

COMPUTER HEALTHCARE VII

Palm Creek RV and Golf Resort
December 23, 2015 – Revisit for Virus Protection

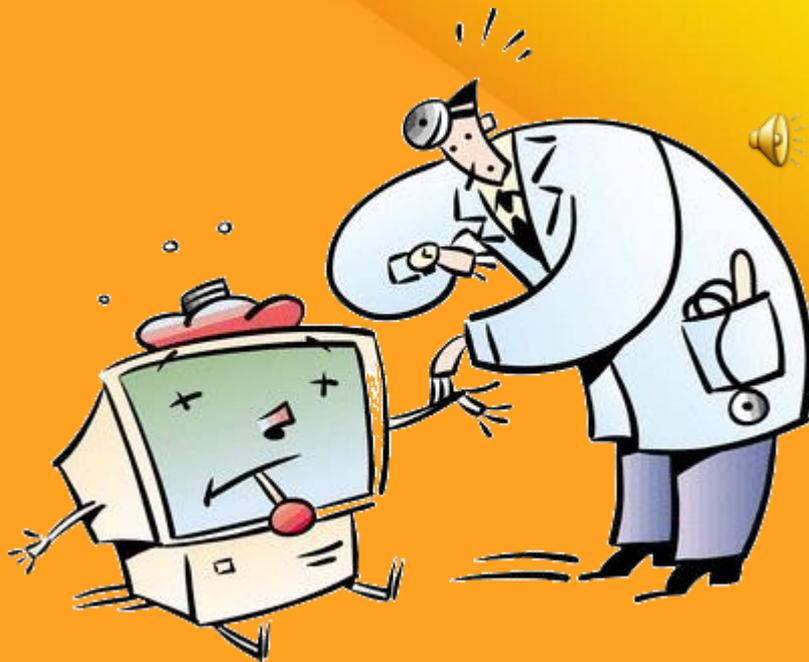


**“If you don’t have time
to do it right the first time,
When will you have time
to fix your mistakes?”**

*Garth
Vanstone*



Virus Protection



Please Practice Safe Computing! Microsoft Security Essentials – and it's Free!

Windows 7

<http://windows.microsoft.com/en-CA/windows/security-essentials-download>

I'll never remember that URL!!!!

Just SEARCH for **Microsoft Security Essentials**



Windows 8

- ✓ It's Included in the Windows 8 and 8.1 Install!
- ✓ **It's FREE!!!!!!**
- ✓ You DO NOT have to pay for Virus Protection!

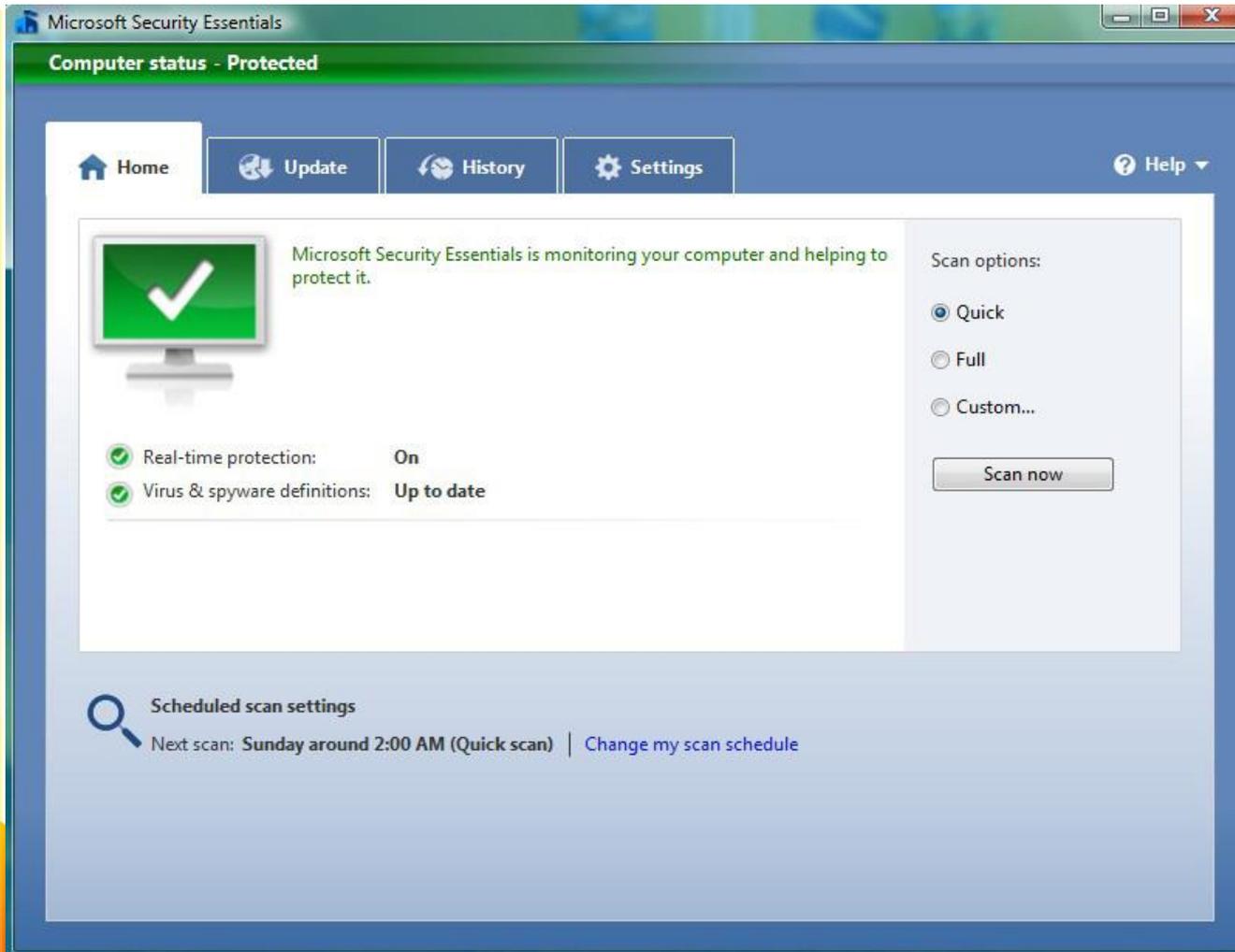


Windows 10

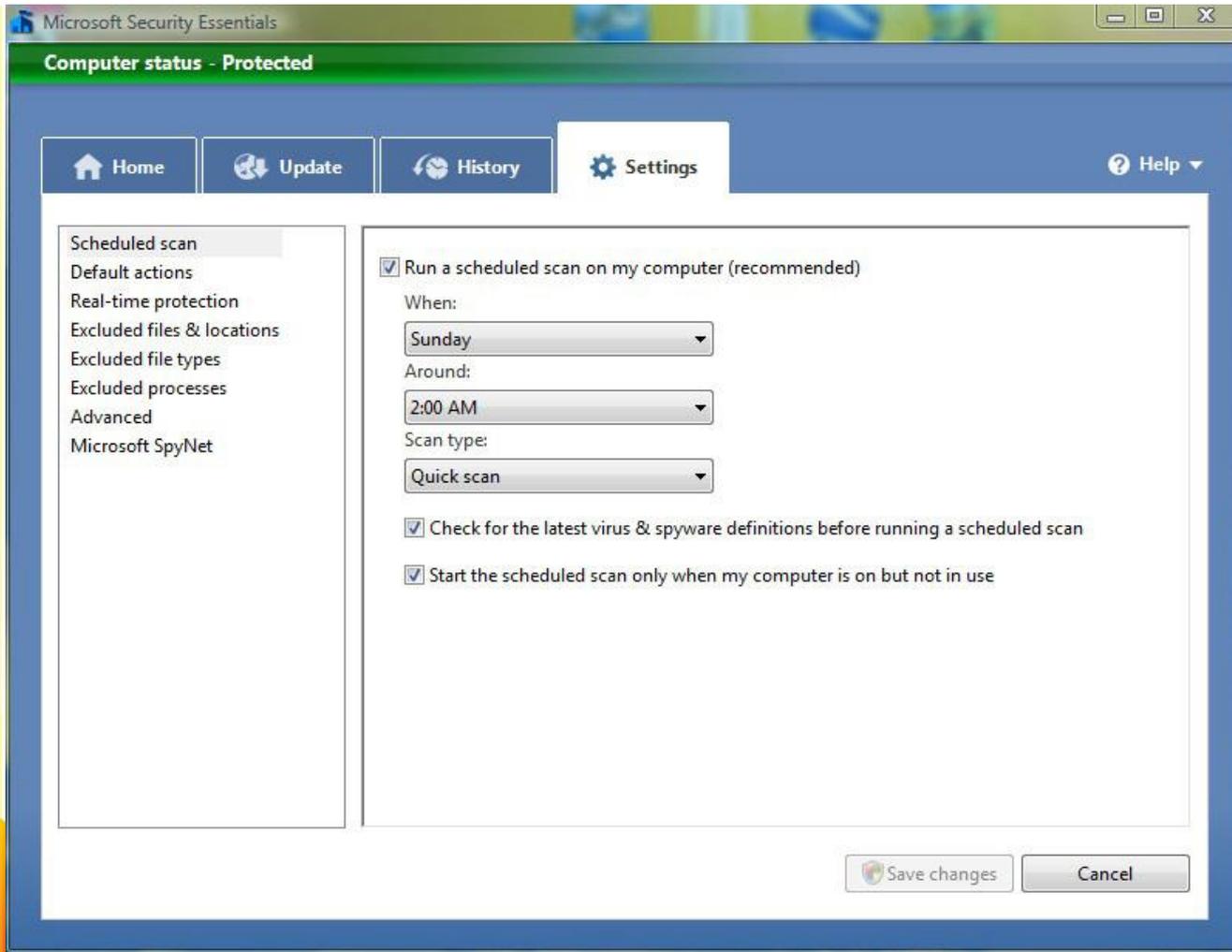
- ✓ It's Included but is now called **Windows Defender**
- ✓ **It's FREE!!!!!!**
- ✓ You DO NOT have to pay for Virus Protection!



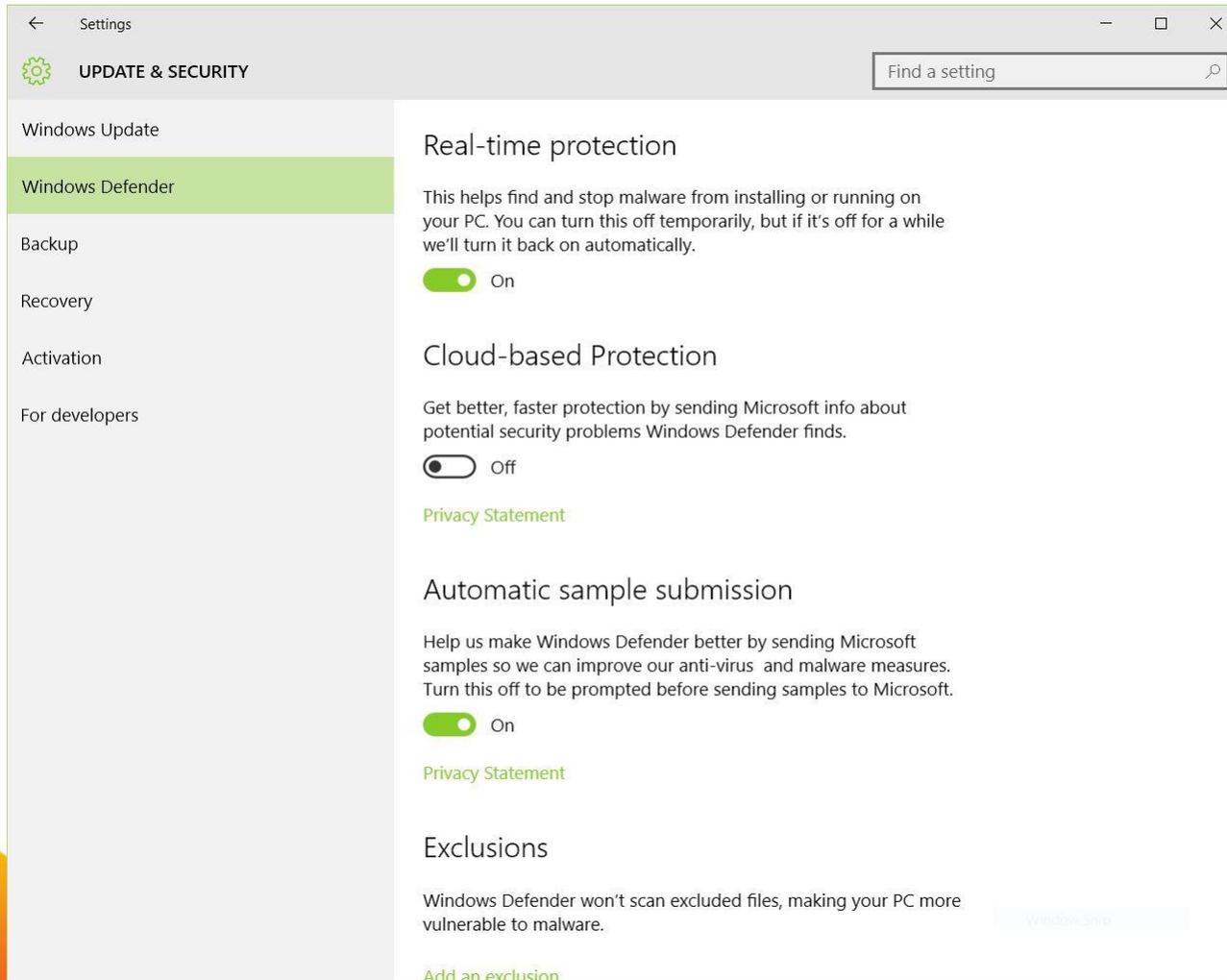
Microsoft Security Essentials



Microsoft Security Essentials



Microsoft Defender



The screenshot shows the Windows Settings application, specifically the 'UPDATE & SECURITY' section. The 'Windows Defender' option is selected in the left-hand navigation pane. The main content area displays the 'Real-time protection' settings, which are currently turned 'On'. Below this, 'Cloud-based Protection' is shown as 'Off'. The 'Automatic sample submission' option is also turned 'On'. At the bottom, there is an 'Exclusions' section with a link to 'Add an exclusion'. The interface includes a search bar at the top right and a 'Windows Store' button at the bottom right.

Settings

UPDATE & SECURITY

Find a setting

Windows Update

Windows Defender

Backup

Recovery

Activation

For developers

Real-time protection

This helps find and stop malware from installing or running on your PC. You can turn this off temporarily, but if it's off for a while we'll turn it back on automatically.

On

Cloud-based Protection

Get better, faster protection by sending Microsoft info about potential security problems Windows Defender finds.

Off

[Privacy Statement](#)

Automatic sample submission

Help us make Windows Defender better by sending Microsoft samples so we can improve our anti-virus and malware measures. Turn this off to be prompted before sending samples to Microsoft.

On

[Privacy Statement](#)

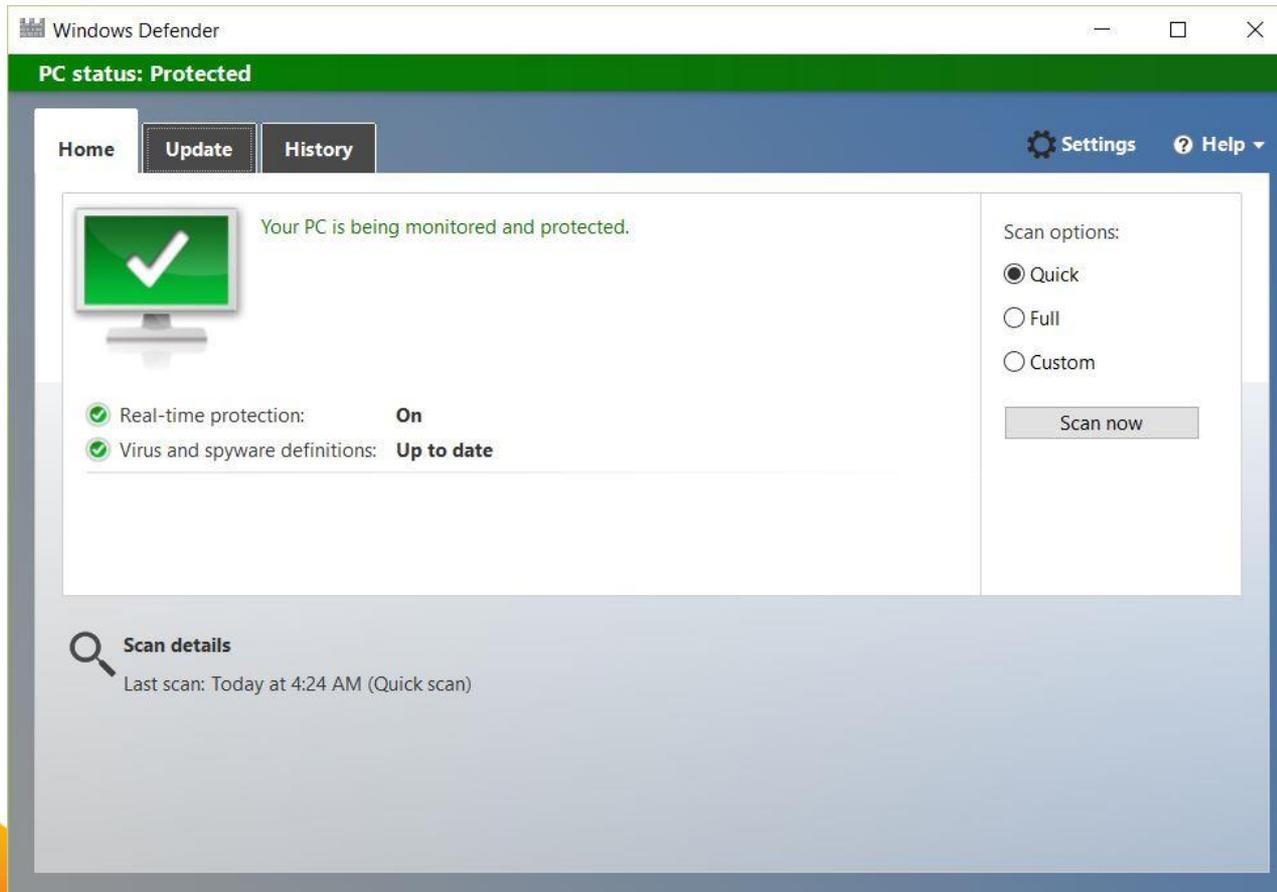
Exclusions

Windows Defender won't scan excluded files, making your PC more vulnerable to malware.

[Add an exclusion](#)

Windows Store

Microsoft Defender – cont'd



Malware

What is malware and how can we prevent it?

- [Malware](#) is an abbreviated term meaning “malicious software.” This is software that is specifically designed to gain access or damage a computer without the knowledge of the owner. There are various types of malware including [spyware](#), keyloggers, true viruses, worms, or any type of malicious code that infiltrates a computer.
- Generally, software is considered malware based on the intent of the creator rather than its actual features. Malware creation is on the rise due to the sheer volume of new types created daily and the lure of money that can be made through organized internet crime.



Malware – cont'd

- Malware was originally created as experiments and pranks, but eventually led to vandalism and destruction of targeted machines.
- Today, much of malware is created for profit through forced advertising (adware), stealing sensitive information (spyware), spreading email [spam](#) or child pornography (zombie computers), or to extort money (ransomware).
- Various factors can make computers more vulnerable to malware attacks, including defects in the operating system design, having all of the computers on a network run the same OS, giving users too much permissions or just using the Windows OS (due to its popularity, it gets the most malware written for it). The best protection from malware continues to be the usual advice: be careful about what email attachments you open, be cautious when surfing and stay away from suspicious websites, and install and maintain an updated, quality [antivirus](#) program.



Malwarebytes

Malwarebytes Anti-Malware Home (Free) 2.2.0.1024

Malwarebytes ANTI-MALWARE

DASHBOARD SCAN SETTINGS HISTORY

ACTIVATE UPGRADE NOW

☹️ Your databases are out of date [Fix Now](#)

License	● Malwarebytes Anti-Malware (Free)	Buy Premium >>
Database Version	● v2015.12.07.06	Update >>
Scan Progress	● Not Running	
Real-Time Protection	● Available with Malwarebytes Anti-Malware Premium	Start Free Trial >>

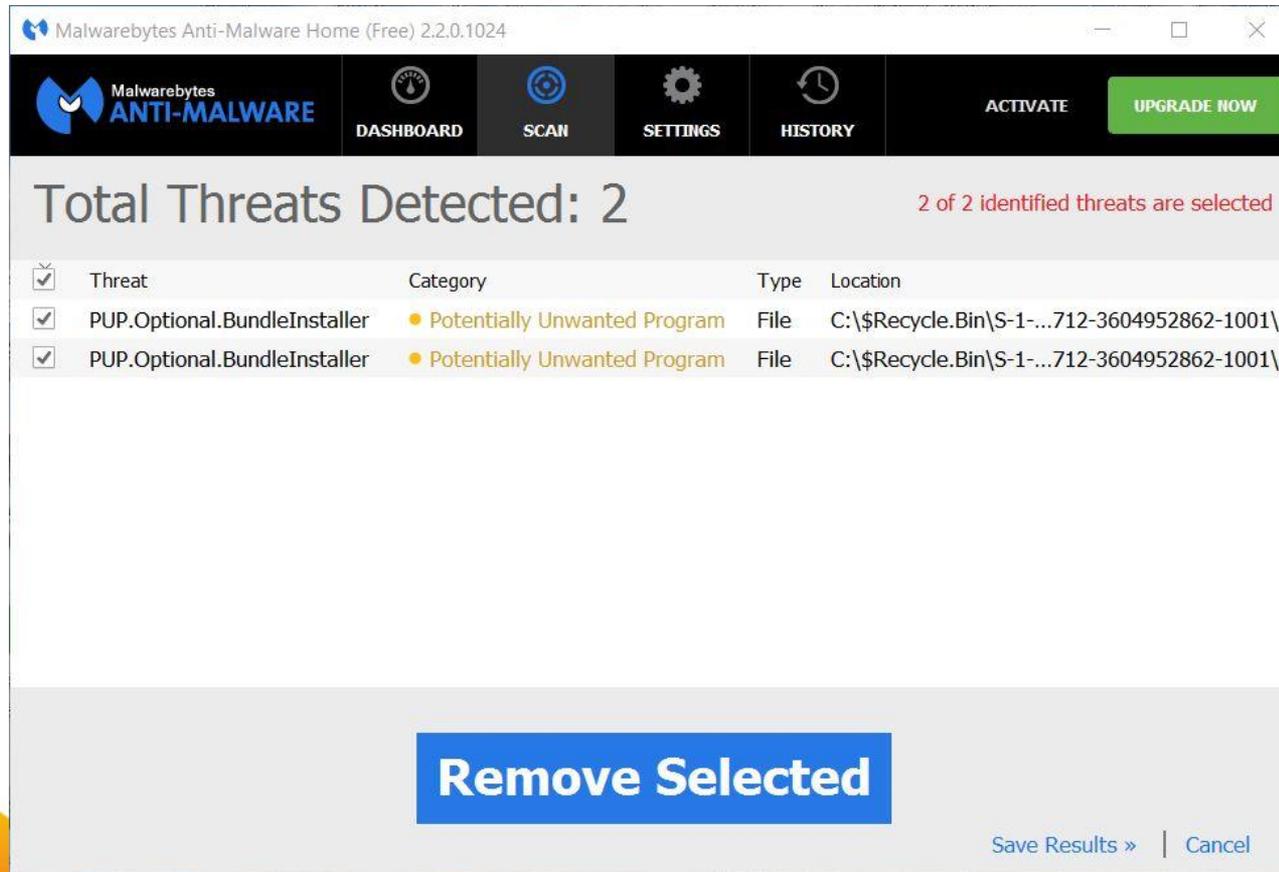
[Scan Now](#)

[Need Help?](#)

Malwarebytes – cont'd

The screenshot displays the Malwarebytes Anti-Malware Home (Free) 2.2.0.1024 interface. The window title bar shows the product name and version. The top navigation bar includes the Malwarebytes logo, the text "ANTI-MALWARE", and several menu items: DASHBOARD, SCAN, SETTINGS, and HISTORY. There are also "ACTIVATE" and "UPGRADE NOW" buttons. The main content area is titled "Threat Scan" and features a progress bar with seven steps: Check for Updates (completed with a green checkmark), Pre-Scan Operations (active with a green circle), Scan Memory (warning icon), Scan Startup Files (warning icon), Scan Registry (warning icon), Scan File System (warning icon), and Heuristic Analysis (warning icon). Below the progress bar, the current scan details are shown: "Currently Scanning: Pre-Scan Operations", "Objects Scanned: 0", "Time Elapsed: 00:00:09", and "Detected Objects: 0". At the bottom right of the scan area, there are "Pause Scan" and "Cancel" buttons. A promotional banner at the bottom left features a blue arrow icon with a green "+1" and the text: "Malwarebytes Anti-Malware Premium: Our strongest anti-malware. Why level up to Malwarebytes Anti-Malware Premium? Try real-time protection and malicious website blocking. [Level up](#)".

Malwarebytes – cont'd

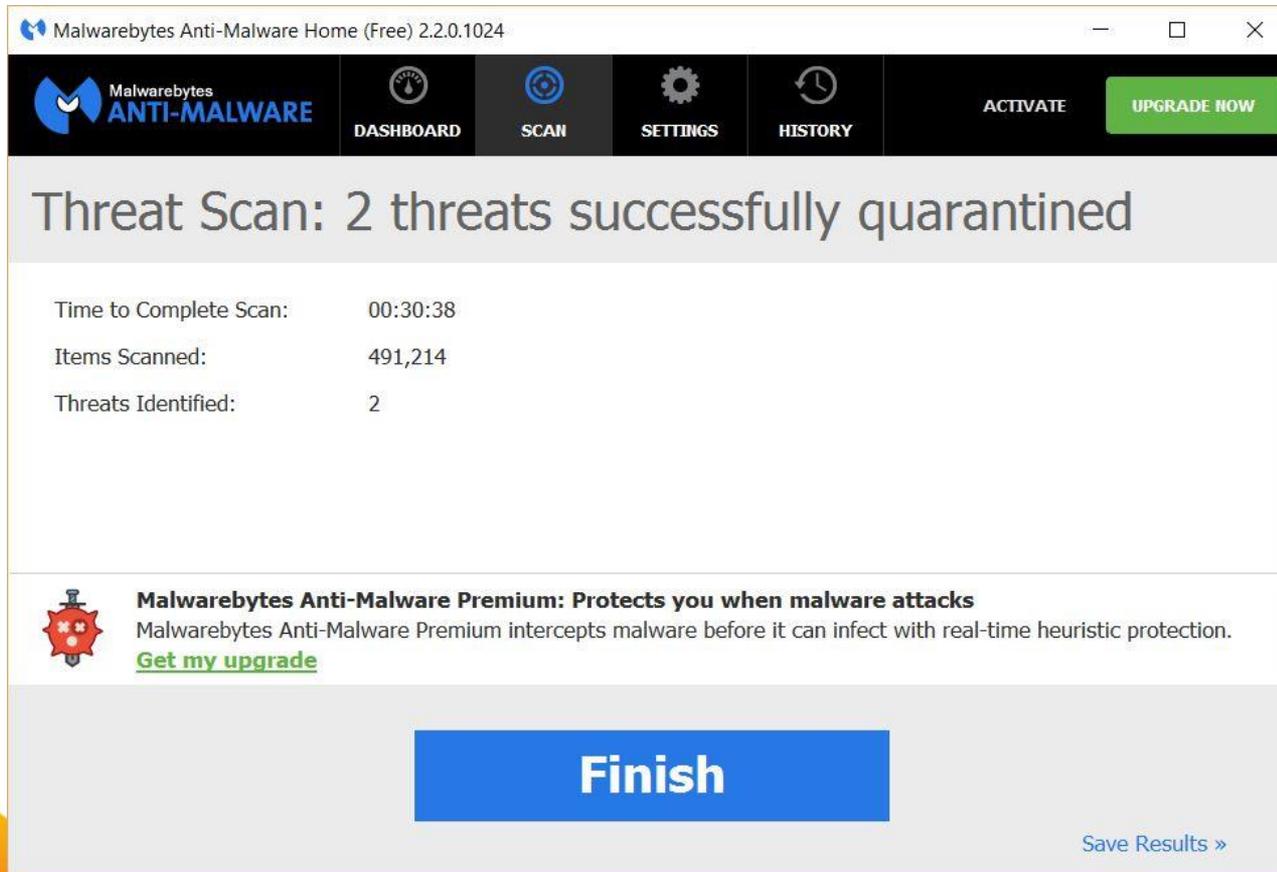


The screenshot shows the Malwarebytes Anti-Malware Home (Free) 2.2.0.1024 interface. The top navigation bar includes the Malwarebytes logo, 'ANTI-MALWARE' text, and buttons for 'DASHBOARD', 'SCAN', 'SETTINGS', and 'HISTORY'. There are also 'ACTIVATE' and 'UPGRADE NOW' buttons. The main area displays 'Total Threats Detected: 2' with a note that '2 of 2 identified threats are selected'. Below this is a table of detected threats.

<input checked="" type="checkbox"/>	Threat	Category	Type	Location
<input checked="" type="checkbox"/>	PUP.Optional.BundleInstaller	Potentially Unwanted Program	File	C:\\$Recycle.Bin\S-1-...712-3604952862-1001\
<input checked="" type="checkbox"/>	PUP.Optional.BundleInstaller	Potentially Unwanted Program	File	C:\\$Recycle.Bin\S-1-...712-3604952862-1001\

At the bottom of the interface, there is a large blue button labeled 'Remove Selected' and two smaller links: 'Save Results »' and 'Cancel'.

Malwarebytes – cont'd



The screenshot shows the Malwarebytes Anti-Malware Home (Free) 2.2.0.1024 interface. The top navigation bar includes the Malwarebytes logo, 'ANTI-MALWARE' text, and buttons for 'DASHBOARD', 'SCAN', 'SETTINGS', and 'HISTORY'. There are also 'ACTIVATE' and 'UPGRADE NOW' buttons. The main content area displays a 'Threat Scan: 2 threats successfully quarantined' message. Below this, a table provides scan statistics: 'Time to Complete Scan: 00:30:38', 'Items Scanned: 491,214', and 'Threats Identified: 2'. A promotional banner for 'Malwarebytes Anti-Malware Premium' is visible, featuring a red shield icon and the text 'Protects you when malware attacks'. A large blue 'Finish' button is centered at the bottom, with a 'Save Results >' link to the right.

Malwarebytes Anti-Malware Home (Free) 2.2.0.1024

Malwarebytes ANTI-MALWARE

DASHBOARD SCAN SETTINGS HISTORY

ACTIVATE UPGRADE NOW

Threat Scan: 2 threats successfully quarantined

Time to Complete Scan:	00:30:38
Items Scanned:	491,214
Threats Identified:	2

 **Malwarebytes Anti-Malware Premium: Protects you when malware attacks**
Malwarebytes Anti-Malware Premium intercepts malware before it can infect with real-time heuristic protection.
[Get my upgrade](#)

Finish

[Save Results >](#)

Questions?

