Windows 8?

Why not try something

SIMPLER?

Paul Lewis
May 2013

Chromebook - Intro

An alternative to a Netbook or Tablet Computer

Quote From Slate.com

Posted Wednesday, March 6, 2013, at 6:43 PM

"The Laptop of the Future

Nobody should buy Google's Chromebook Pixel today. But in five years, we all might have one."

http://www.slate.com/articles/technology/technology/2013/03/google_s_chromebook_pixel_is_a_horrible_deal_today_in_five_years_we_all.html

Route Map ;-)

- What is a Chromebook?
- Why might you want one?
- Let's consider:
  - What do you WANT to do (on your computer)?
  - What do you HAVE to do
- What are the pros and cons?
- Fun Google animated lesson
- Possible next steps

What is a ChromeBook?

A comparatively simple computing device similar to Laptop / Netbook /Tablet

- Simple
- Inexpensive
- Compact

It's what a Netbook should have been ;-)

- An attractive option as a second computer - particularly for travel

(It's "just a browser" with a keyboard, screen and WiFi)

SAMSUNG

Features

- Light Weight - 2.4 pounds
- Slim - 0.7 inches
- 6.6 hours battery life
- Silent - no fan
- Solid-state drive - no hard disk drive issues
- Simple to use and maintain - no operating system updates to manage
- Really FAST boot and recovery from sleep
- Currently sells at $249.00

Specifications

- 11.6’’ (1366x768) display
- 0.7 inches thin – 2.42 lbs / 1.1 kg
- Over 6.5 hours of battery
- Samsung Exynos 5 Dual Processor
- 100 GB Google Drive Cloud Storage
- 16GB Solid State Drive
- Built-in dual band Wi-Fi 802.11 a/b/g/n
- VGA Camera
- 1x USB 3.0, 1x USB 2.0
- HDMI Port
- Bluetooth 3.0™ Compatible
- 8 sec boot time ;-)

Why Might You Want One?

- Inexpensive compared to a laptop or iPad
- Lightweight
- Easy to use
- Easy to maintain
  - No antivirus
  - Updates are automatic
  - Backup is automatic
- Simpler than Windows 7 or 8 or iOS

https://www.youtube.com/watch?v=0QRO3gKj3qw

The Browser - Old and New

Old Browser - Request -> Response

Then

- the log-in thing
- the data base
- then
  - Flash
  - Ajax
  - JavaScript
  - HTML5
- now the browser runs apps
- more to come....

Let's Compare

What you WANT to do

What you HAVE to do

What Do You WANT To Do?

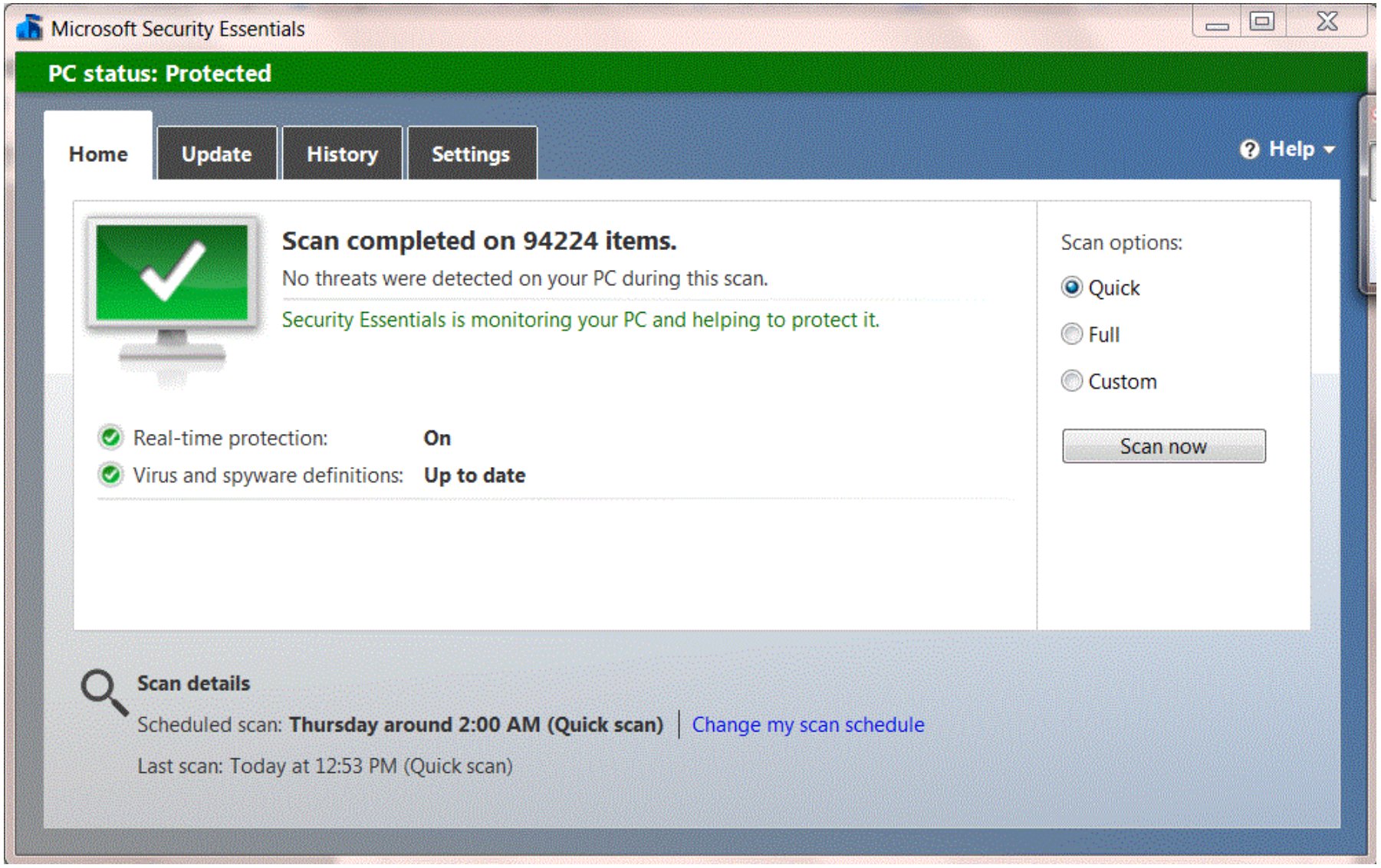
(with your computer)

- Email
- Search for information
- Create documents, text, spreadsheets, presentations
- Home banking
- Manage photos
- Manage and play music
- Buy stuff
- Video-chats - Skype
- Read news

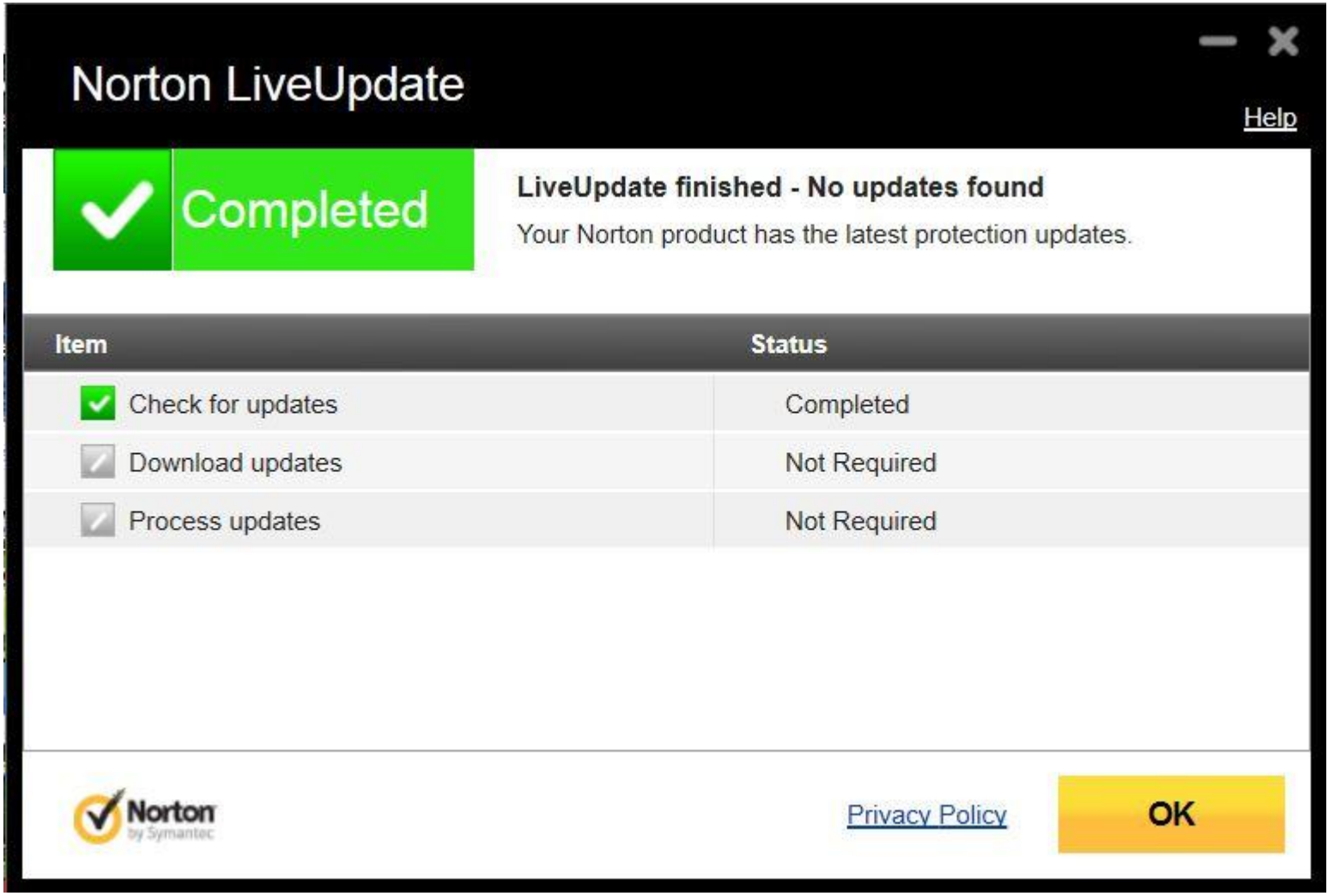
What Do You HAVE To Do?

- Manage anti-virus/anti-malware programs
- Keep windows up-to-date
- Keep all other programs up-to-date
- Select and install a few utilities - e.g.
  - CCleaner
  - Malwarebytes
  - Winpatrol
  - Your favorite system optimizer thingy
- Make and protect backups
- Keep your systems and data synched**
- Keep track of your passwords

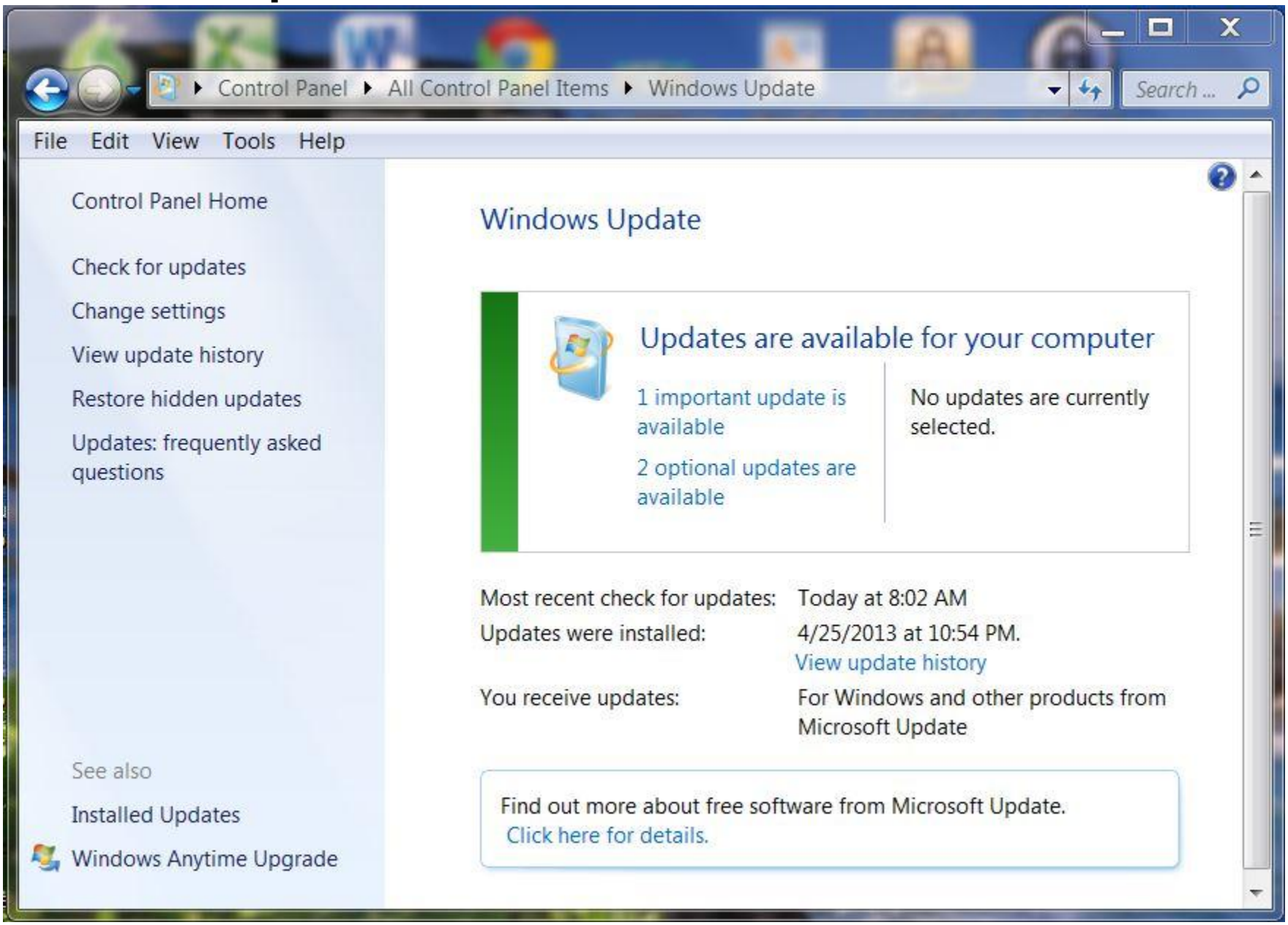
Microsoft Security Essentials



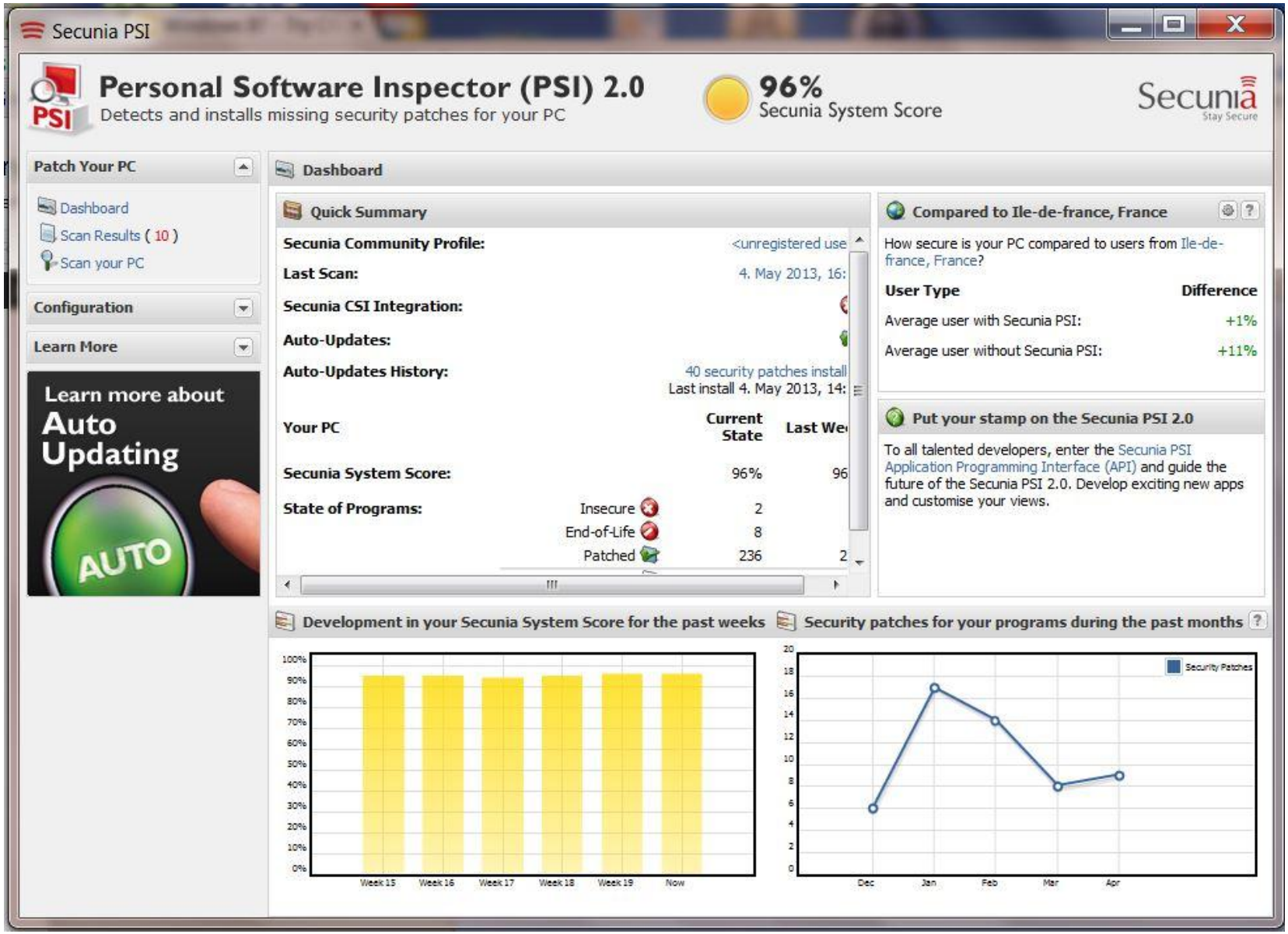
Norton Live Update



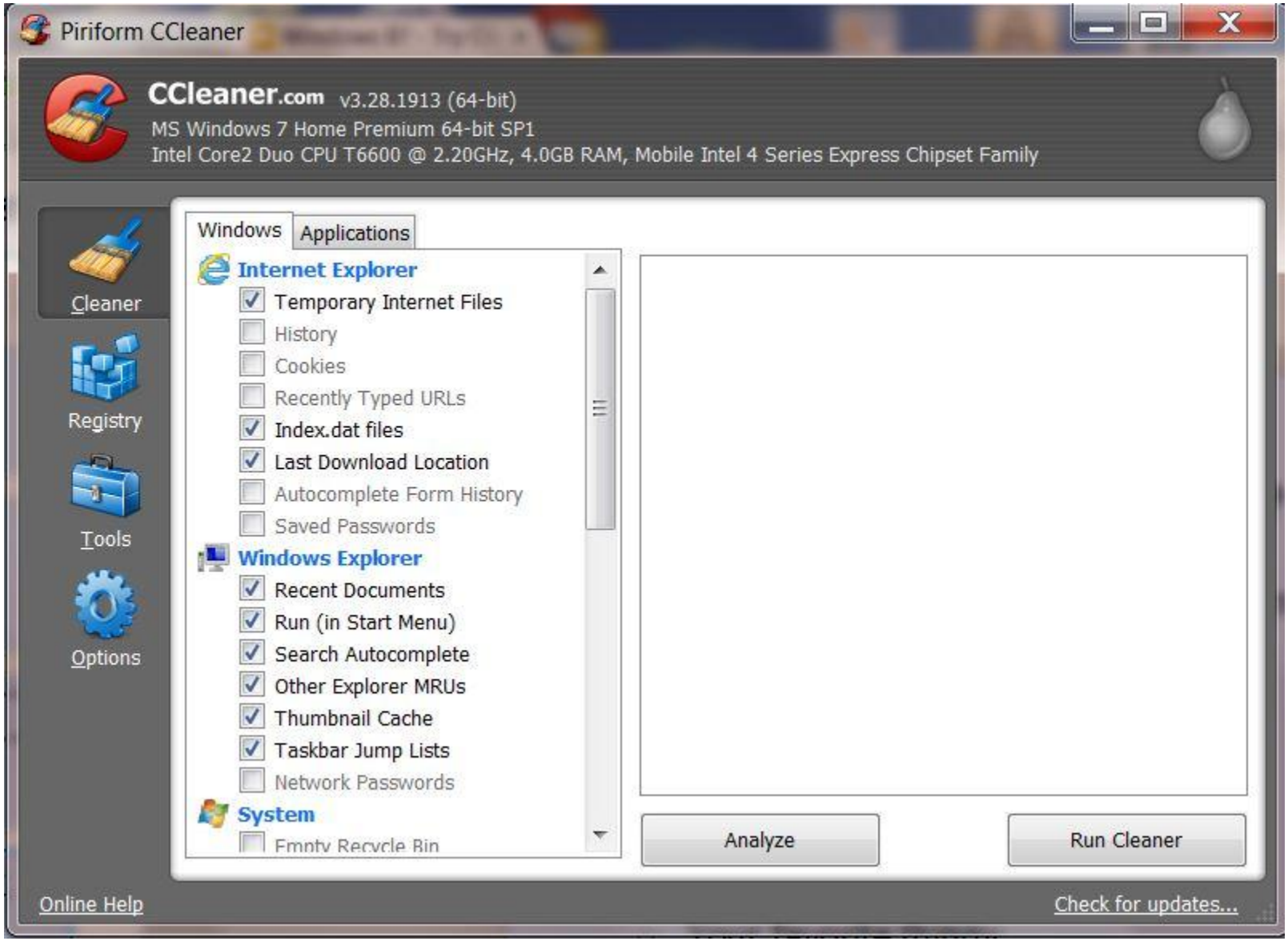
Windows Update



Secunia PSI


Secunia PSI
Personal Software Inspector (PSI) 2.0
Detects and installs missing security patches for your PC
96%
Secunia System Score
Secunia
Stay Secure
Patch Your PC
Dashboard
Scan Results (10)
Scan your PC
Configuration
Learn More
Learn more about
Auto
Updating
AUTO
Dashboard
Quick Summary
Secunia Community Profile:
<unregistered use
Last Scan:
4. May 2013, 16:
Secunia CSI Integration:
Auto-Updates:
Auto-Updates History:
40 security patches install
Last install 4. May 2013, 14:
Your PC
Current State
Last We
Secunia System Score:
96%
96
State of Programs:
Insecure
2
End-of-Life
8
Patched
236
2
Compared to Ile-de-france, France
How secure is your PC compared to users from Ile-de-france, France?
User Type
Difference
Average user with Secunia PSI:
+1%
Average user without Secunia PSI:
+11%
Put your stamp on the Secunia PSI 2.0
To all talented developers, enter the Secunia PSI Application Programming Interface (API) and guide the future of the Secunia PSI 2.0. Develop exciting new apps and customise your views.
Development in your Secunia System Score for the past weeks
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Week 15
Week 16
Week 17
Week 18
Week 19
Now
Security patches for your programs during the past months
Security Patches
20
18
16
14
12
10
8
6
4
2
0
Dec
Jan
Feb
Mar
Apr

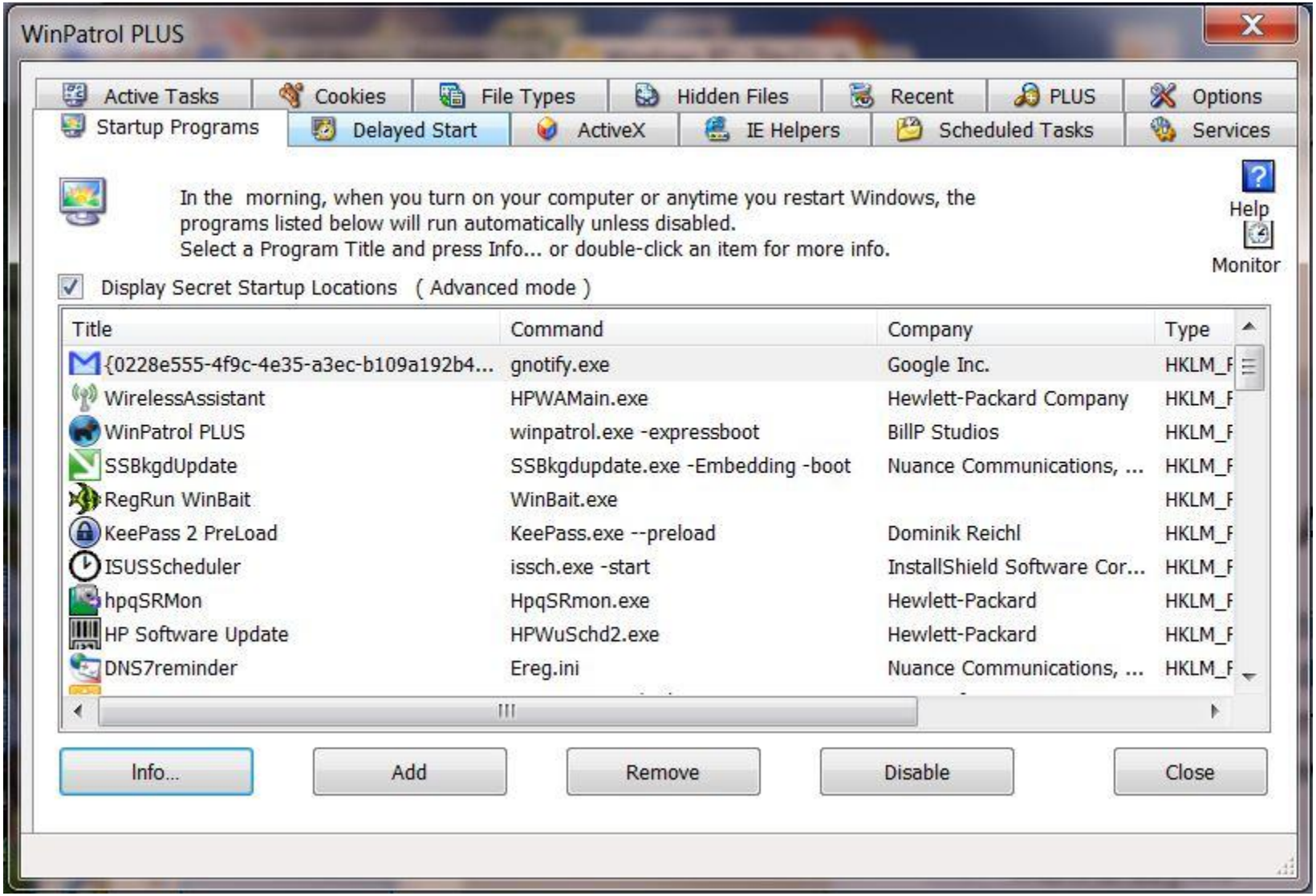
CCleaner


Piriform CCleaner
CCleaner.com v3.28.1913 (64-bit)
MS Windows 7 Home Premium 64-bit SP1
Intel Core2 Duo CPU T6600 @ 2.20GHz, 4.0GB RAM, Mobile Intel 4 Series Express Chipset Family
Cleaner
Registry
Tools
Options
Windows
Applications
Internet Explorer
Temporary Internet Files
History
Cookies
Recently Typed URLs
Index.dat files
Last Download Location
Autocomplete Form History
Saved Passwords
Windows Explorer
Recent Documents
Run (in Start Menu)
Search Autocomplete
Other Explorer MRUs
Thumbnail Cache
Taskbar Jump Lists
Network Passwords
System
Empty Recycle Bin
Analyze
Run Cleaner
Online Help
Check for updates...

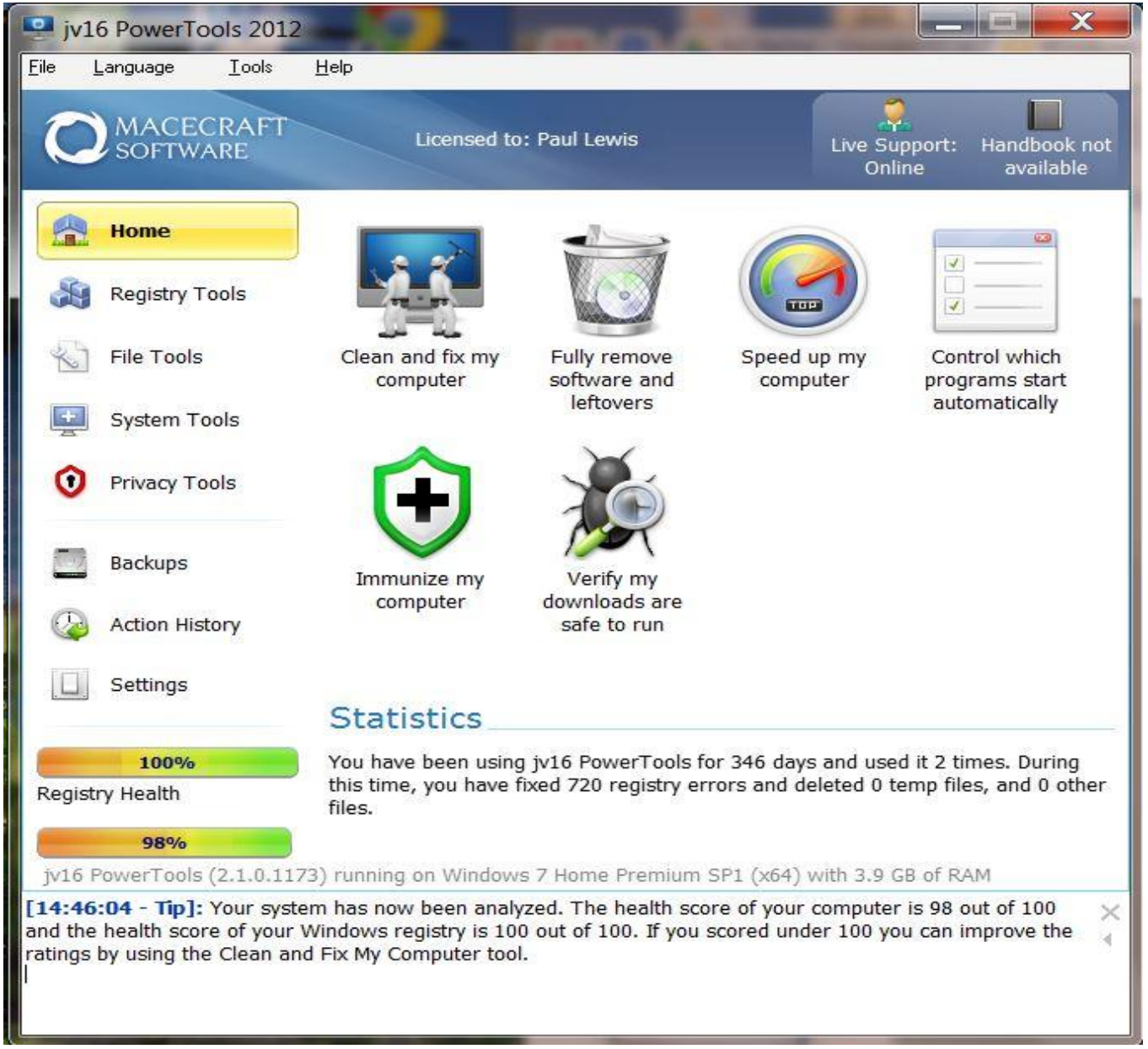
MalwareBytes

My Startup Items . . . . . .

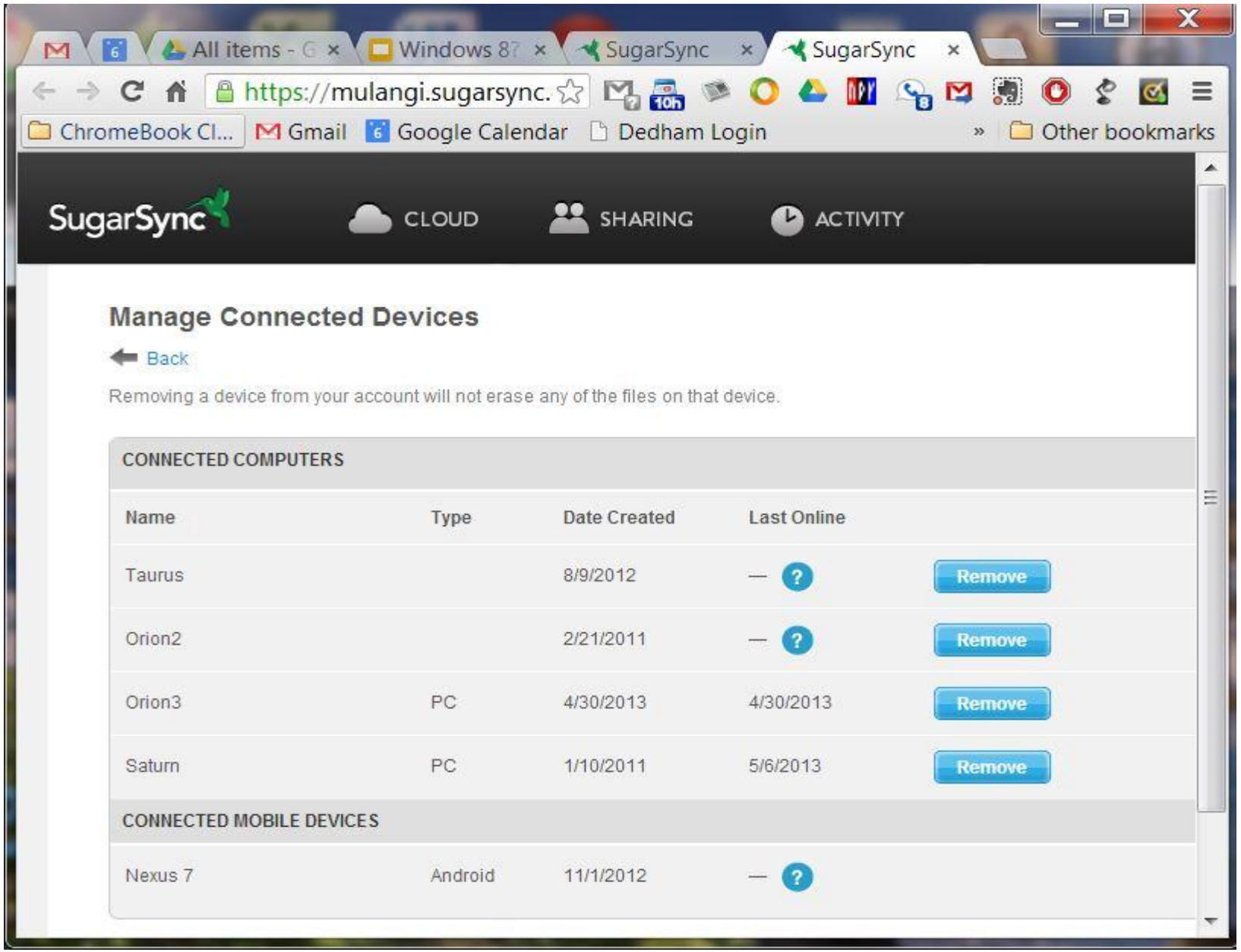
WinPatrol


WinPatrol PLUS
Active Tasks
Cookies
File Types
Hidden Files
Recent
PLUS
Options
Startup Programs
Delayed Start
ActiveX
IE Helpers
Scheduled Tasks
Services
In the morning, when you turn on your computer or anytime you restart Windows, the programs listed below will run automatically unless disabled.
Select a Program Title and press Info... or double-click an item for more info.
Help
Monitor
Display Secret Startup Locations (Advanced mode)
Title
Command
Company
Type
{0228e555-4f9c-4e35-a3ec-b109a192b4... gnotify.exe Google Inc. HKLM_F
WirelessAssistant HPWAMain.exe Hewlett-Packard Company HKLM_F
WinPatrol PLUS winpatrol.exe -expressboot BillP Studios HKLM_F
SSBkgdUpdate SSBkgdupdate.exe -Embedding -boot Nuance Communications, ... HKLM_F
RegRun WinBait WinBait.exe HKLM_F
KeePass 2 PreLoad KeePass.exe --preload Dominik Reichl HKLM_F
ISUSScheduler issch.exe -start InstallShield Software Cor... HKLM_F
hpqSRMon HpqSRmon.exe Hewlett-Packard HKLM_F
HP Software Update HPWuSchd2.exe Hewlett-Packard HKLM_F
DNS7reminder Ereg.ini Nuance Communications, ... HKLM_F
Info...
Add
Remove
Disable
Close

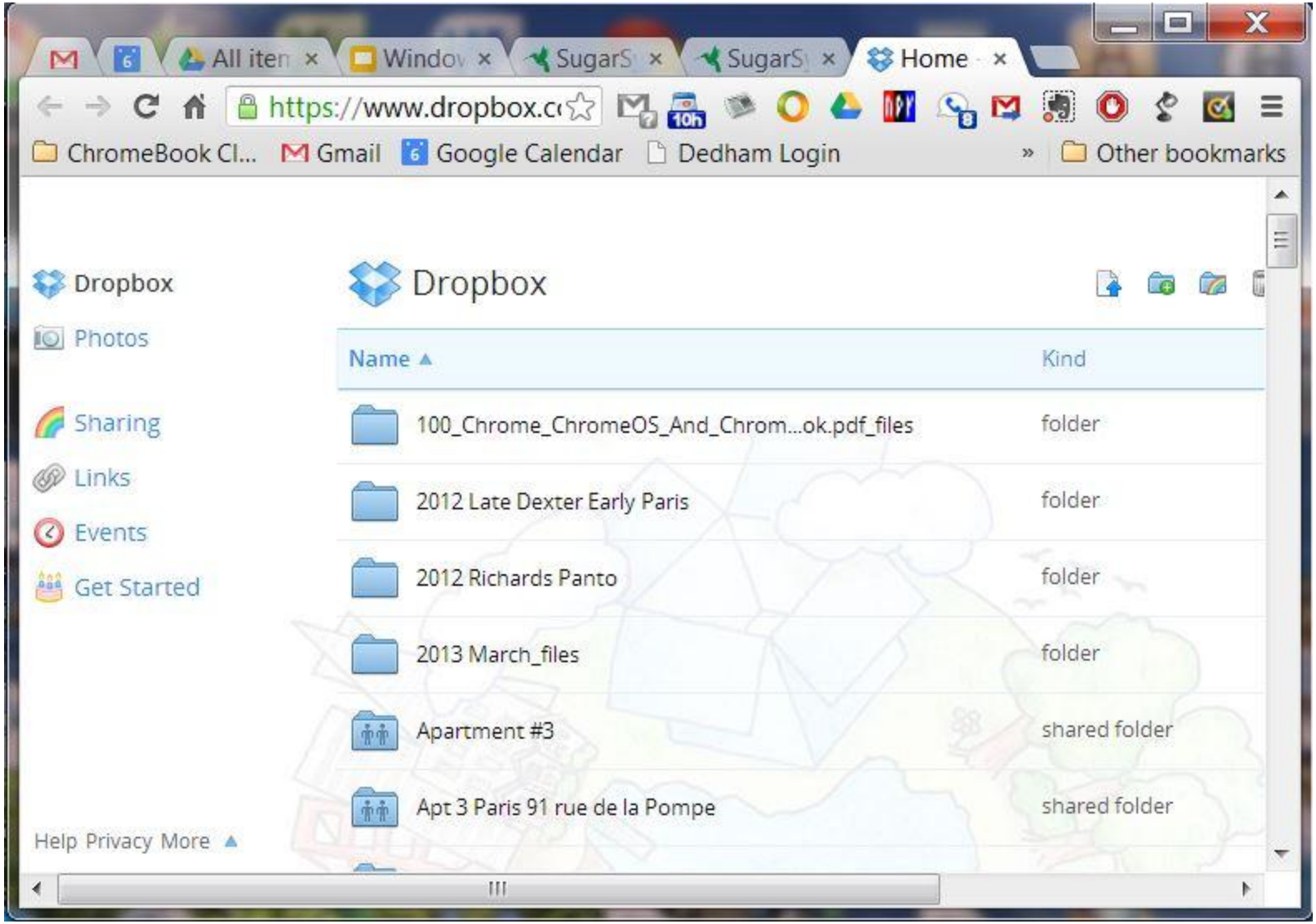
JV16 Power Tools



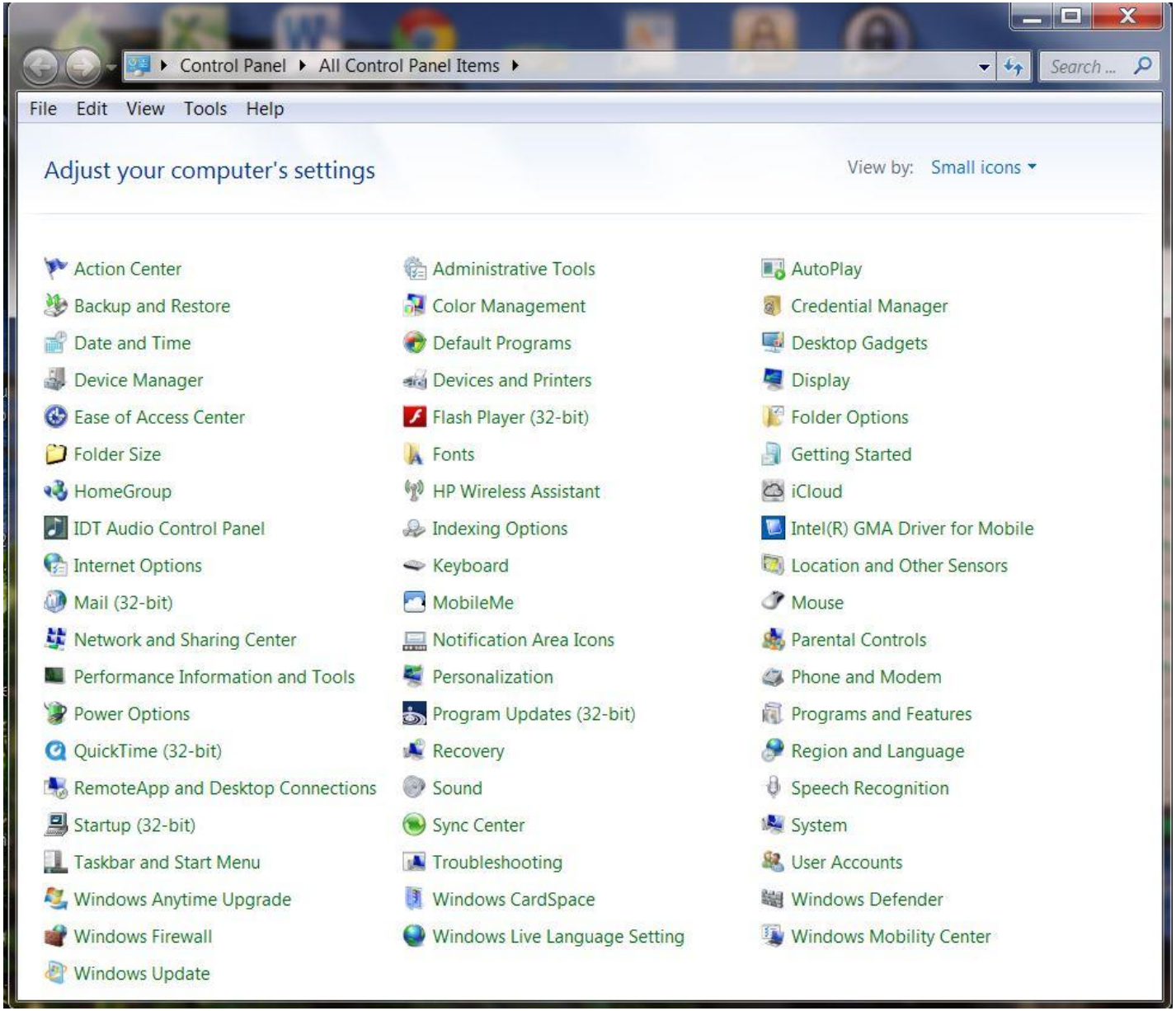
SugarSync


All items - G
Windows 8?
SugarSync
SugarSync
https://mulangi.sugarsync.
ChromeBook Cl...
Gmail
Google Calendar
Dedham Login
Other bookmarks
SugarSync
CLOUD
SHARING
ACTIVITY
Manage Connected Devices
Back
Removing a device from your account will not erase any of the files on that device.
CONNECTED COMPUTERS
Name
Type
Date Created
Last Online
Taurus
8/9/2012
Remove
Orion2
2/21/2011
Remove
Orion3
PC
4/30/2013
4/30/2013
Remove
Saturn
PC
1/10/2011
5/6/2013
Remove
CONNECTED MOBILE DEVICES
Nexus 7
Android
11/1/2012

DropBox


Home
https://www.dropbox.c
ChromeBook Cl...
Gmail
Google Calendar
Dedham Login
Other bookmarks
Dropbox
Photos
Sharing
Links
Events
Get Started
Dropbox
Name
Kind
100_Chrome_ChromeOS_And_Chrom...ok.pdf_files
folder
2012 Late Dexter Early Paris
folder
2012 Richards Panto
folder
2013 March_files
folder
Apartment #3
shared folder
Apt 3 Paris 91 rue de la Pompe
shared folder
Help Privacy More

The Mighty Control Panel



That's A LOT of Stuff To Take Care of

And THATS just ONE machine

What if you have more than ONE?

Read on.....

Do You Have More Than One Machine?

- Used to be unusual - Now common
  - Desktop
  - Laptop
  - Tablet
  - Smart Phone

- Some like to keep them:
  - backed-up
  - synched (e.g. Email - contacts - calendar same on all machines)

Example

Common Computer Cluster

Desktop	Main Laptop	Old Laptop	Tablet	Smart Phone
My Docs	My Docs	My Docs		
Photos	Photos			
Music		Music		Music
Email	Email	Email	Email	Email
Contacts	Contacts	Contacts	Contacts	Contacts
Calendar	Calendar	Calendar	Calendar	Calendar
Bookmarks	Bookmarks	Bookmarks	Bookmarks	
Password Mgr	Password Mgr		Password Mgr	Password Mgr

One Solution (en passant ;-)

- Initially I had:
  - each system backed up separately
  - they each had different parts of my data
  - not too convenient
- Then:
  - I set them up to merge and synchronize
  - that's very convenient
- So
  - They are all backed up to the cloud
  - AND I have a copy at home on another machine
  - that's very convenient

Cloud Backup and Sync Service (en passant ;-)

- SugarSync (5GB free)

- Go here:
  - https://www.sugarsync.com/referral?rf=fpi9o8a4y33yr&utm_source=website&utm_medium=web&utm_campaign=referral&shareEvent=5168955
  - OR in Tiny URL:
  - http://tinyurl.com/PaulsSugarSync
- Compare to:
  - Dropbox
  - Carbonite
  - A.N Other

Today, We've Come to Accept as Inevitable

- Antivirus software,
- Locally installed applications with their own separate updaters
- System optimization tools (CCleaner, WinPatrol, RegClean, Secunia PST, Soluto, etc, etc etc)
- Huge control panels - settings going back to Windows 3.1,
- Drivers for compatibility with 20 year old printers,
- 20 system tray programs running when you boot up your new Windows laptop,
- A huge user-visible file system that allows you to dig into your C:\Windows\System32 folder

Windows ;-(

- Windows is an enterprise-capable OS
  As individuals, do we need that?

- What do we really need in a second computer considering:
  - What we WANT to do
  - What we HAVE to do

- Maybe Windows IS OVERKILL

Enter GOOGLE CHROMEBOOK

Many spend **most** of their computer time

- On the Internet
- Using a browser (Internet Explorer, Firefox, Chrome)

Even if you don't use a browser most of the time,

- ***Much of what the average person does on their computer can be done in a browser***
  and
- ***Chrome addresses Backup and Sync requirements***

The Google - Chromebook Argument

Windows Complexity is:(for most of us)

- Unnecessary
- Outdated
- Clunky

Google "argues" for a simpler approach

A Chromebook is Google’s vision of the future

http://beta.fool.com/markhibben/2013/04/10/googles-chromebook-strategy/29944/

So What is Chromebook / ChromeOS

A Chromebook is a low-power processor running:

- A simplified secure OS (basic Linux)
- A very fast and powerful browser - Chrome

Because the browser is so powerful it is able to run full-featured web-based applications:

So.....

Chromebook is:

- Very secure - no antivirus required
- Automatic system updates - every re-boot
- No system backup required
- Automatic data backup - no manual data backup required
- Self-syncing to other Chrome browsers with Google Drive
- Free pre-installed productivity software (Docs, spreadsheets, presentation)
- Many other free apps

Common Questions/Answers

- Will it work without an Internet connection?
  - Sort-of
  - Anyway, how often do you use a computer WITHOUT an Internet connection?
- Will it run Microsoft Office? No! But!
  You CAN run Microsoft Office Web Apps
- Will it run all those other programs I like? Naa :-(
- More FAQs and Links
  - http://www.chromium.org/chromium-os
  - http://support.google.com/chromeos/?hl=en
  - http://www.youtube.com/watch?v=ntLPcVAyNPE

A quick overview of Chrome OS

Watch This:
http://www.youtube.com/watch?v=0QRO3gKj3qw

Possible Next Steps - etc

Try using Google Chrome browser - exclusively

Run Chrome OS on your current computer by booting it from a USB drive

If you really like to "twiddle" install a full Linux distribution alongside Chrome OS - then you'll have a plethora of free full-featured programs

Ending Quotes - 1

For all its advantages, a Chromebook really shines as a secondary PC.

Many people could get by with a Chromebook 95% of the time, but there's that 5% of the time when you may want to play a Windows game, use a desktop application, or do something else.

If you can embrace the limitations, you may be fine ditching your Windows PC for a Chromebook — but perhaps that's a drastic step (for some) at the moment.

http://www.howtogeek.com/161662/living-with-a-chromebook-can-you-live-with-just-a-chrome-browser/?

Ending Quotes - 2

A Chromebook feels like what a netbook should have been.

Netbooks promised simple, portable, lightweight computers with keyboards for accessing the Internet, but they were bogged down with Windows, antivirus software, a pile of system tray programs running at startup, and all that other junk.

They were also just too small to be useful. In comparison to netbooks, a Chromebook's software is more streamlined and its hardware is more optimal for the task at hand.

http://www.howtogeek.com/161662/living-with-a-chromebook-can-you-live-with-just-a-chrome-browser/?utm_source=newsletter&utm_medium=email&utm_campaign=280413

Useful Links

- Good introduction to Chromebook concepts
  http://www.howtogeek.com/161662/living-with-a-chromebook-can-you-live-with-just-a-chrome-browser/?utm_source=newsletter&utm_medium=email&utm_campaign=280413
- Chromebook Pixel - a real threat to Microsoft
  http://www.techradar.com/news/mobile-computing/laptops/chromebook-just-got-serious-microsoft-has-to-feel-the-threat-1132946
  http://ask.slashdot.org/story/13/02/27/2259209/ask-slashdot-can-quickoffice-on-chromebooks-topple-microsofts-office
- Surprising things the Chrome browser can do
  http://www.howtogeek.com/141625/10-things-you-didnt-know-your-web-browser-could-do-yet/
- List of ChromeOS Apps
  http://support.google.com/chromeos/bin/answer.py?hl=en&answer=1056325
- Offline-enabled Apps
  https://chrome.google.com/webstore/category/collection/offline_enabled
- Running Windows apps (you can't) Use Remote Desktop
  http://www.howtogeek.com/142146/how-to-use-google-chrome-to-remotely-access-your-computer/
- Hidden Features of Chrome
  http://www.howtogeek.com/104631/find-hidden-features-on-chromes-internal-chrome-pages/

For the Geeks

Google Native Client (NaCl) is a sandboxing technology for running a subset of Intel x86 or ARM native code using software-based fault isolation.[1] It is proposed for safely running native code from a web browser, allowing web-based applications to run at near-native speeds,[2] which aligns well with Google's plans withChrome OS. It may also be used for securing browser plugins, and in the future parts of other applications or full applications.[3]

http://en.wikipedia.org/wiki/Google_Native_Client

After all, the Pixel has an advantage that the Macbook Air and Lenovo Carbon can't match: Other than charging it up, the Pixel requires zero maintenance. You never have to back it up; everything you do on it is, by definition, always backed up. You never have to worry about keeping it up to date—it always just is. Syncing comes for free, too: Switch from one Chromebook to another and all your stuff is there. Sure, you can make your regular laptop do these kinds of things, but they're not baked in. A Chromebook means never having to worry about anything. Once you get past the absence of actual programs, that could be a big inducement.

http://www.slate.com/articles/technology/technology/2013/03/google_s_chromebook_pixel_is_a_horrible_deal_today_in_five_years_we_all.html