

# *SPEED UP YOUR PC*

## TECHNIQUES AND TOOLS

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*with a little help from my friends*

*IBM PC Club*

*February 20, 2012*

# AGENDA

- Discuss methods to help PCs:
  - start faster
  - run faster
  - close down faster
- Demonstrate some manual methods
- Demonstrate a program to implement
- Discuss experience of PC Club members

# BACKGROUND

- When new, computers start, run, and close fast
- Over time, computers slow down
- There are reasons for this behavior
- There are methods and tools to fix this problem

# To Speed up PC Operations

- Reduce number of icons (takes startup time)
- Defrag disk periodically (Auglogics Disk defrag program, Windows version, System Suite, etc.)
- Minimize Msconfig startup
- Use REGEDIT to access msconfig if not working due to a virus
- Find and delete viruses, malware, etc.
- Use Microsoft Security Essentials (free, as is Comodo Anti-Virus and Firewall)

# Speed up access to data

Disk fragmentation slows performance of system

When files fragmented, computer must search the hard disk as file opened

Defragmenter- Windows utility that consolidates fragmented files and folders

Speeds up disk reading and writing

# Remove spyware, protect computer from viruses

- Spyware hampers performance, also privacy concern
- Use free PC safety scan from Windows Live OneCare
- Download Microsoft Security Essentials
- Microsoft Windows Malicious Software Removal Tool
- Other commercial tools, such as Avanquest System Suite

# Manual System Changes

Start

Search

MSCONFIG

Select, General- Selective Startup  
Services, Delete Services not needed  
Startup, Delete items not needed

# Registry Editor

File Edit View Favorites Help

- + Internet Se
- + IPConfTSP
- + ModuleUsa
- + MS-DOS Em
- + MSSHA
- + Multimedia
- + NetCache
- + Nls
- + OptimalLay
- + PhotoPrope
- + policies
- + PreviewHar
- + PropertySy
- + Reliability
- + Run
- + RunOnce
- + RunOnceEx
- + Setup
- + SharedDlls
- + Shell Exten
- + ShellCompa
- + ShellScrap
- + ShellService
- + SideBySide
- + SMDEn

Name	Type	Data
(Default)	REG_SZ	(value not set)
COMODO Intern...	REG_SZ	"C:\Program Files\COMODO\COMODO Internet Securit...

My Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run

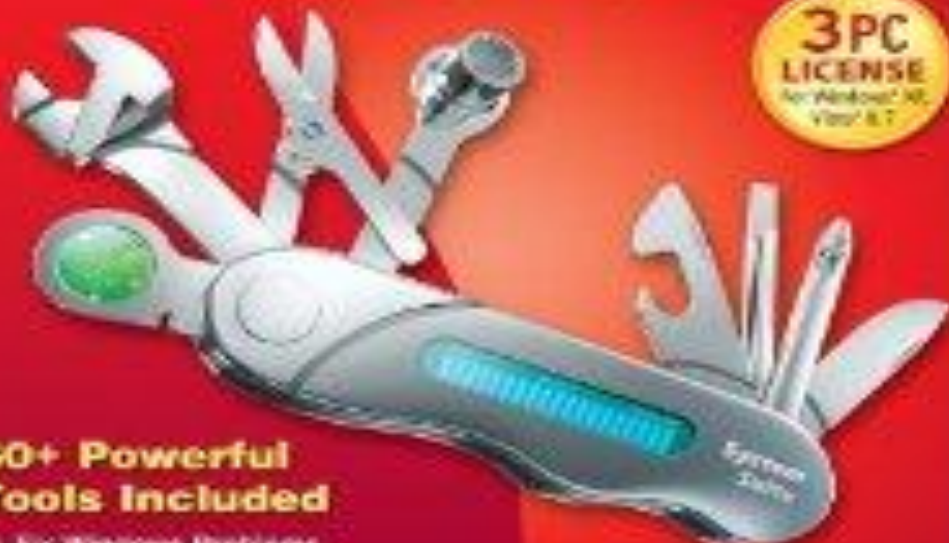




*Speed up, Fix and  
Protect Your PC*

# System Suite 11

PC Tune-Up & Repair



## 60+ Powerful Tools Included

- ⓧ Fix Windows Problems
- ⓧ Speed Up PC Start Time
- ⓧ Malware, Virus & Spyware Protection
- ⓧ PC Diagnostics & Maintenance
- ⓧ Eliminate PC Crashes & Freezes
- ⓧ Clean & Repair Windows Registry

### FREE! \$100 VALUE

- Windows Restore CD
- Credit Card Security
- Internet Optimizer
- PC Backup Software

Recommended by Experts



SystemSuite



# SystemSuite® 11

Professional

*Thank you for choosing the new SystemSuite 11 Professional - the ultimate computer tune-up and repair solution for Windows! Version 11 includes many useful and powerful new features, including:*

**Disk Defrag Engine** – Lightning fast, Disk Defrag moves important system files to the fastest part of the disk, optimizes the hard drive, and consolidates free space.

**Intelligent Optimization** – Monitors computer resources and scans and fixes problems when you are not actively using the computer.

**PC Startup Analyzer** – Monitors the programs that cause startup or shutdown delays.

**System Snapshot Report** – See a graphical overview of your computer's health and performance.

Please remember to register SystemSuite to receive technical support and the latest product updates.



☐ Don't show this message again

Close



H&R Block  
2011



H&R Block  
2010

# System Suite 11 – Product Features

- 1 Year Anti-Virus & Anti-Spyware threat updates
- 60+ Tools to Diagnose & Fix PC Problems
- Detects & Removes Spyware, Viruses & Malware
- Eliminates PC Crashes, Freezes & Slowdowns
- One-Step Tune-Up for Easy Maintenance





SystemSuite® 11 Professional

Settings ?

#### OVERVIEW



Home



Problems (1)



Reports

#### SECURITY



Anti-Malware



Net Defense

#### MAINTENANCE



Diagnose



Fix & Maintain



Optimize



Clean Up



Recover



One-Click Optimize

Optimize your hard drive to improve system performance.



#### System Optimizer

Improve Windows performance.



#### PC Startup Analyzer

View resource usage information during system startup



#### Startup Commander

Improve Windows boot performance.



#### Registry Defrag

Optimize the registry for more speed.



#### Disk Defrag

Automatically improve hard drive performance.



#### Internet Speed

Improve your high-speed connection to the Internet.



#### Memory Optimizer

Optimize system memory use.



#### Data Vault

Secure important data for online form entry.



#### Windows Mods

Make system changes to improve performance.



#### Windows Optimizer

Optimize your system's performance and security.



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Internet Explorer »



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Settings ?

OVERVIEW



Home



Problems (9)



Reports

SECURITY



Anti-Malware



Net Defense

MAINTENANCE



Diagnose



Fix & Maintain



Optimize



Clean Up



Recover



9 Problems Detected

Fix Selected

One-Click Fix All

☒ Threat Definition Files are out of date.

☒ **Anti-Malware Scan**  
A scan has not been run.

☒ MAINTENANCE

☒ **Disk Defrag**  
A scan has not been run on hard disk drive C:.

☒ **Startup Commander**  
A scan has not been run.

☒ **Registry Fixer**  
A scan has not been run.

☒ **Temporary Files Cleaner**  
A scan has not been run.

☒ **Internet Speed**  
A scan has not been run.

☒ **Memory Optimizer**  
A scan has not been run.

☒ **Windows Optimizer**  
A scan has not been run.



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Settings ?

OVERVIEW



Home



Problems (1)



Reports

SECURITY



Anti-Malware



Net Defense

MAINTENANCE



Diagnose



Fix & Maintain



Optimize



Clean Up



Recover



1 Problem Detected

Fix Selected

One-Click Fix All

☒ MAINTENANCE



**Temporary Files Cleaner**

7.6 GB of temporary files and Internet clutter have been detected (100,568 files).



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## REPORT



### User Intervention

Tool run cancelled by user.



*1 Problem has been fixed*

## MAINTENANCE



### Registry Fixer

300 Registry errors have been found and repaired.

### Details

Help Section

The

re

Click the 'Back' button to run Registry Fixer again to find any remaining problems.

**The item(s) listed below were successfully repaired. You can use the Undo-It wizard at any time to restore these changes.**

Delete key : "HKEY\_CLASSES\_ROOT\TypeLib/{003028C2-EA1C-4676-A316-B5CB50917002}/5.0/HELPDIR"  
Delete key : "HKEY\_CLASSES\_ROOT\TypeLib/{0548C79F-7B8C-455D-B228-97D35371BB62}/1.0/HELPDIR"  
Delete key : "HKEY\_CLASSES\_ROOT\TypeLib/{1F7484A8-FC0A-4ADE-BD19-B764A5DF62E0}/1.0/Win32"  
Delete key : "HKEY\_CLASSES\_ROOT\TypeLib/{1F7484A8-FC0A-4ADE-BD19-B764A5DF62E0}/1.0/HELPDIR"  
Delete key : "HKEY\_CLASSES\_ROOT\TypeLib/{2991F100-D9C3-4243-82A2-A718747FC0CF}/1.0/HELPDIR"  
Delete key : "HKEY\_CLASSES\_ROOT\TypeLib/{38B8407A-C6FC-49B8-8288-C1B7CC0E25E2}/1.0/HELPDIR"  
Delete key : "HKEY\_CLASSES\_ROOT\TypeLib/{41738EEA-442F-477F-92CF-2889BD6CD7E7}/1.0/HELPDIR"  
Delete key : "HKEY\_CLASSES\_ROOT\TypeLib/{4856F148-7516-11D3-BBE5-D53DCBD65107}/4.0/HELPDIR"  
Delete key : "HKEY\_CLASSES\_ROOT\TypeLib/{4A5F3A0C-6A50-4050-BED7-...

Save As

Close

Done



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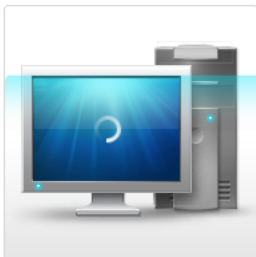
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Settings ?

## REPAIRING PROBLEMS - Startup Commander



### DESCRIPTION

#### Startup Commander

The majority of applications that are launched at startup are unnecessary and increase the amount of time it takes to boot your computer. Blocking these applications from running at startup improves system performance.

Progress: 18%

Applying startup optimizations...



### OVERALL PROGRESS

Overall Progress: 18%

Tasks Remaining: 1



✓ Problems fixed: 0/1

⚠ Could not be fixed: 0/1

Stop



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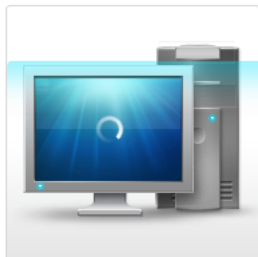




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Settings ?

## REPAIRING PROBLEMS - Registry Fixer



### DESCRIPTION

#### Registry Fixer

The Windows registry contains information about settings for software, hardware, and System preferences. Registry Fixer identifies registry errors and performs the necessary actions to remedy the problem.

Progress: 100%

Scanning drive (C:) for moved files.



### OVERALL PROGRESS

Overall Progress: 104%

Tasks Remaining: 1



✓ Problems fixed: 0/1

⚠ Could not be fixed: 0/1

Stop



Documents



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REPORT



*1 Problem Requires Your Attention*

MAINTENANCE



**Temporary Files Cleaner**

Files have not been deleted.

Details

Details

**Disk Cleaner**

Drives scanned:

C:

**Categories checked:**

Empty web caches.  
Empty temp folders.  
Delete zero length .GID files.  
Delete broken shortcuts.

**Results:**

0 files deleted.

Save As

Close

Done



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Settings ?

OVERVIEW

- Home
- Problems (2)
- Reports
- SECURITY
  - Anti-Malware
  - Net Defense
- MAINTENANCE
  - Diagnose
  - Fix & Maintain
  - Optimize
  - Clean Up
  - Recover



2 Problems Detected [View Problems](#)

One-Click Fix All

OVERALL



SECURITY



MAINTENANCE



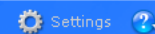
- ACTIVE DEFENSE** [Enabled](#)
- NET DEFENSE** [Enabled](#)
- E-MAIL DEFENSE** [Enabled](#)
- ACTIVE INTELLIGENCE** [Active Scan](#)

REPORTS [Reset](#)

Threats Detected and Treated: 1  
Intrusion Blocked: 0  
Files Deleted: 0  
Registry Repairs: 0



## Windows Optimizer



Windows Optimization improves your computer's performance and security.  
The options available depend on your computer's operating system.

- |  |   |
|--|---|
| <input type="checkbox"/> Disable Indexing Service                | <input type="checkbox"/> Reset Microsoft Word Macro Setting       |
| <input type="checkbox"/> Disable Error Reporting Service         | <input type="checkbox"/> Reset Microsoft Excel Macro Setting      |
| <input type="checkbox"/> Disable Remote Registry Service         | <input type="checkbox"/> Reset Microsoft PowerPoint Macro Setting |
| <input checked="" type="checkbox"/> Internet Host File Remapping | <input type="checkbox"/> Reset Microsoft Outlook Macro Setting    |
| <input type="checkbox"/> Internet Explorer Security Settings     | <input type="checkbox"/> Disable Windows Messenger Service        |
| <input type="checkbox"/> Clean Printer Queue                     | <input type="checkbox"/> Disable Windows Automatic Updates        |

Select All

Uncheck All

Go To Undo

Help

Cancel

Next



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## Product Description

Fight back against problem PCs with System Suite® 11 Professional – the easy-to-use PC repair and tune-up program that runs 250+ diagnostic tests to uncover problems and uses 60+ Powerful Tools to fix every one of them! System Suite® 11 makes caring for your PC even easier with great NEW FEATURES

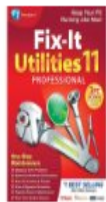
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# Demonstration of System Suite 11

PC Club Member Experience