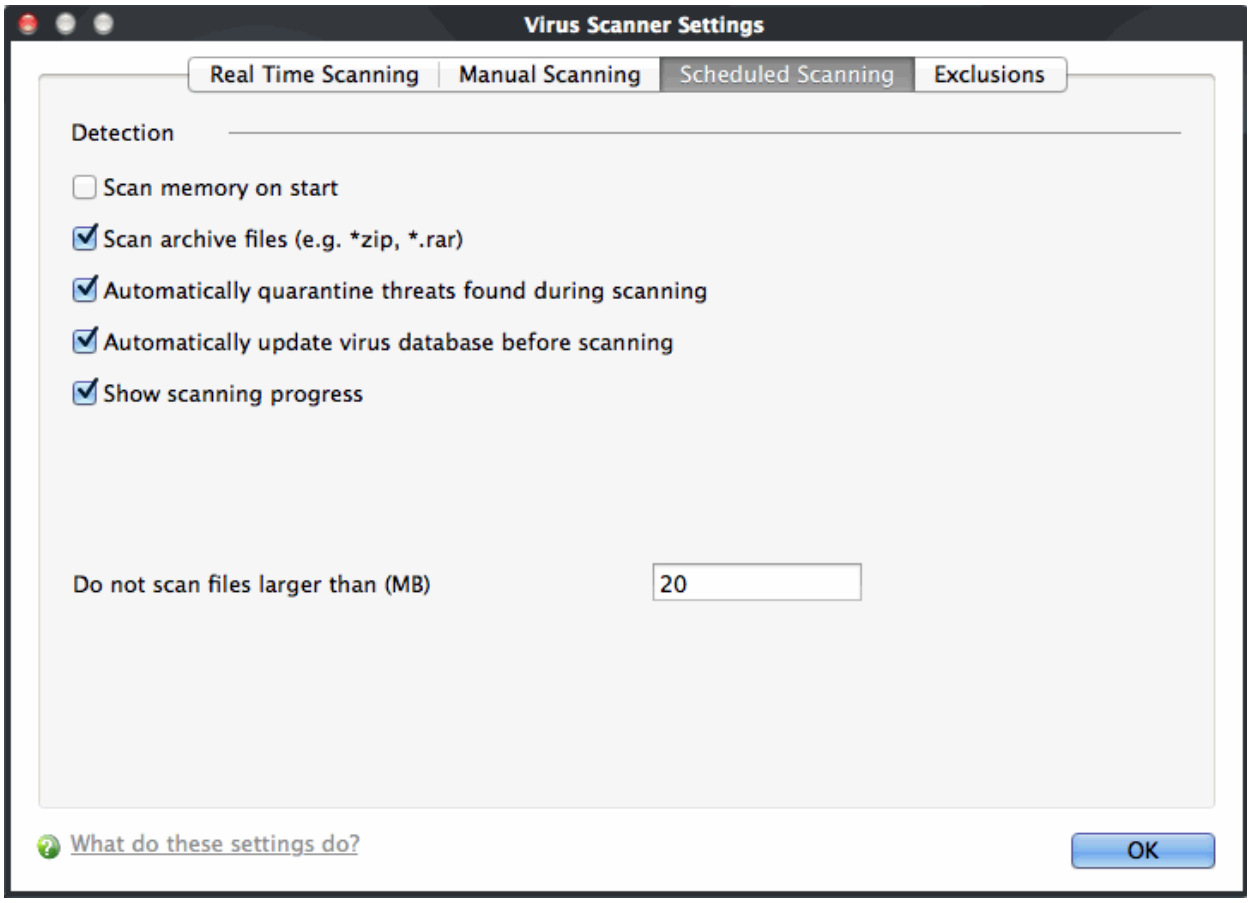
- **Scan memory on start -** When this check box is selected, the Antivirus scans system memory at the start of a manual scan ***(Default = Disabled)***.
- **Scan archive files** - When this check box is selected, the Antivirus scans archive files such as .ZIP and .RAR files. You are alerted to the presence of viruses in compressed files before you even open them. These include RAR, WinRAR, ZIP, WinZIP ARJ, WinARJ and CAB archives ***(Default = Enabled)***
- **Automatically quarantine threats found during scanning -** When this check box is selected, the Antivirus moves suspicious files to Quarantine. Files can be restored or deleted from quarantine at your will ***(Default = Enabled).***
- **Automatically update virus database before scanning** - Instructs Comodo Antivirus to check for latest virus database updates from Comodo website and download the updates automatically before starting an on-demand scanning ***(Default = Enabled)*** .

  There are separate update options in for real time, manual and scheduled scanning settings. Disabling here will switch off auto - updates for this scan type only. Updates can be downloaded manually by clicking Antivirus > Update Virus database. See section '**Update Virus Database**' for more details.
- **Do not scan files larger than** - This box allows you to set a maximum size (in MB) for the individual files to be scanned during manual scanning. Files larger than the size specified here, are not scanned ***(Default = 20 MB)***.

Click 'OK' for the settings to take effect.

2.4.3. Scheduled Scanning

The Scheduled Scanning settings area allows you to determine the scan parameters that will be implemented when a scheduled scan takes place.



You can choose to run scheduled scans at a certain time on a daily, weekly, monthly or custom interval basis. You can also choose which specific files, folders or drives are included in that scan by choosing the scan profiles.

The detection settings are as follows:

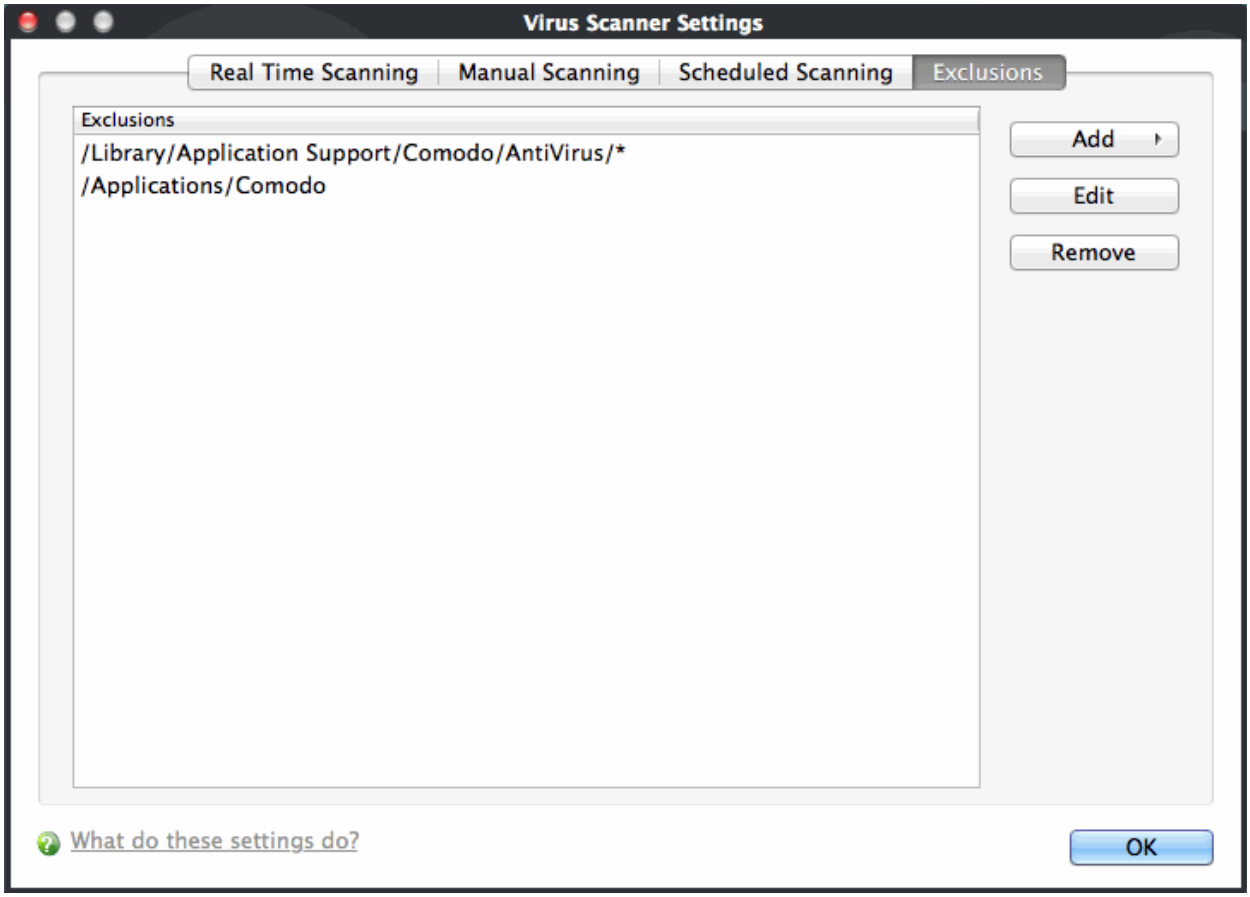
- **Scan memory on start -** When this check box is selected, the Antivirus scans system memory at the start of any scheduled scan ***(Default = Disabled)***.
- **Scan archive files** - When this check box is selected, the Antivirus scans archive files such as .ZIP and .RAR files during any scheduled scan. You are alerted to the presence of viruses in compressed files before you even open them. These include RAR, WinRAR, ZIP, WinZIP ARJ, WinARJ and CAB archives ***(Default = Enabled)***.
- **Automatically quarantine threats found during scanning** - When this check box is selected, the Antivirus moves suspicious files to Quarantine. Files can be restored or deleted from quarantine at your will ***(Default = Enabled)***.
- **Automatically update virus database before scanning** - When this check box is selected, Comodo Antivirus checks for latest virus database updates from Comodo website and downloads the updates automatically, before the start of every scheduled scan ***(Default = Enabled)***.

  There are separate update options in for real time, manual and scheduled scanning settings. Disabling here will switch off auto - updates for this scan type only. Updates can be downloaded manually by clicking Antivirus > Update Virus database. See section '**Update Virus Database**' for more details.
- **Show Scanning progress** - When this check box is selected, a progress bar is displayed on start of a scheduled scan. Clear this box if you do not want to see the progress bar ***(Default = Enabled)***.
- **Do not scan files larger than** - This box allows you to set a maximum size (in MB) for the individual files to be scanned during scheduled scanning. Files larger than the size specified here, are not scanned ***(Default = 20 MB)***.

Click 'OK' for the settings to take effect.

2.4.4. Exclusions

The Exclusions tab in the Scanner Settings panel displays a list of applications/files for which you have selected **Ignore** in the **Scan Results** window of Run a Scan option or added to 'Exclusions' from an Antivirus alert.



All items listed in the 'Exclusions' area are excluded from future scans of all types.

Also, you can manually define trusted files or applications to be excluded from a scan .

To define a file/application as excluded from scanning

1. Click 'Add'.

   You now have 2 methods available to choose the application that you want to trust - '**Browse Files...**' and '**Browse Running Processes**'.

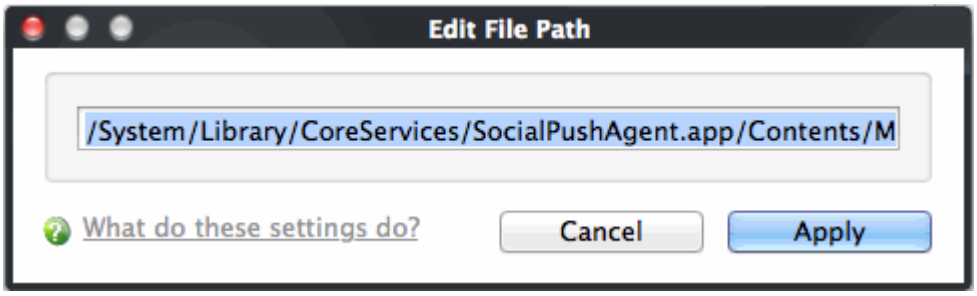
   - **Browse Files... -** This option is the easiest for most users and simply allows you to browse the files which you want to exclude from a virus scan.
   - **Browse Running Processes -** As the name suggests, this option allows you to choose the target application from a list of processes that are currently running on your computer.

When you have chosen the application using one of the methods above, the application name appears along with its location.

2. Click 'OK' for the settings to take effect.

To edit the path (location) of an Excluded application

- Select the file or application for the list of excluded items
- Click 'Edit'
- Make the required changes for the file path in the 'Edit Property' dialog.



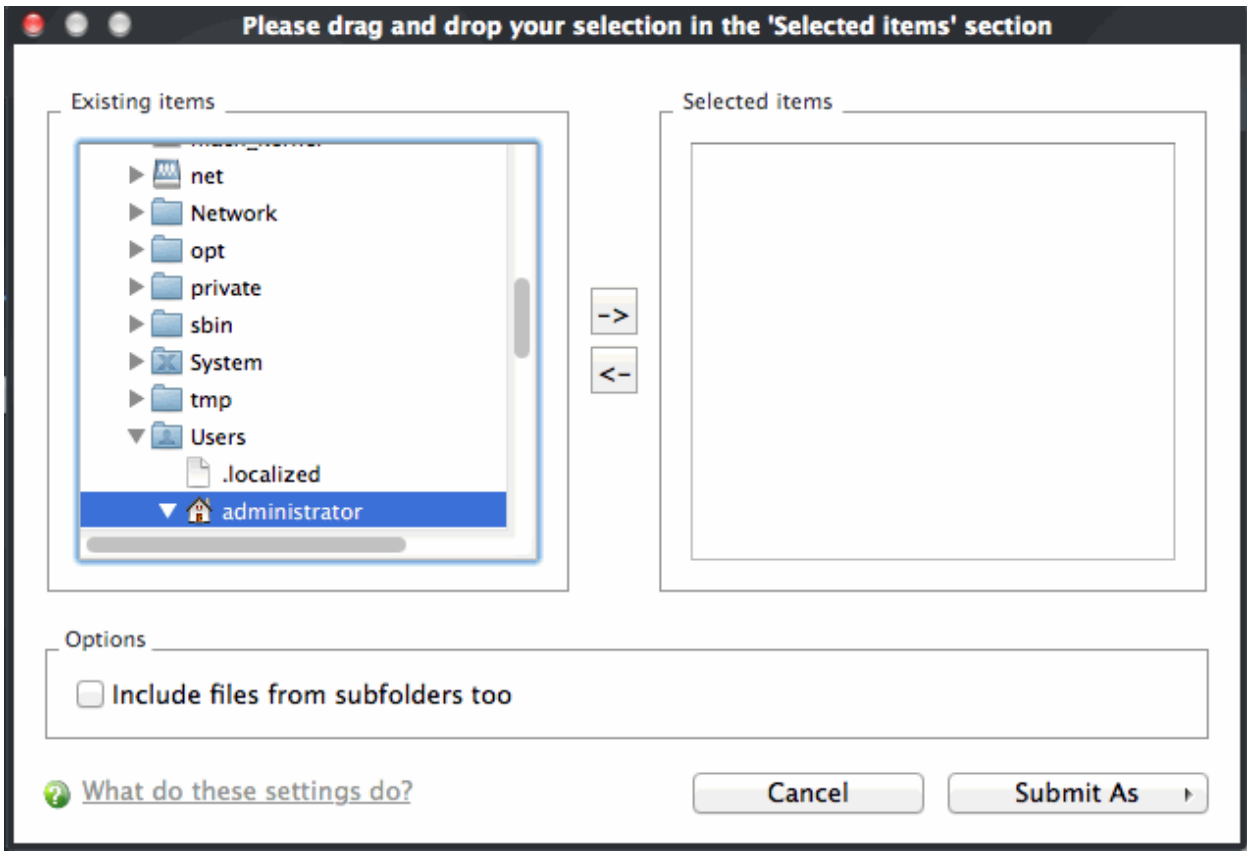
2.5. Submit Files to Comodo for Analysis

Files which are not in the Comodo safe list and are also unknown to the user can be submitted directly to Comodo for analysis and possible addition to the safe list.

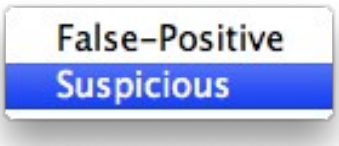
You can submit the files which you suspect to be a malware or the files which you consider as safe but identified as malware by Comodo Antivirus (False Positives). The files are analyzed by experts in Comodo and added to white list or black list accordingly.

To submit files to Comodo

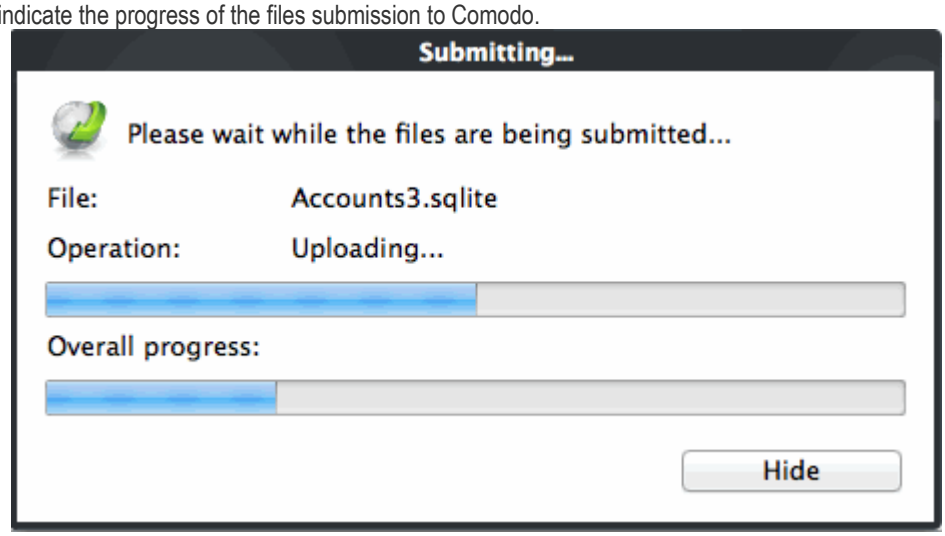
1. Click on the 'Submit Files' link from the main Antivirus Task Manager screen. The Browser dialog will open.



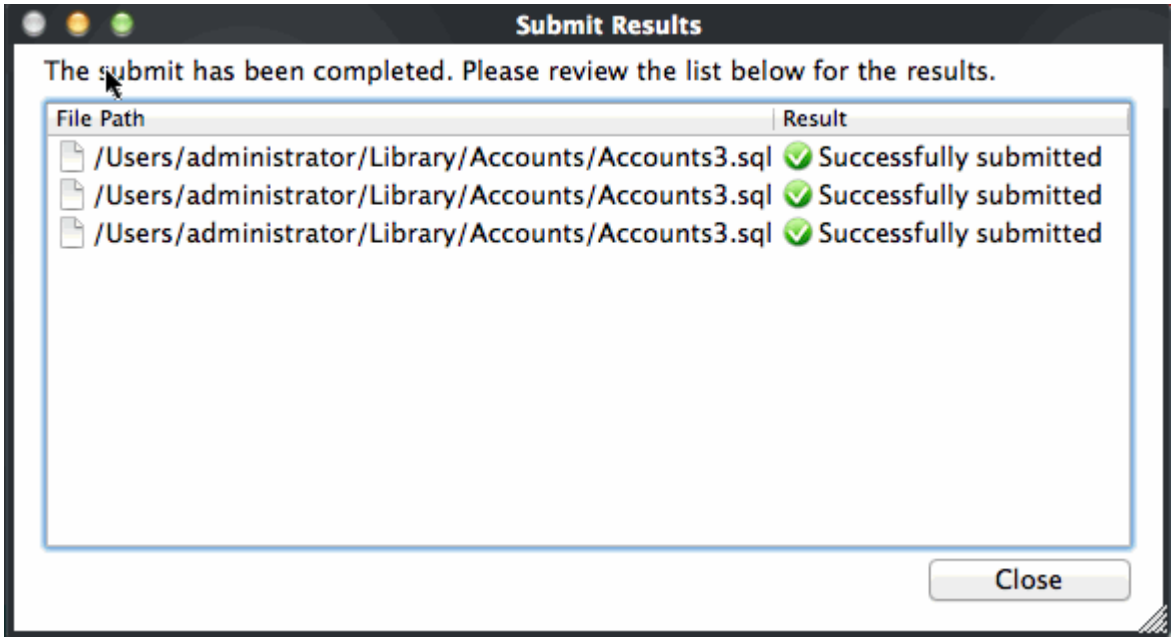
2. Select the items (files or folders) you wish to submit to Comodo for analysis from the right hand pane and move them to right hand pane by clicking the right arrow one by one. (If you want to revert a file, select the file from the right hand pane and click the left arrow)
3. Click 'Submit As' and select :
   - 'False-Positive' for files you consider to be safe
     or
   - 'Suspicious' for files you suspect to be malware from the submit options.



Progress bars indicate the progress of the files submission to Comodo.



When a file is first submitted, Comodo's online file look-up service will check whether the file is already queued for analysis by our technicians. The results screen displays these results:



- 'Successfully submitted' - The file's signature was not found in the list of files that are waiting to be tested and was therefore uploaded from your machine to our research labs.
- 'Already submitted' - The file has *already* been submitted to our labs by another Antivirus user and was not uploaded from your machine at this time.

Comodo will analyze *all* submitted files. If they are found to be trustworthy, they will be added to the Comodo safe list (i.e. white-listed). Conversely, if they are found to be malicious then they will be added to the database of virus signatures (i.e. black-listed).

2.6. Scheduled Scans

Comodo Antivirus features a highly customizable scheduler that lets you timetable scans according to your preferences. Comodo Antivirus automatically starts scanning the entire system or the disks or folders contained in the profile selected for that scan.

You can add an unlimited number of scheduled scans to run at a time that suits your preference. A scheduled scan may contain any profile of your choice.

You can choose to run scans at a certain time on a daily, weekly, monthly or custom interval basis. You can also choose which specific files, folders or drives are included in that scan.

Comodo Antivirus gives you the power to choose, allowing you to get on with more important matters with complete peace of mind.

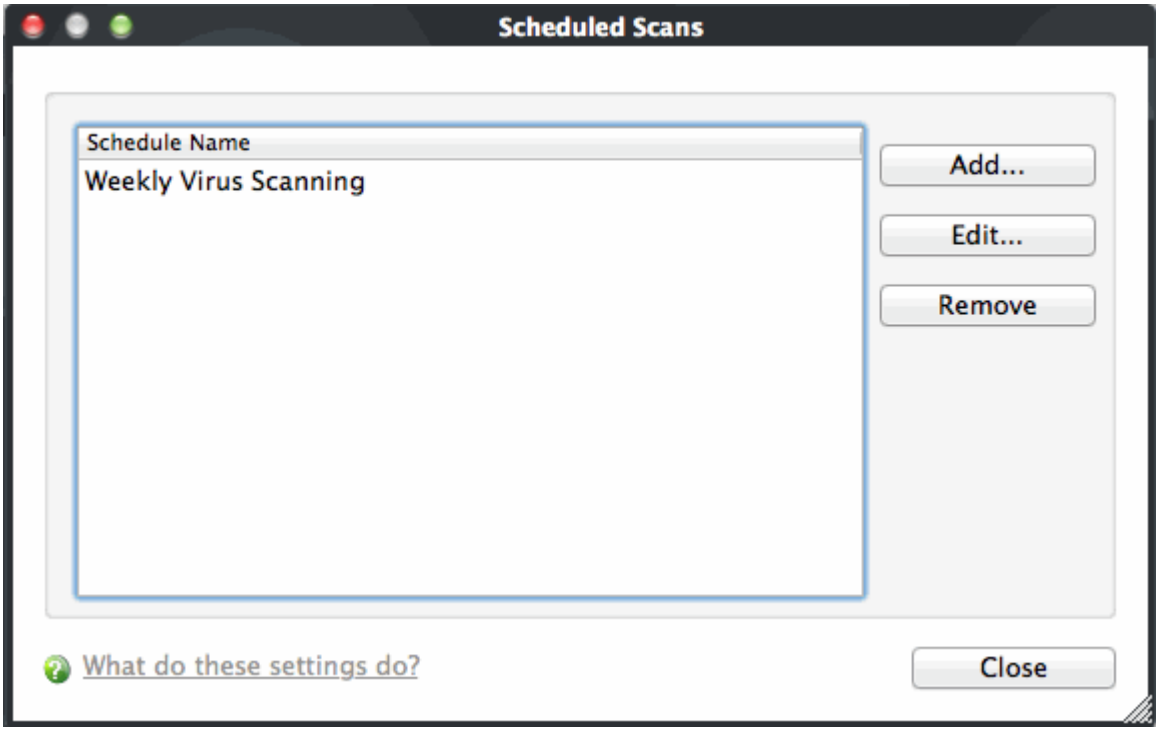
From the 'Scheduled Scans' panel, you can

- **Set a new scheduled scan**
- **Edit a pre-scheduled scan**
- **Cancel a pre-scheduled scan**

The detection settings for the Scheduled Scans can be configured under the **Scheduled Scanning** tab of the **Scanner Settings** interface.

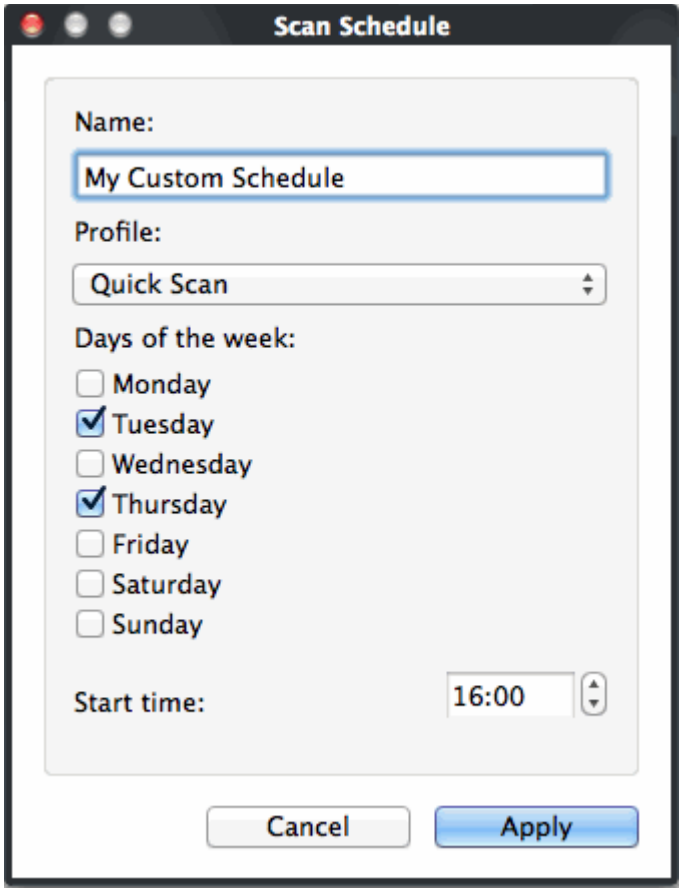
To set a Scheduled Scan

1. Click on the Scheduled Scans link in the main Antivirus Task Manager screen.

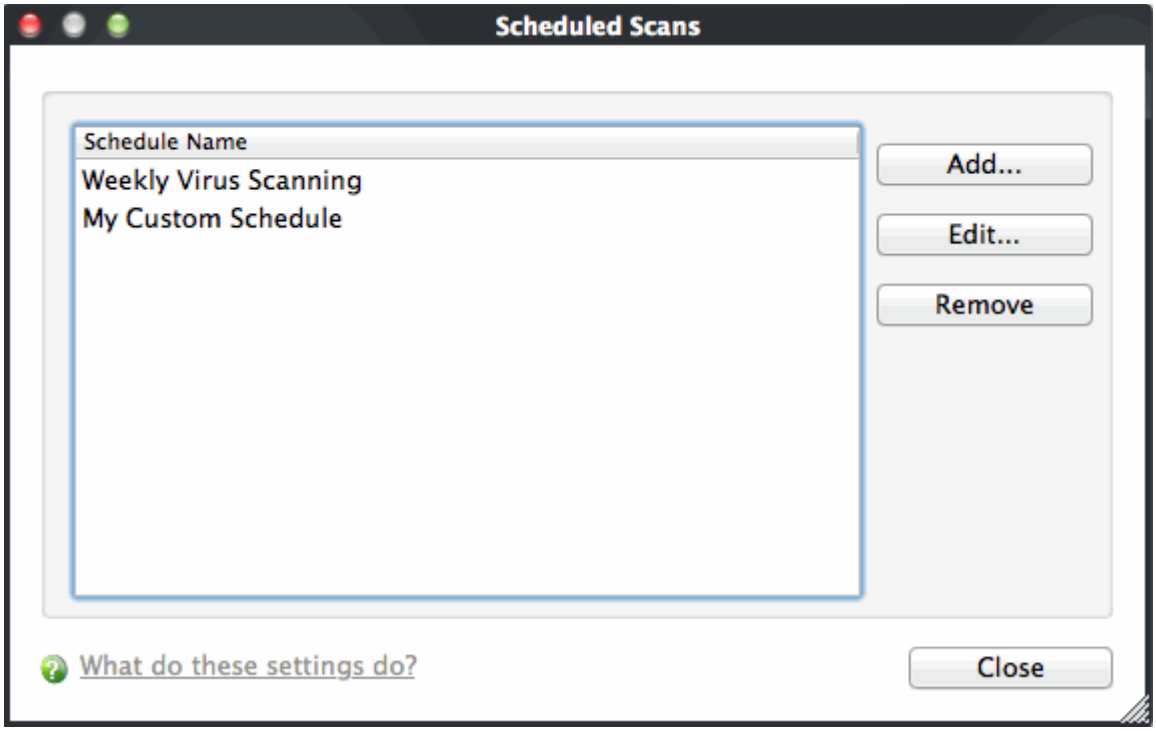


A default schedule 'Weekly Virus Scanning' is displayed. This schedule is set so that your computer is scanned on every day at 16:00pm. You can edit this schedule by selecting it and clicking the 'Edit' button.

2. Click 'Add'. The 'Scan Schedule' panel opens.



3. Type a name for the newly scheduled scan in the 'Name' box.
4. Select a scanning profile from the list of preset scanning profiles by clicking at the drop-down arrow, in the 'Profile' box. (For more details on creating a custom 'Scan Profile' that can be selected in a scheduled scan, see **Antivirus Tasks > Scan Profiles.**
5. Select the days of the week you wish to schedule the scanning from 'Days of the Week' check boxes.
6. Set the starting time for the scan in the selected days in the 'Start time' drop-down boxes.
7. Click 'Apply'.



8. Repeat the process to schedule other scans with `other` predefined scan profiles.

To edit a Scheduled Scan

1. Select the schedule from the list.
2. Click 'Edit' in the 'Scheduled Scans' setting panel.
3. Edit the necessary fields in the 'Scan Schedule' panel.
4. Click 'Apply'.

To cancel a pre-scheduled scan

1. Select the Scan Schedule you wish to cancel in the 'Scheduled Scans' settings panel.
2. Click 'Remove'.

2.7. Scan Profiles

Creating a Scan Profile allows you to instruct Comodo Antivirus to scan selected areas, folders or selected drives of your system. You will be asked to select a profile whenever you click the 'Scan Now' link on the Summary Screen.

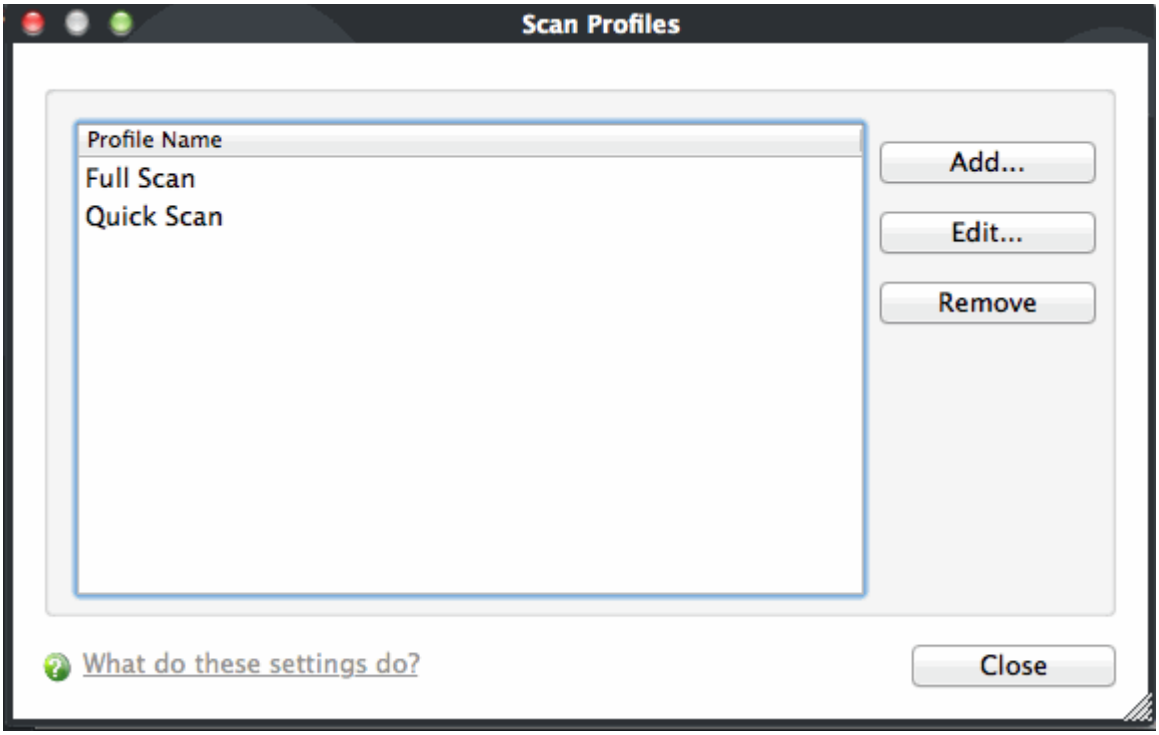
You can create custom scan profiles, to define selected disks or folders to be scanned and the created scan profile can be re-used for any desired scan event i.e. Run a Scan (On-Demand Scanning) and Scheduled Scans. You can create as many custom scan profiles as you wish. A Scan Profile allows you to scan only a selected area of your storage, saving time and resources.

- To create a new scan profile:
  - Click the '**Create New Scan**' button in the '**Run a Scan**' panel or click the 'Add button' in the 'Scan Profiles' area.
  - New scan profiles can then be referenced when creating a new '**Scheduled Scan**' and as the target of an on-demand scan in the '**Run a scan**' area.

Just to clarify, antivirus scan profiles are purely concerned with the location of a scan, not the parameters of the scan. All scan profiles use the parameters as determined in the specific '**Scanner Settings**' tab of that type of scan.

To access the Scan Profiles interface

- Click 'Scan Profiles' from the main Antivirus Tasks Manager Screen.



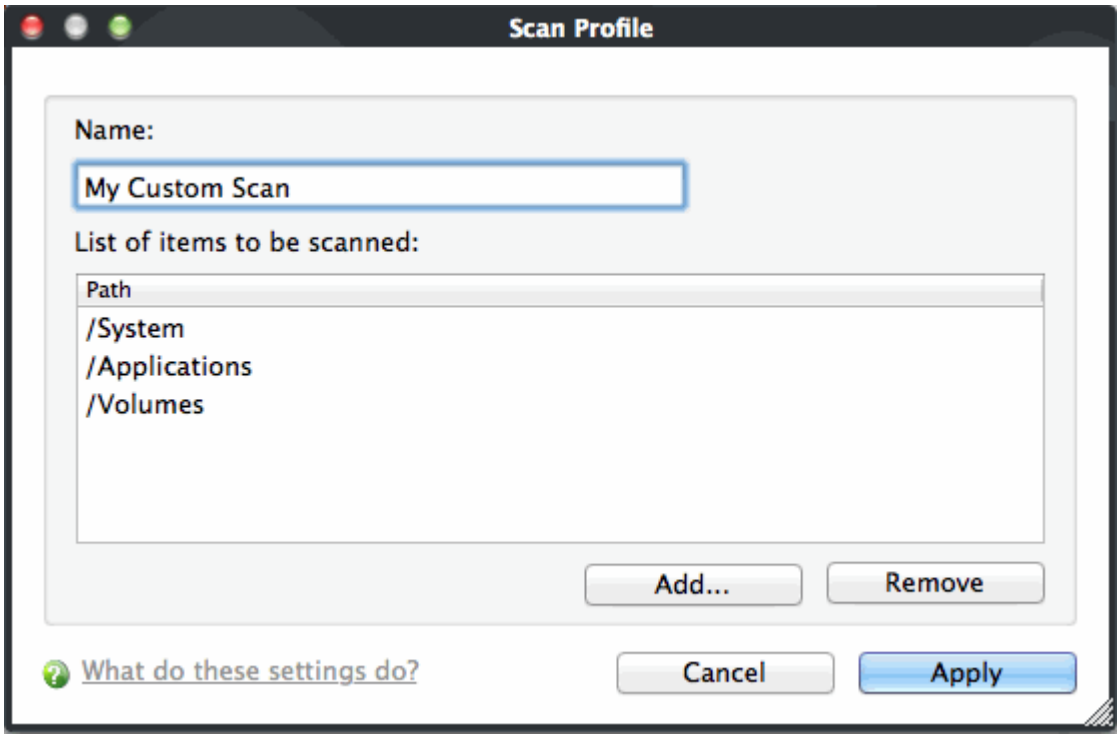
Comodo Antivirus contains two default Scan Profiles 'Full Scan' and 'Quick Scan'. These two profiles are predefined and cannot be edited or removed.

- **Full Scan -** When this Profile is selected, Comodo Antivirus scans every local drive, folder and file on your system.
- **Quick Scan** - When this profile is selected, Comodo Antivirus runs a targeted scan of important operating system files and folders.

You can select any one of these Scan Profiles if you want to scan the respective areas.

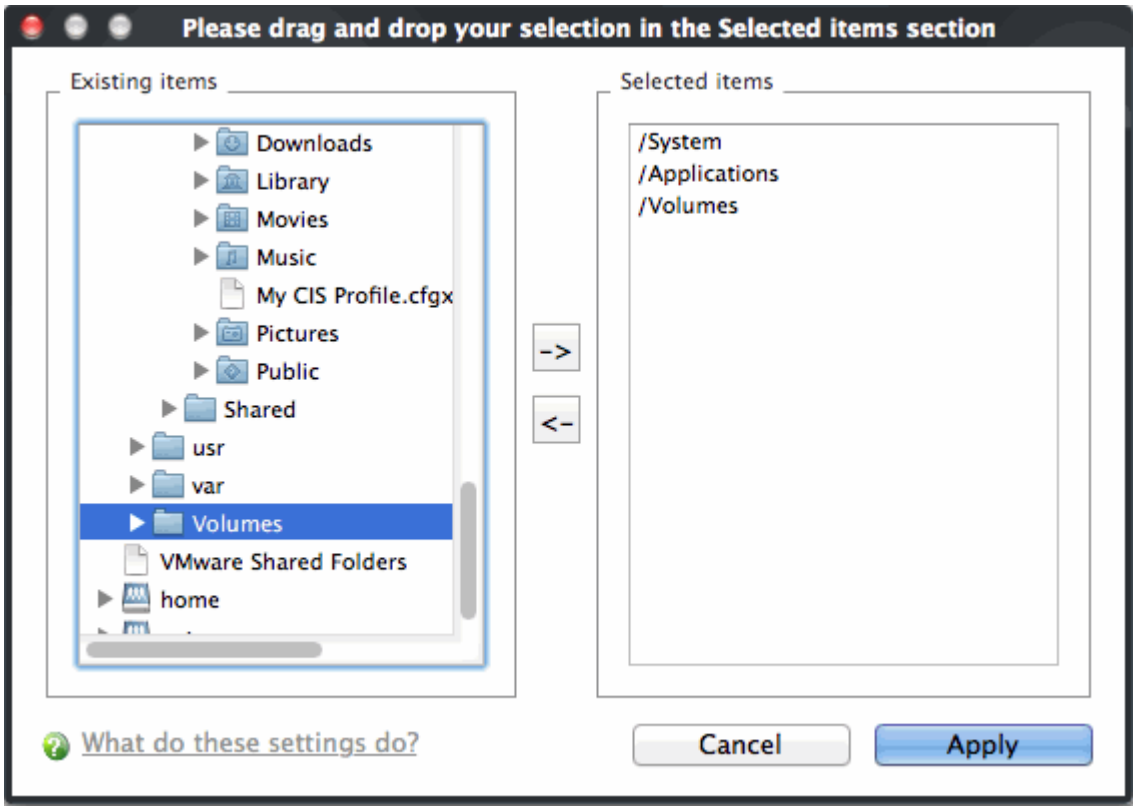
To create a new scan profile from the 'Scan Profiles interface

1. Click 'Scan Profiles' on the main Antivirus Tasks Manager Screen.
2. Click 'Add'. The 'Scan Profile' dialog appears.
3. Type a name for the scan profile and click 'Add' to add the items you wish to include in the scan:



A configuration screen appears, prompting you to select the locations to be scanned as part of the profile. The left column displays all possible items (drives, folders and files) on your system for which scanning is available.

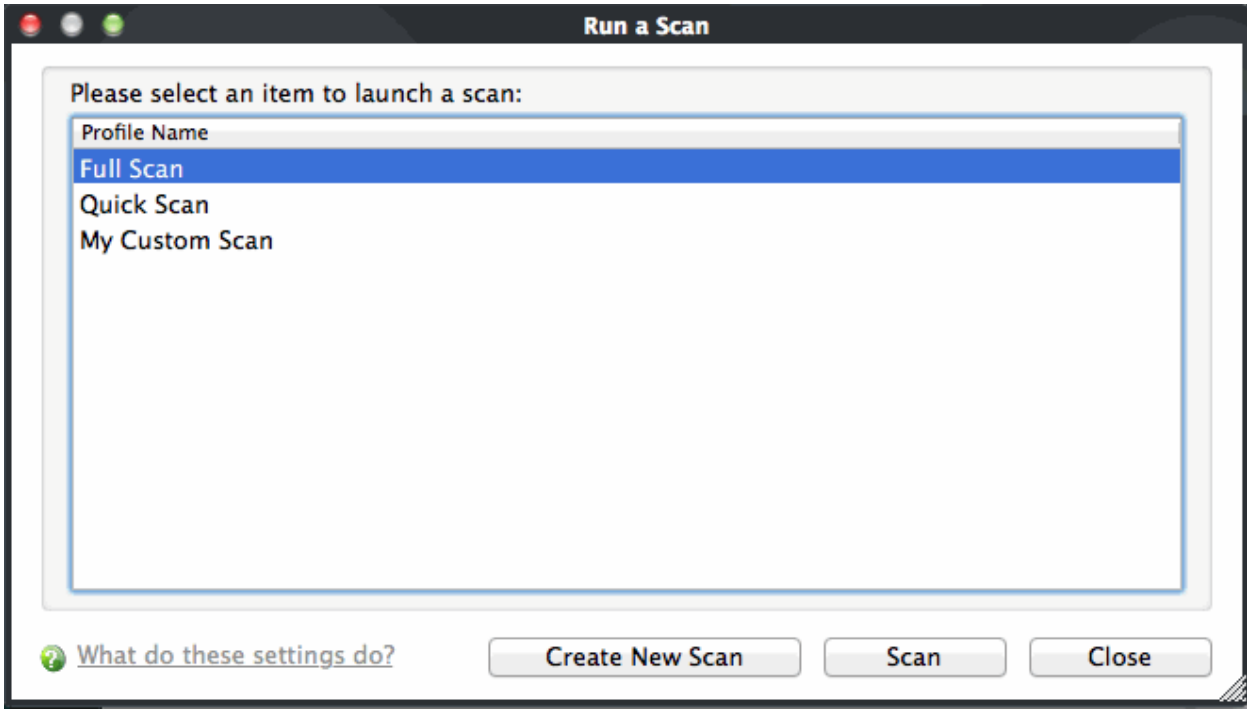
3. Browse to the folder location in the left column and select the folder.
4. Drag and drop all the files, folders and/or drives you require, into the right hand panel or select the files or folders and move them to right-hand pane by clicking the right arrow one by one. (If you want to revert a file, select the file from the right hand pane and click the left arrow).



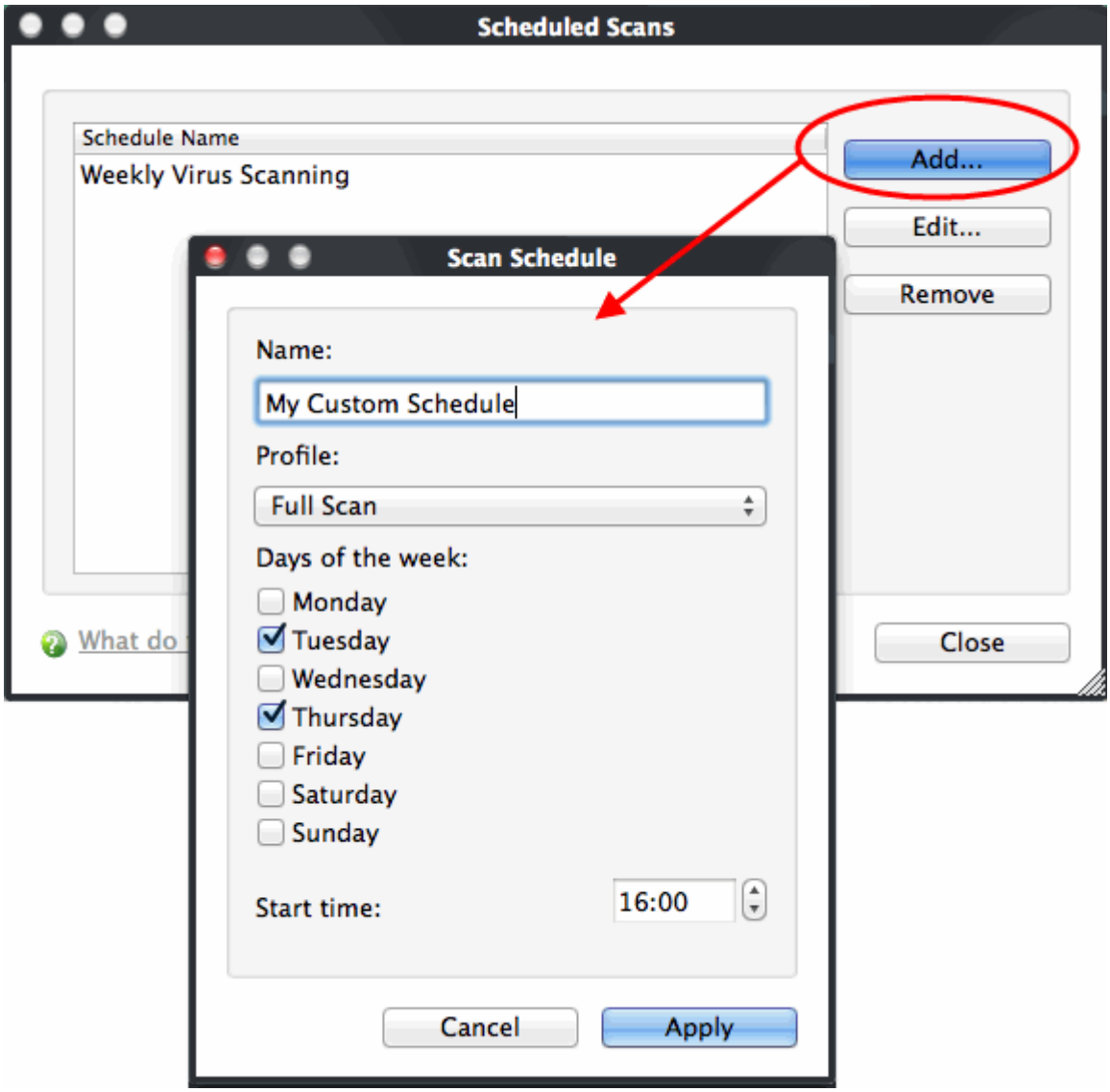
5. Click 'Apply'.

6. Repeat the process to create more Scan Profiles.
7. Click 'Apply' in the Scan Profiles interface for the created profiles to take effect.

You can see that the Scan Profile you have created, appearing as a target profile in the 'Run a Scan' panel...



...it is also available for selection during a scheduled scan in the drop-down.

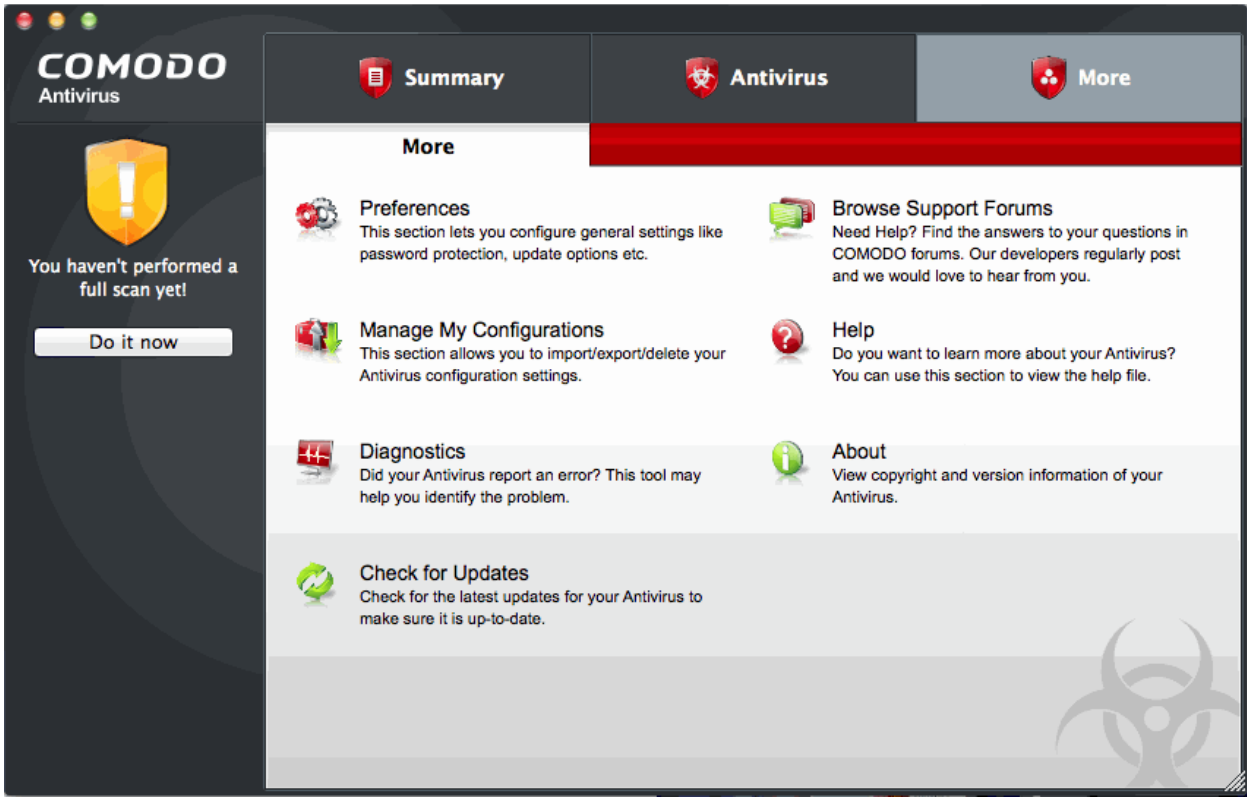


- To edit a Scan Profile, select the profile and click 'Edit'.
- To delete a Scan Profile, select the profile and click 'Remove'.

3.More Options-Introduction

The More Options area allows you to view and modify various program settings and also contains utilities and shortcuts to help enhance your experience with Comodo Antivirus.

It can be accessed at all times by clicking on the 'More' link from the navigation panel.

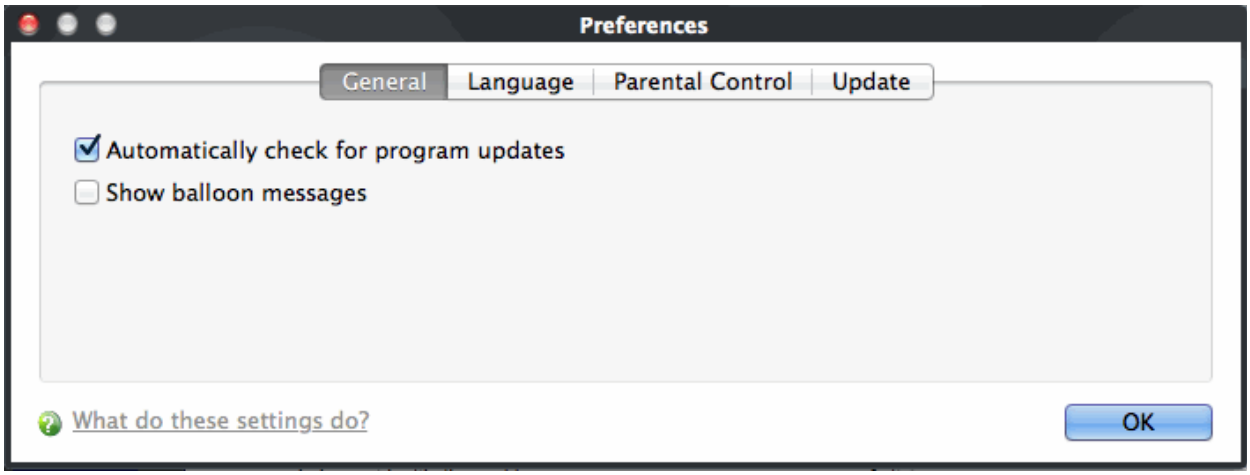


Click the links below to see detailed explanations of each area in this section.

- **Preferences:** Allows the user to configure general Comodo Antivirus settings (password protection, update options, language)
- **Manage My Configurations:** Allows the user to manage, import and export their Comodo Antivirus configuration profile.
- **Diagnostics:** Helps to identify any problems with your installation.
- **Check For Updates:** Launches the Comodo Antivirus updater.
- **Browse Support Forums:** Links to Comodo User Forums.
- **Help:** Launches the online help guide.
- **About:** Displays version and copy-right information about the product.

3.1. Preferences

The **Preferences** menu in the **More** section allows you to configure various options related to the operation of Comodo Antivirus.



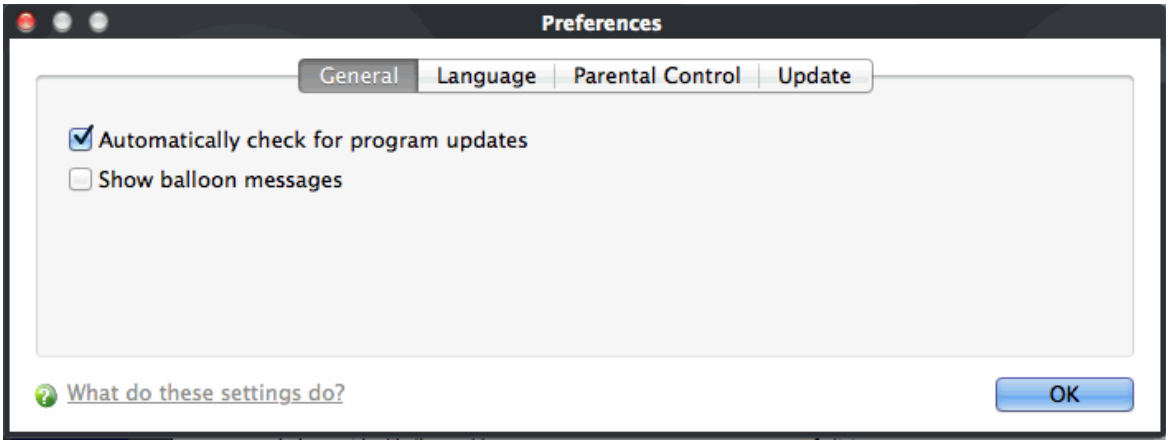
To open Preferences

- Click 'More' then 'Preferences'

The preferences dialog contains the following areas:

- **General**
- **Language**
- **Parental Control**
- **Update**

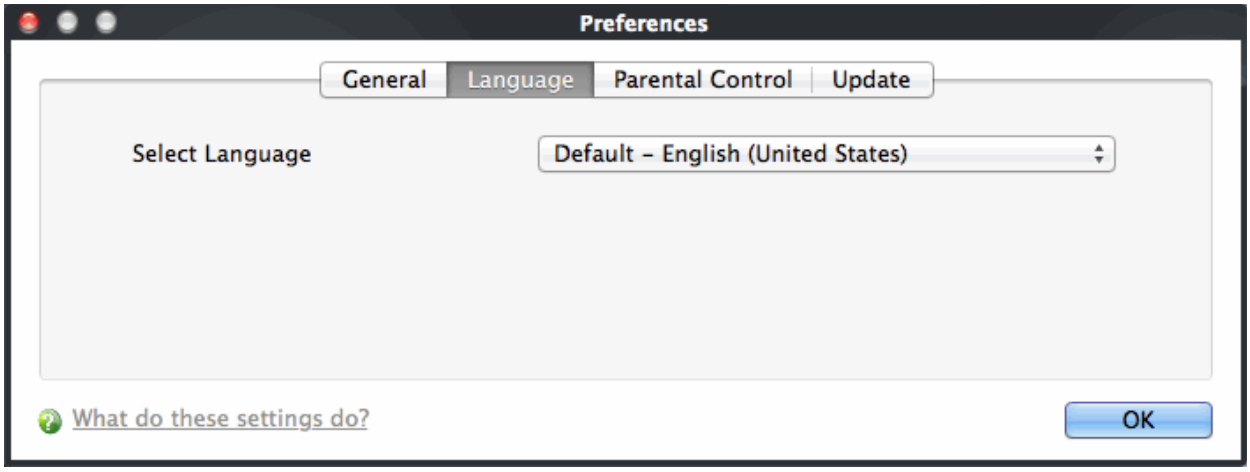
3.1.1. General Settings



- **Automatically Check for the program updates** - This option determines whether or not Comodo Antivirus should automatically contact Comodo servers for updates. With this option selected, Comodo Antivirus automatically checks for updates every 24 hours AND every time you start your computer. If updates are found, they are automatically downloaded and installed. We recommend that users leave this setting enabled to maintain the highest levels of protection. Users who choose to disable automatic updates can download them manually by clicking '**Check for Updates**' n the 'More...' section ***(Default = Enabled).***
- **Show the balloon messages** - These are the notifications that appear in the bottom right hand corner of your screen - just above the tray icons. Usually these messages like *'Comodo Antivirus is learning'* and are generated when these modules are learning the activity of previously unknown components of trusted applications. Clear this check box if you do not want to see these messages ***(Default = Disabled).***

3.1.2. Language

The **Language** tab allows you to choose the interface language of Comodo Antivirus

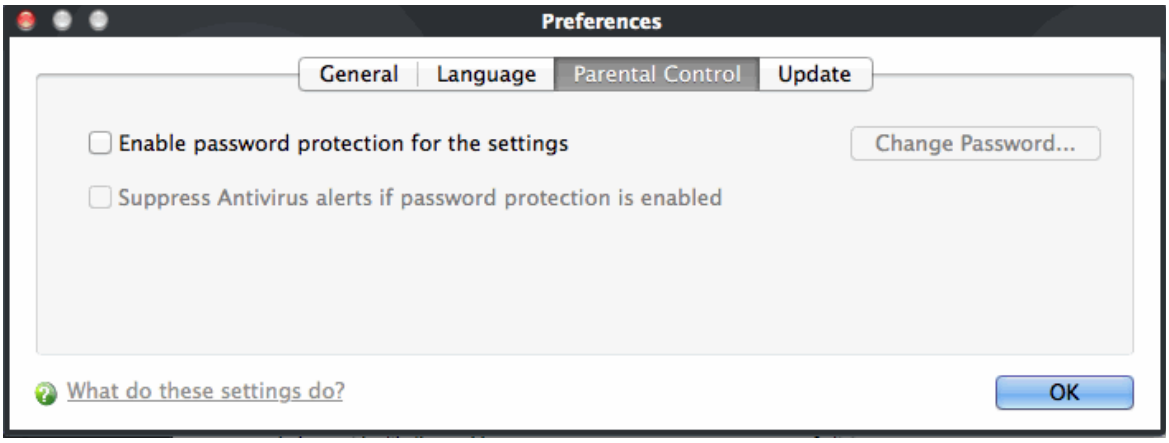


Comodo Antivirus is available in multiple languages. You can switch between installed languages by selecting from the 'Language' drop-down menu ***(Default = English (United States)).***

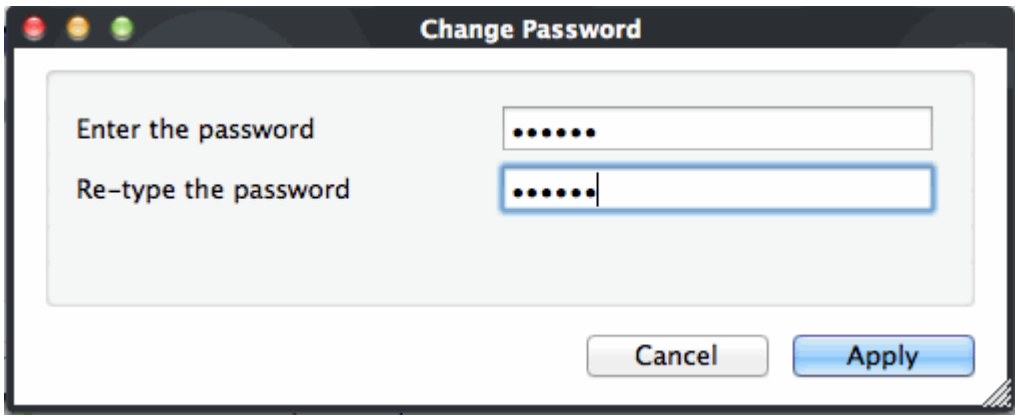
In order for your language to take effect, you must restart the application.

3.1.3. Parental Control Settings

The **Parental Control** tab allows you to configure password protection for Comodo Antivirus.



- **Enable password protection for settings -** Selecting this option activates password protection for all important configuration sections and wizards within the interface. If you choose this option, you must first specify and confirm a password by clicking the 'Change Password... ' button. You are asked for this password every time you try to access important configuration areas **(** **Antivirus Tasks** areas require this password before allowing you to view or modify their settings).

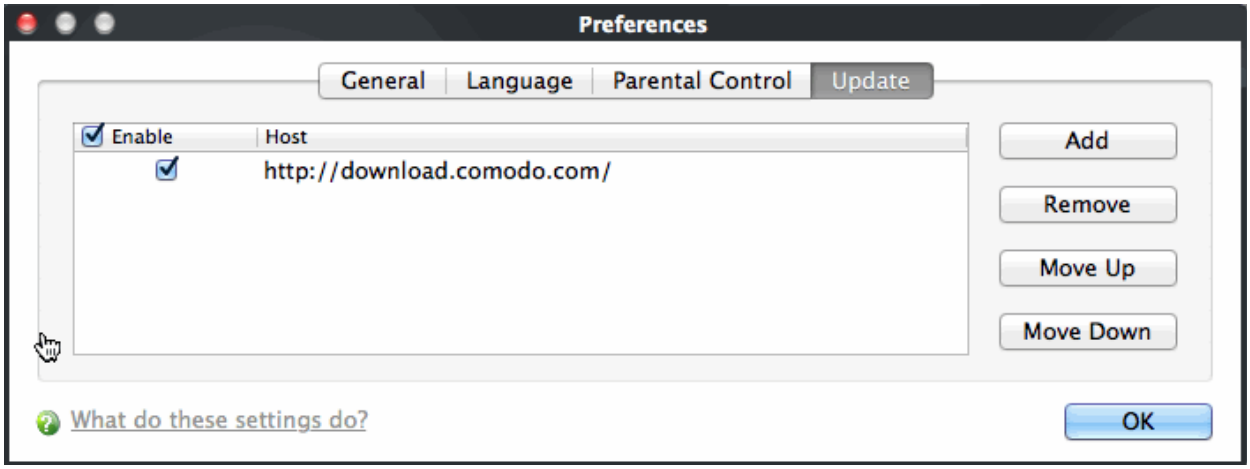


This setting is of particular value to parents, network administrators and administrators of shared computers to prevent other users from modifying critical settings and possibly exposing the machine to threats ***(Default = Disabled).***

- **Suppress Antivirus alerts when password protection is enabled -** If selected, any detected threats will be automatically blocked but no Antivirus Alerts will be displayed. **Password protection** needs to be enabled for this option to become available. Parents and network administrators may want to enable this setting if they do not want users to be made aware when an Antivirus alert has been triggered. For example, a virus program may be attempting to copy itself and infect user's computer without permission or knowledge of the user. Usually, the Antivirus would generate an alert and ask the user how to proceed. If that user is a child or an inexperienced user then they may unwittingly click 'allow' just to 'get rid' of the alert and/or gain access to the website in question - thus exposing the machine to attack. ***(Default = Disabled)***.

3.1.4. Update Settings

The **Update** tab allows you enable/disable CAV program updates and to select the host from which the updates are to be downloaded. By default, updates are downloaded from **http://download.comodo.com**



- Leave this setting alone if you always want to download the updates from Comodo servers
- You can add the URL of an alternative download host if required. For example, if CAV updates are available on a server on your local network which is running Comodo Offline Updater.
  - To add a host, click 'Add' and enter the URL or IP address of the host in the next row that appears.
  - Repeat the process for adding multiple hosts.
  - Select the host by using the Move Up and Move Down buttons.
  - CAV will automatically check the host specified here and download the updates from the host even when you are offline.
- Click 'OK' for your settings to take effect.

Note: CAV program updates can also be checked manually. Click 'More Options' > 'Check For Updates' if you wish to update manually. **Click here** to view the help page on manual updates.

3.2. Manage My Configurations

Comodo Antivirus allows you to maintain, save and export multiple configurations of your security settings. This is especially useful if you are a network administrator looking to roll out a standard security configuration across multiple computers. If you are upgrading your system and there is a need to uninstall and re-install Comodo Antivirus, you can export your configuration settings to a safe place before uninstallation. After re-installation, you can import the configuration settings to take effect in your newly installed Comodo Antivirus.

This feature is also a great time saver for anyone with more than one computer because it allows you to quickly implement your security settings on other computers that you own without having to manually re-configure them.

- **Comodo Preset Configurations**
- **Importing/Exporting and Managing Personal Configurations**

3.2.1. Comodo Preset Configurations

Comodo Antivirus ships with preset configurations that strike a good balance between security and usability. The profile that is currently in use is the 'Active' profile.

Important Note: Any changes you make to settings over the course of time are recorded in (and will update) the 'active' profile. Exporting the active profile will, therefore, export your settings as they currently stand.

Before modification, the '**Comodo Antivirus for MAC**' profile has the following default settings:

- Automatic Program Updates - ON
- Automatic Virus Updates - ON
- Do not scan files larger than - 20 MB (all scanner types)
- Real Time Scanning – On Access

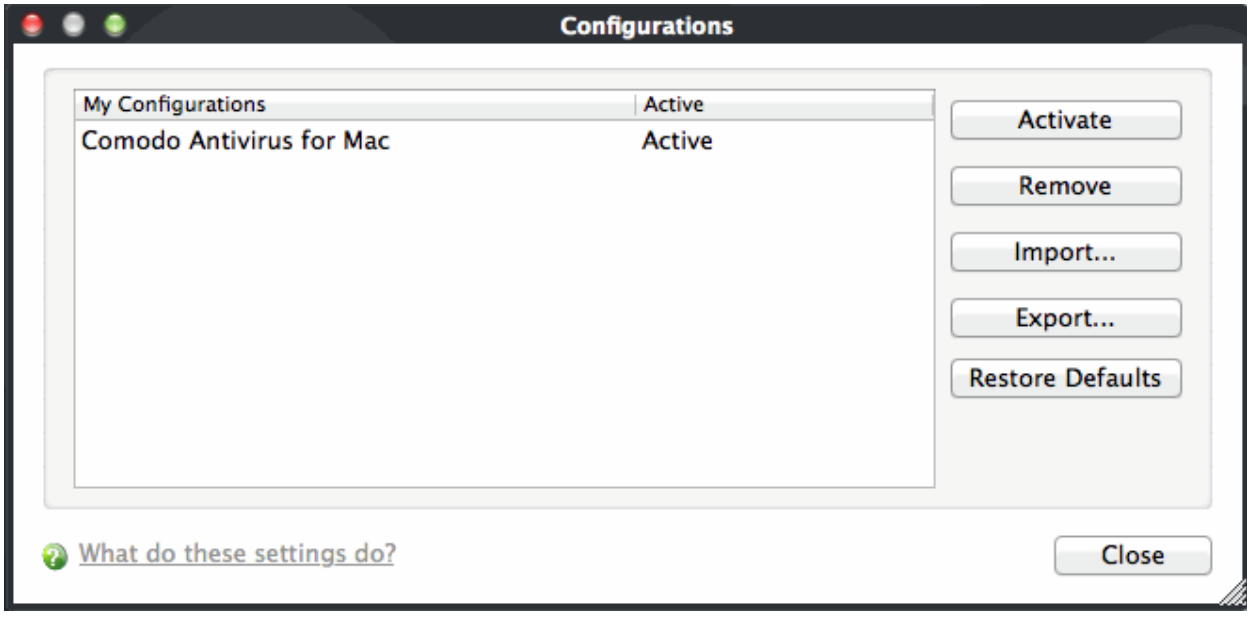
Over time, you may have made changes that have altered this profile. If you want to restore the settings above, then click 'Restore Defaults'.

You can switch to a preset configuration in the 'Configurations' interface.

3.2.2. Importing/Exporting And Managing Personal Configurations

To access the Configurations interface

1. Navigate to 'More > Manage My Configurations'.



By default, the interface contains one preset configuration - 'Comodo Antivirus for MAC'. The currently active configuration is indicated as 'Active' in this interface.

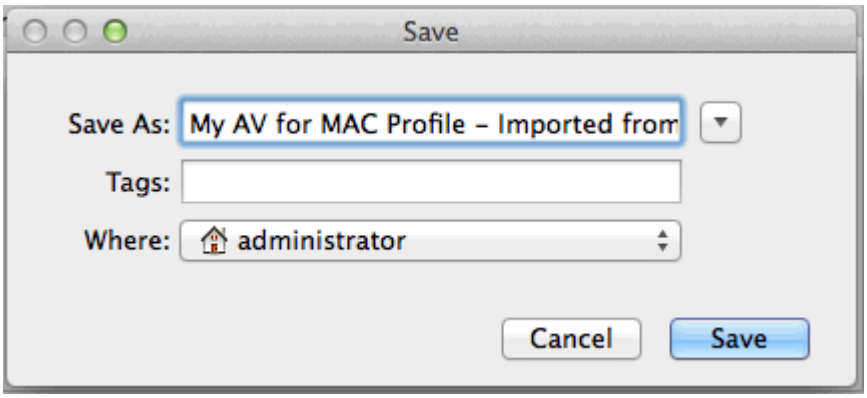
2. Click the area on which you would like more information:
   - **Export my configuration to a file**
   - **Import a saved configuration from a file**
   - **Select a different active configuration setting**
   - **Delete a inactive configuration profile**

Export my configuration to a file

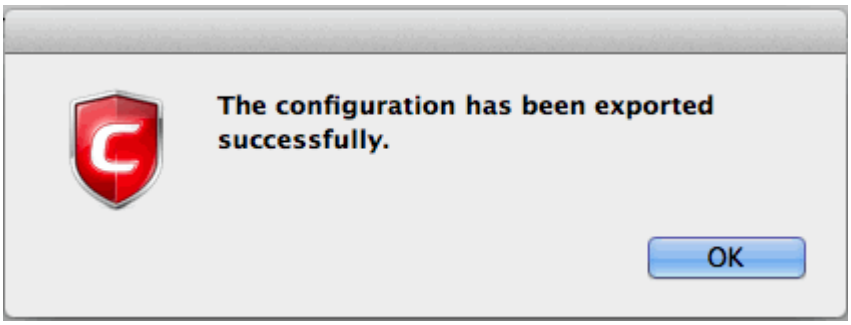
To export your currently active configuration

3. Select the configuration and click the 'Export' button.

4. Type a file name for the profile (e.g., 'My AV for MAC Profile') and save to the location of your choice. Or select a path to export the configuration dialog by clicking the arrow button beside the 'Save As' text box.



A confirmation dialog appears for the successful export of the configuration.

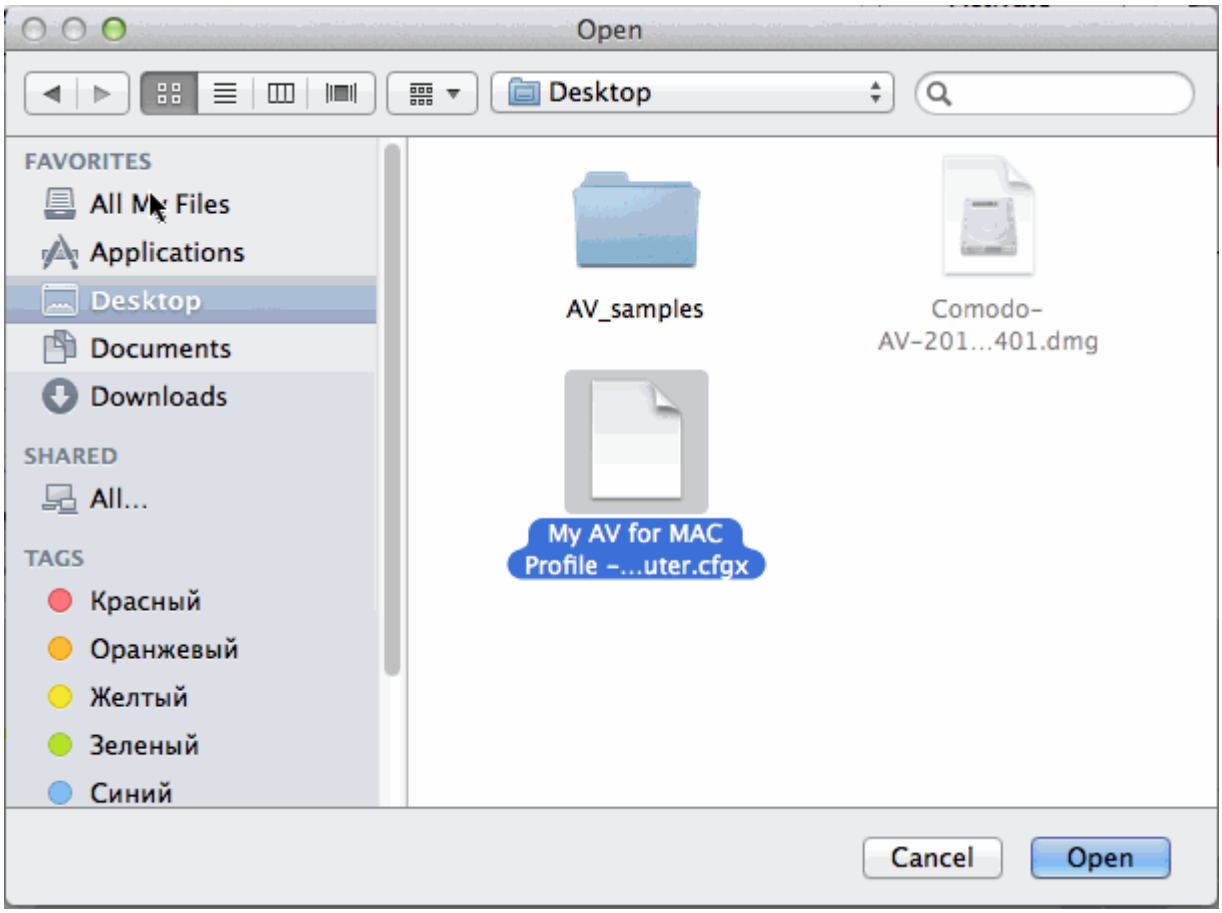


Import a saved configuration from a file

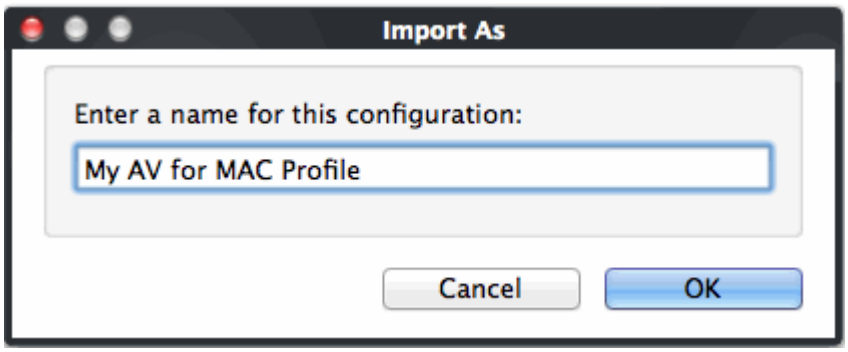
Importing a configuration profile allows you to store any profile within Comodo Antivirus. Any profiles you import do not become active until you **select them for use**.

To import a profile

1. Click the 'Import' button.
2. Browse to the location of the saved profile and click 'Open'.

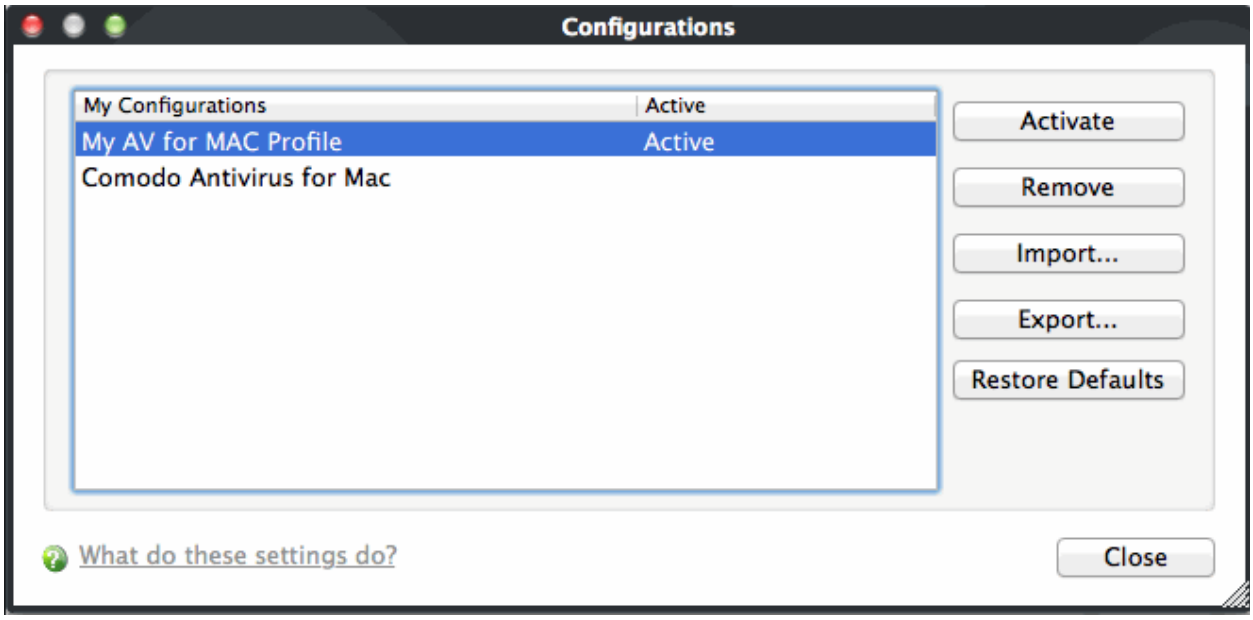


3. In the 'Import As' dialog that appears, assign a name for the profile you wish to import and click 'OK'.



A confirmation dialog appears indicating the successful import of the profile.

Once imported, the configuration profile is available for deployment by **selecting it**.



Select and Implement a different configuration profile

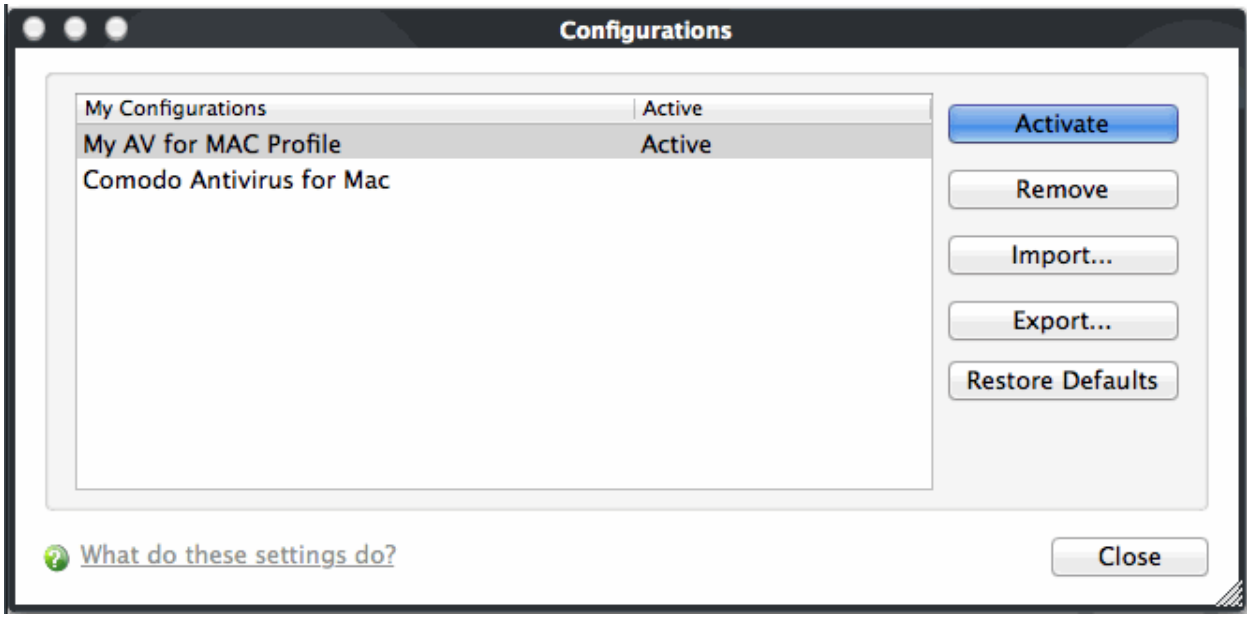
The **Activate** option allows you to quickly switch between configuration profiles.

To select a different configuration

1. Click on the profile you want to select and activate.
2. Click the 'Activate' button.

A confirmation dialog appears.

The selected configuration is activated.

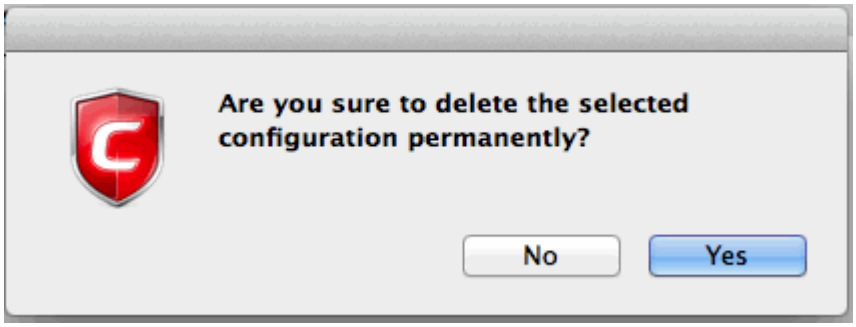


Delete an inactive configuration profile

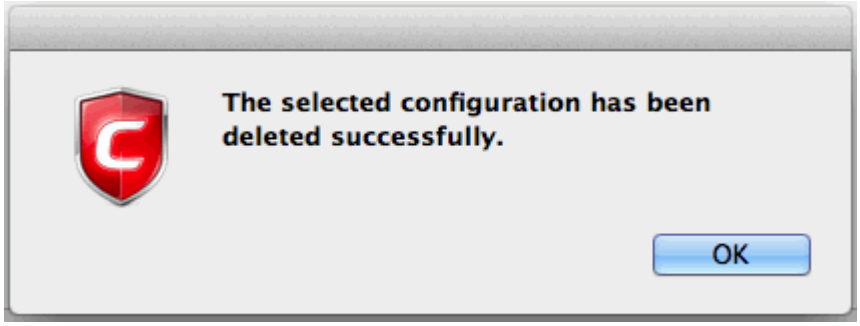
You can remove any unwanted configuration profiles using the 'Remove' button. You cannot delete the profile that Comodo Antivirus is currently using - only the inactive ones. For example if the Antivirus for MAC is the active profile, you can only delete the inactive profiles.

To remove an unwanted profile

1. Select the profile and click 'Remove' button. A confirmation dialog appears.

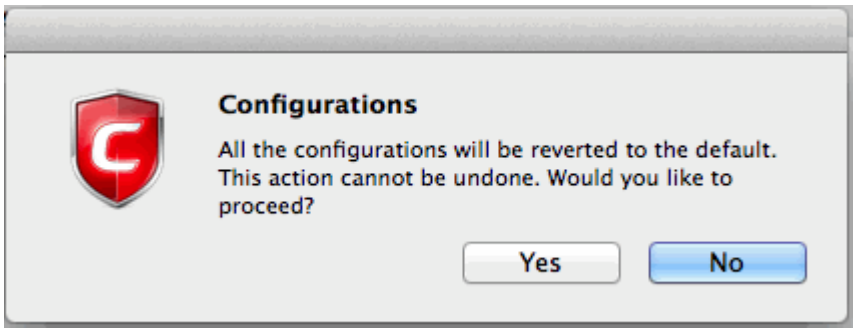


2. Click 'Yes' if you are sure to delete. The selected profile is removed from the list and a confirmation dialog appears.



To reset to a default profile

1. Select the profile and click 'Restore to Defaults' button. A confirmation dialog appears.

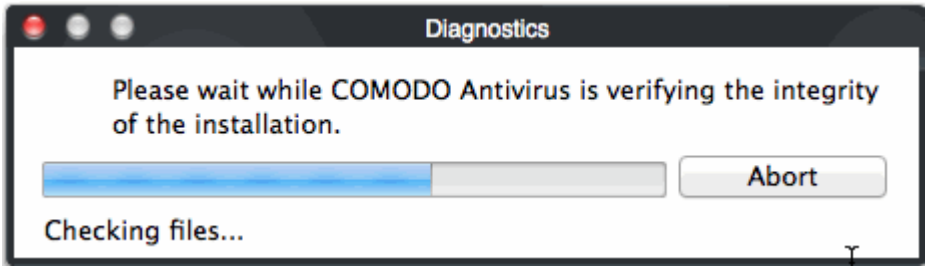


2. Click 'Yes' if you are sure to restore.

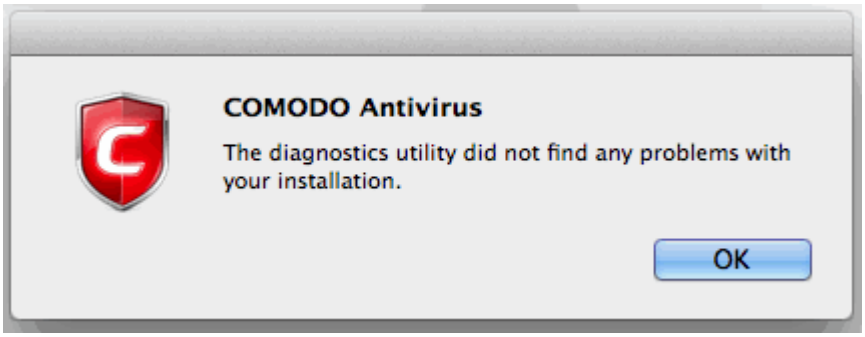
3.3. Diagnostics

Comodo Antivirus has it's own integrity checker. This checker scans your system to make sure that the application is installed correctly. It checks:

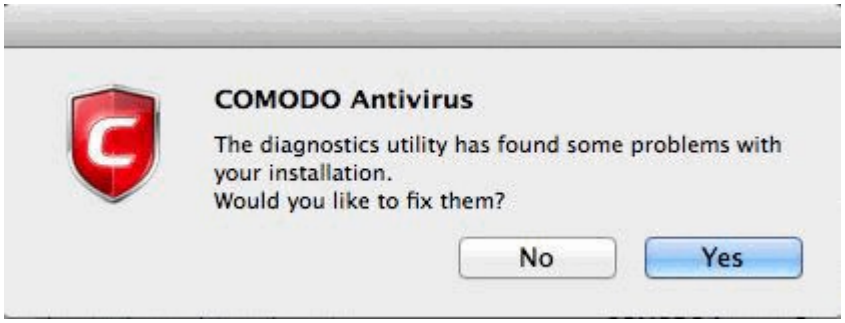
- File System - To check that all of Comodo's system files are present and have been correctly installed.
- Registry - To check that all of Comodo's registry keys are present and in the correctly installed.
- Incompatible software. Checks for the presence of software that is known to have compatibility issues with Comodo Antivirus.



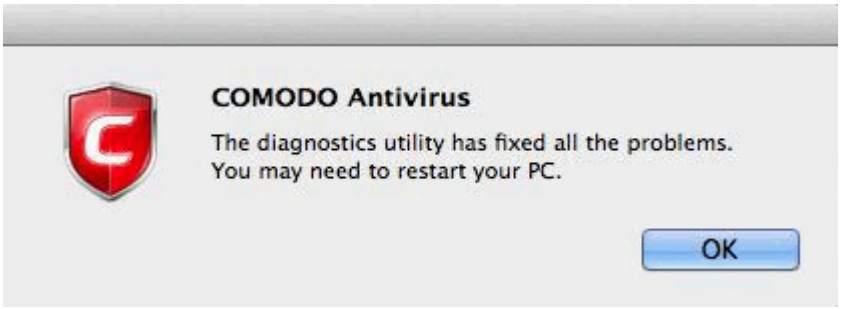
The results of the scan are shown in the following pop-up window. If your installation does not have any errors the following dialog is displayed.



If the diagnostics utility has found some errors in the installation, the following dialog is displayed.



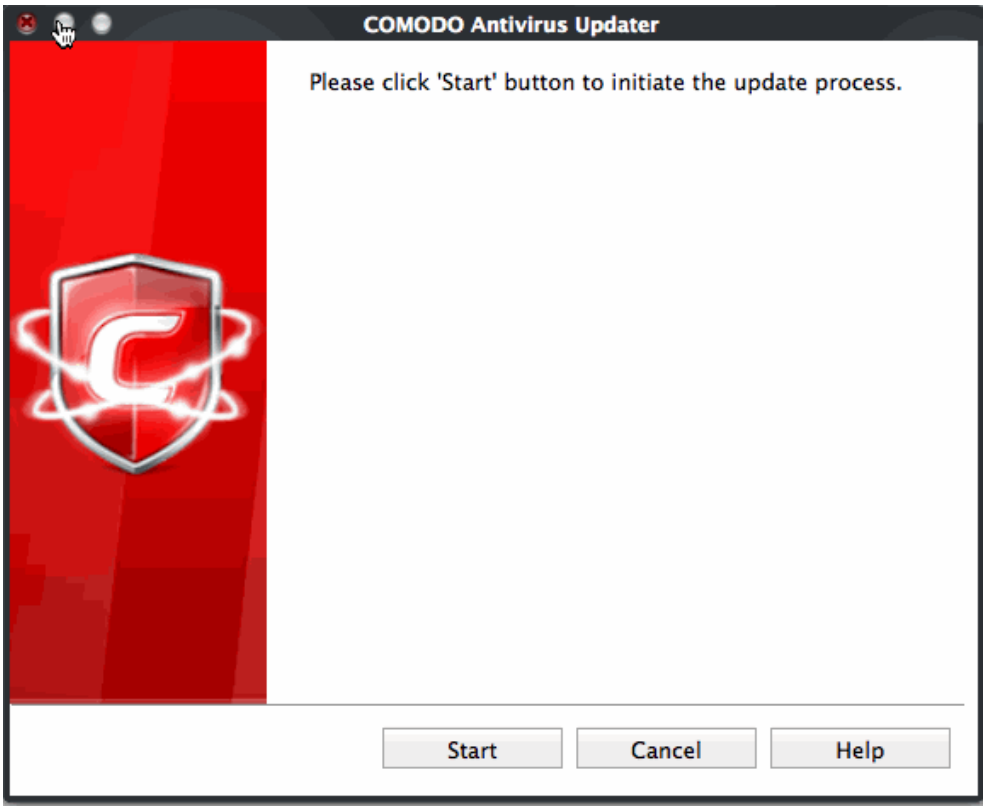
Click 'Yes'. The diagnostics utility automatically fixes the problems and prompts you to restart the computer.



Restart your computer for the changes to take effect.

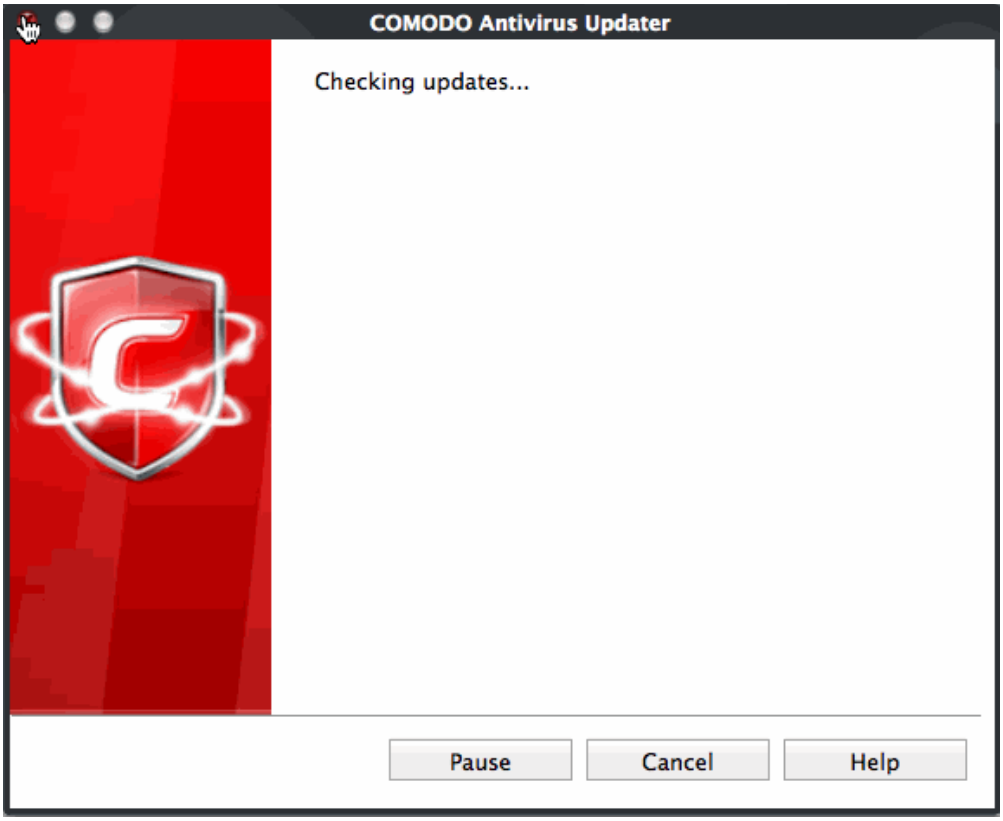
3.4. Check for Updates

Comodo Antivirus updates can be downloaded and installed at any time by clicking the 'Check for Updates' link in the 'More' interface.

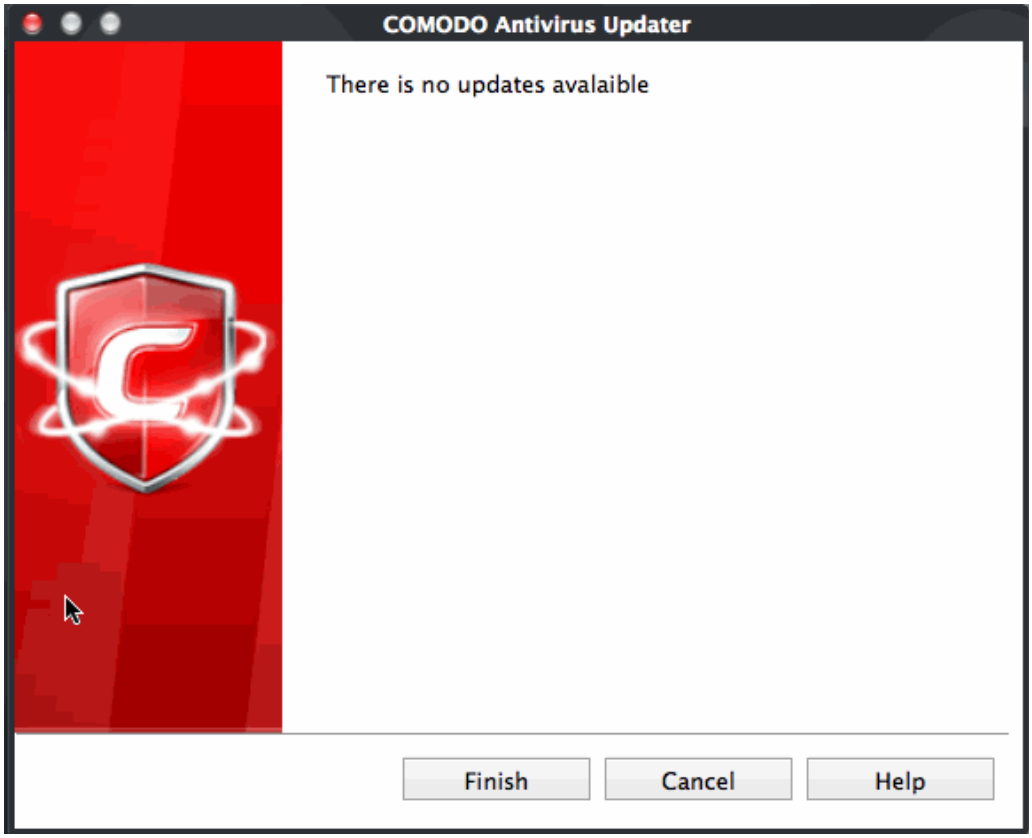


To check for availability of updates

- Click 'Start'.



On completion of checking, the application will be updated automatically and the screen shows everything is up-to-date.

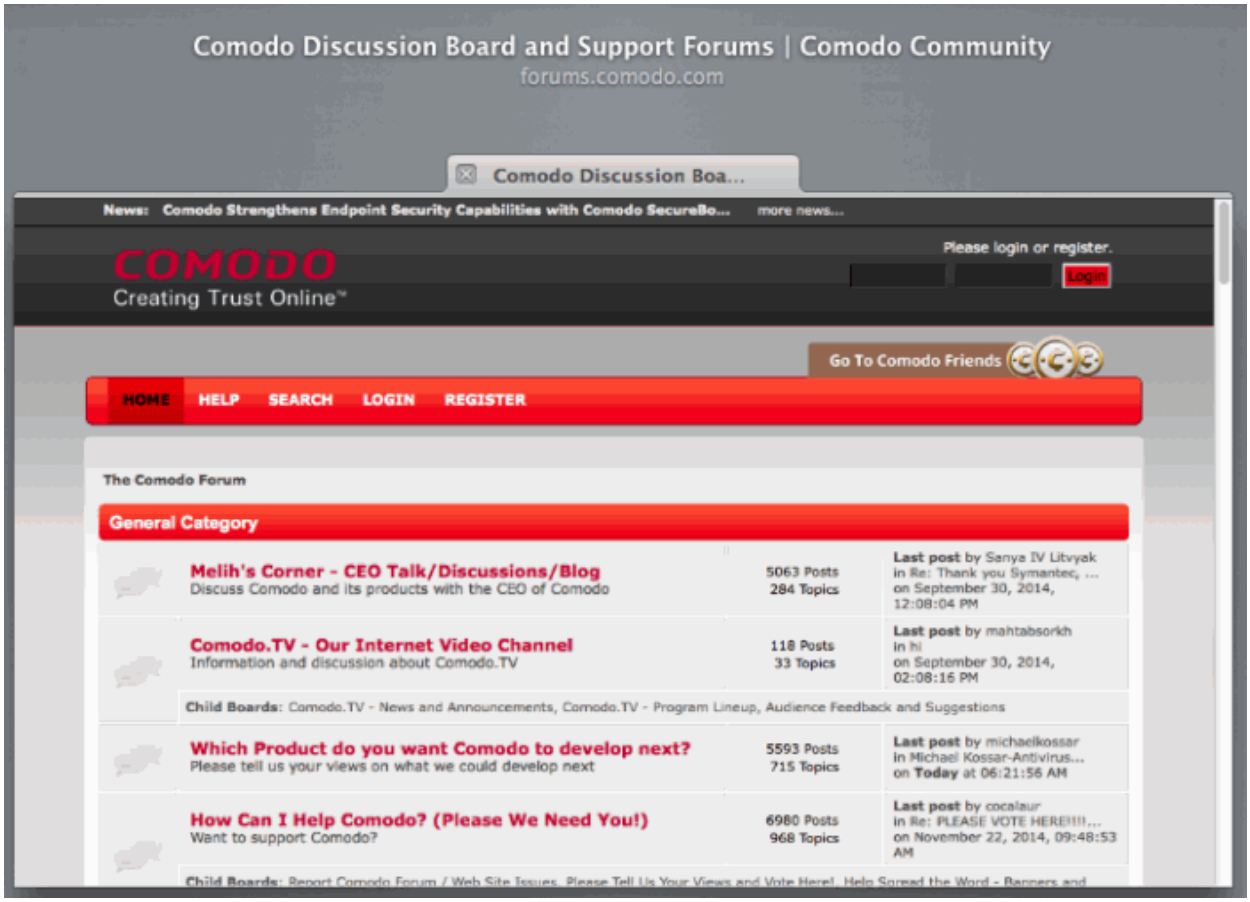


Click 'Finish' to close the window.

3.5. Browse Support Forums

The fastest way to get further assistance on Comodo Antivirus is by posting your questions on Comodo Forums, a message board exclusively created for our users to discuss anything related to our products.

- Click the **Browse Support Forums** link to be taken straight to the website at **http://forums.comodo.com**. Registration is free and you'll benefit from the expert contributions of developers and fellow users alike.

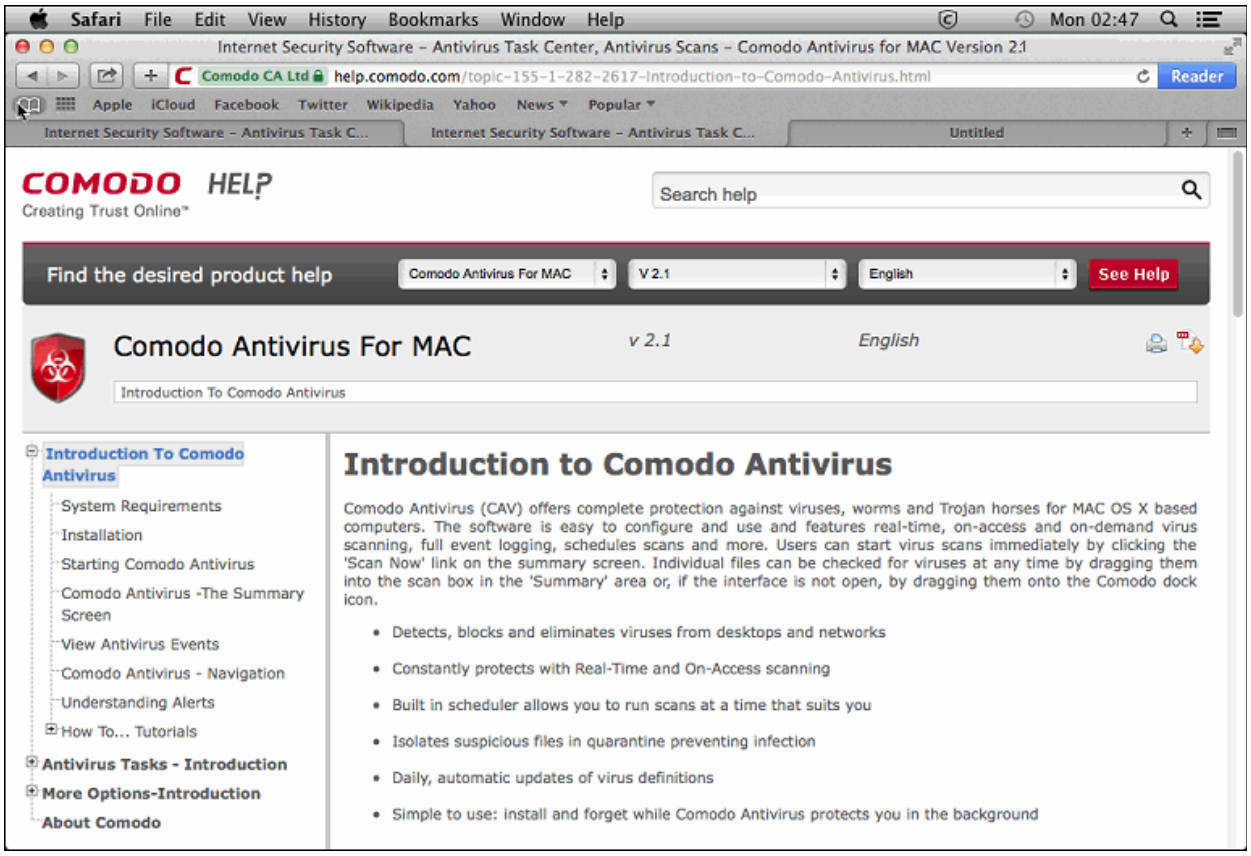


Online Knowledge Base

We also have an online knowledge base and support ticketing system at **http://support.comodo.com**. Registration is free.

3.6. Help

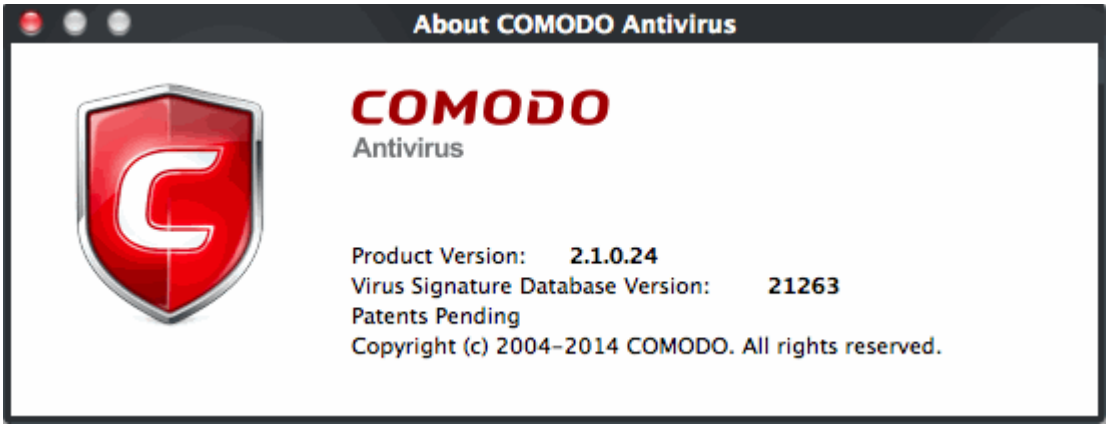
Clicking the **Help** link in the **More** section opens the online help guide hosted at **http://help.comodo.com/**. Each area has its own dedicated page containing detailed descriptions of the application's functionality.



You can also print or download the help guide in .pdf format from the webpage.

3.7. About

Click the 'About' option in the 'More' Screen to view the 'About' information dialog.



The 'About' dialog displays the copyright information and the information on the version number of Comodo Antivirus on your computer.

About Comodo

The Comodo companies are leading global providers of Security, Identity and Trust Assurance services on the Internet. Comodo CA offers a comprehensive array of PKI Digital Certificates and Management Services, Identity and Content Authentication (Two-Factor - Multi-Factor) software, and Network Vulnerability Scanning and PCI compliance solutions. In addition, with over 10,000,000 installations of its threat prevention products, Comodo Security Solutions maintains an extensive suite of endpoint security software and services for businesses and consumers.

Continual innovation, a core competence in PKI and a commitment to reversing the growth of Internet-crime distinguish the Comodo companies as vital players in the Internet's ongoing development. Comodo, with offices in the US, UK, China, India, Romania and the Ukraine, secures and authenticates the online transactions and communications for over 200,000 business customers and millions of consumers, providing the intelligent security, authentication and assurance services necessary for trust in on-line transactions.

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For additional information on Comodo - visit **http://www.comodo.com**.