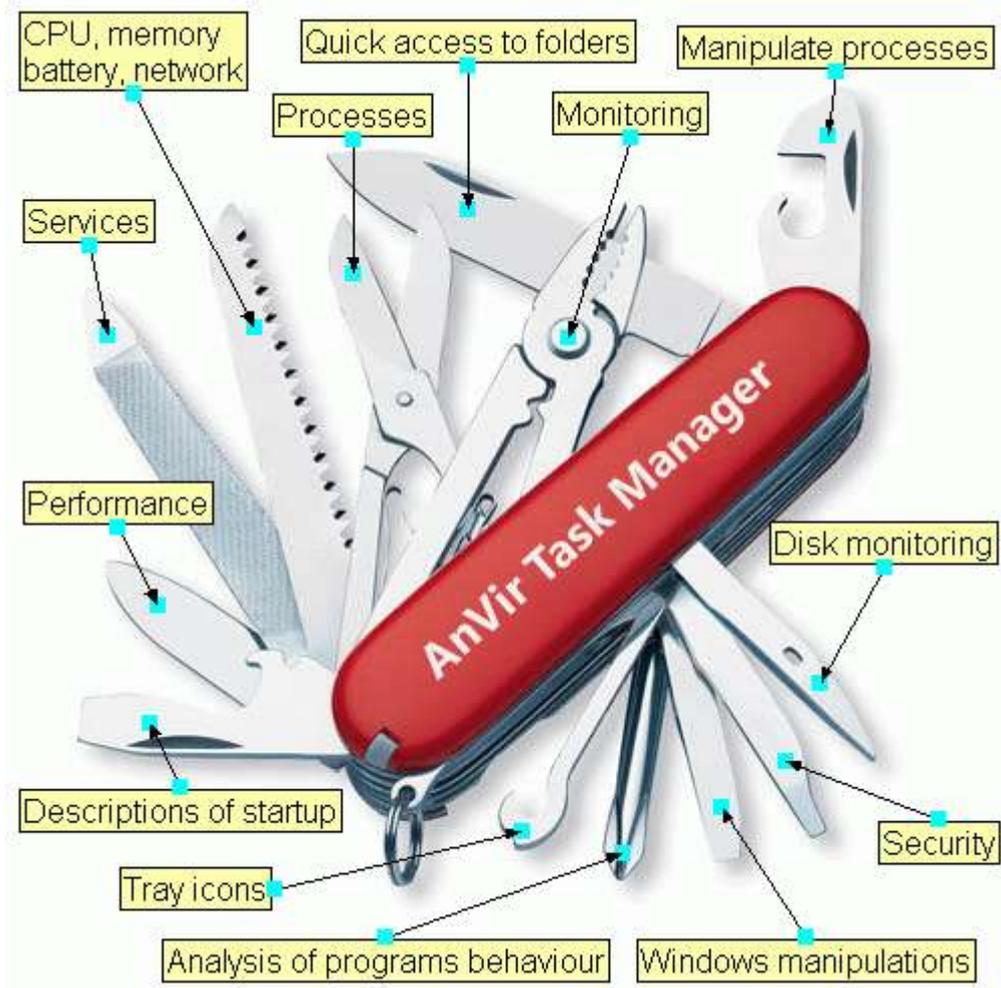


# AnVir Task Manager

v5.2

## User's Guide



## Introduction

AnVir Security Suite is utility software that gives users a comprehensive set of tools to put them in full control of their computer.

AnVir Security Suite gives full information about process, services, TCP/UPD connections, drivers, DLLs. It has descriptions for 70 000+ startup programs and services. It detects new and unknown Trojans using security analysis and alerts on new startups. It can speed up boot time (Delayed Startup), balance CPU usage, optimize memory. Tray icons shows status of disk, network, memory, CPU. Tray menu keeps last launched programs and folders. Also users can hide windows to system tray, set windows 'always on top', and change windows transparency.

AnVir Task Manager provides full set of Windows enhancements that help in every-day work

### Security & Performance:

- Full information about [processes](#), [services](#), [Internet connections](#), [drivers](#), [DLLs](#)  
*the best replacement for Windows Task Manager*
- [Descriptions for 70 000+ startup programs, Internet Explorer toolbars and services](#)  
*know what is running on your PC and remove what you don't need*
- [Security analysis of programs behaviour detects Trojans and Spyware, alerts on new startups](#)  
*keep your computer free from malicious programs*
- [Speed up boot time \(Delayed Startup\), balance CPU usage, optimize memory](#)  
*your computer can run faster*
- [Run programs as services on Windows startup, save process priority, monitor TCP/UPD](#)  
*best choice of IT Professionals*

### Windows enhancements:

- Monitor [CPU](#), [memory](#), [HDD temperature and load](#), [network](#), [notebook battery](#) and show [icons in system tray](#)  
  
*how is utilized your hardware?*
- [Click on title of any application to hide the window to tray, make it transparent, set it 'always on top'](#)
- [List of recently used folders in "Open"/"Save" dialogs](#)
- [Last launched programs and folders in tray menu](#)  
  
*XP or Vista can be much more handy*

### Capabilities:

- Attractive user interface
- Can replace Windows Task Manager
- [Can run as portable application](#)
- Compatible with all popular antivirus
- Check files with 30+ antivirus engines
- Search on Google with one click

- Save HajackThis log

## Requirements

Supported operation systems:

- Windows XP SP2
- Windows XP x64
- Windows 2003 SP2
- Windows Vista
- Windows Vista x64
- Windows 2008

Following features require admin rights:

- HDD temperature monitor
- Network traffic monitor

Software also works on following obsolete operation systems, but some features may be disabled:

- Windows 98
- Windows 2000
- Windows Me
- Windows XP

## Editios

There are 4 editions of the product

- AnVir Task Manager Free – freeware edition
- AnVir Task Manager – basic features
- AnVir Task Manager Pro – advanced features
- AnVir Security Suite – all features

To compare editions have a look at [this page](#).

## Installation

Download the last version of setup file from [download page](#).

Run the installer and follow instructions.

You can install simultaneously few editions of the product, but it's not recommended.

## Uninstal

There are few ways to uninstall the product. Choose any of following ways.

1. Open Control Panel, switch to “Add/Remove Programs”. Go to “AnVir Security Suite” and click Remove.
2. In the Start menu open AnVir Security Suite->Uninstall AnVir Security Suite.
3. In Explorer open folder where the product is installed and run “AnVir.exe Uninstall”.

Settings of the program are not deleted during uninstall.

Note: if you disabled some startup items or moved them to delayed startup list, enable them before uninstall, if you want them to run on Windows startup.

### Version Update

To get information about updates available, in the program main window go to Help->Check Version Update.

To update your installed version perform the same steps as for installation.

Download the last version of setup file from [download page](#).

Run the installer and follow instructions.

You can install simultaneously few editions of the product, but it's not recommended.

### Registration Key

To register the trial version of the program, go to Help->Enter Registration Key. Enter name and key into the registration dialog.

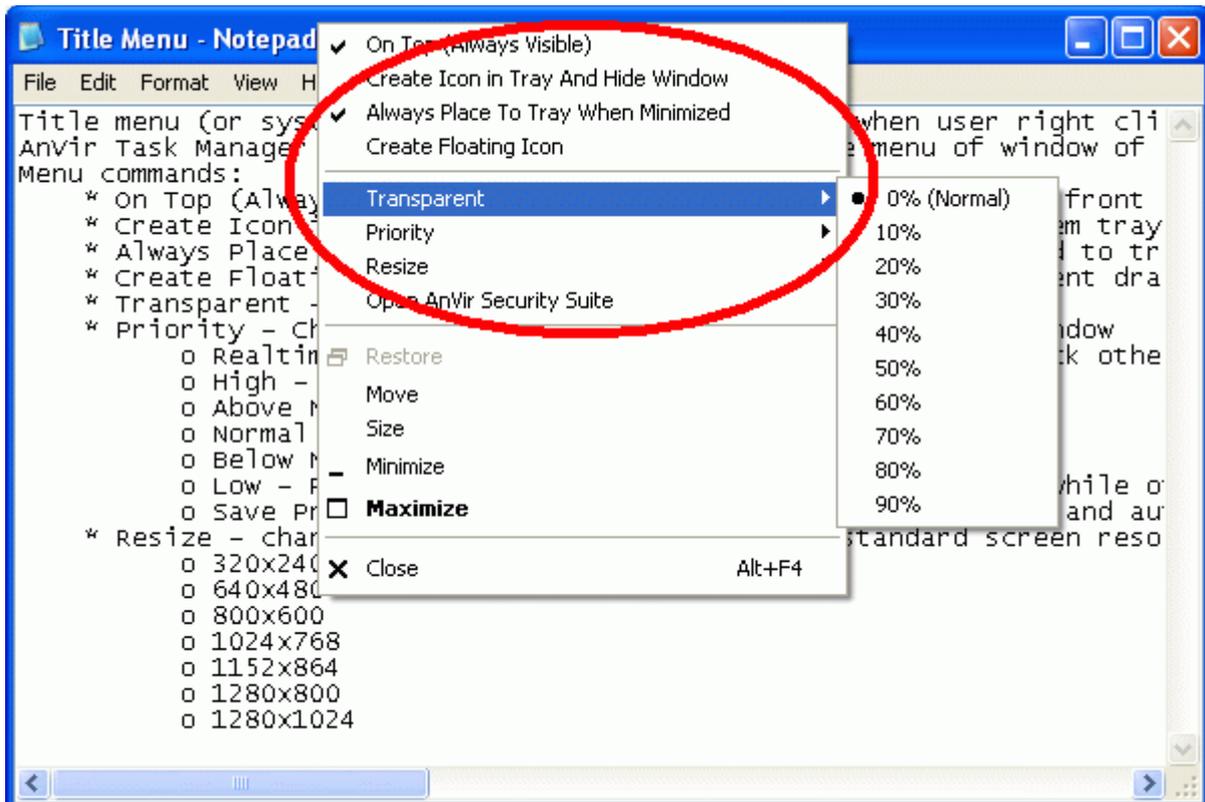
### Portable Mode

You can run the program in portable mode.

Perform following steps to run AnVir Software program as portable application:

1. Install the software.
2. Copy AnVir.exe, AnvirHook.dll and VirusTotalUpload.exe (optional) to the destination folder.
3. Run AnVir.exe from the destination folder. Setup some program options that you need. Go to Tools->Options->Advanced->Where to store settings. Select anvir.ini. Press Apply. All settings will be stored in anvir.ini in the destination folder. If file anvir.ini is found in the folder of executable, all setting will be loaded and stored to this file (instead of registry).
4. Copy all files from "c:\Documents and Settings\{user name}\Local Settings\Application Data\AnVir" to the destination folder. If file startup.dat is found in the folder of executable, all extended setting will be stored to this folder instead of "Local Settings" folder.
5. If you run the program on USB device you will be asked for the registration data, when you run the program first time from the USB device (only 1 time for the device).

## Title Menu



Title menu (or system menu) is a menu that is shown when user right clicks on a title of any window. Other ways to open title menu: press Alt+Space, or left click on an icon in the left of a window title.

AnVir Task Manager adds useful commands to the title menu of window of all applications.

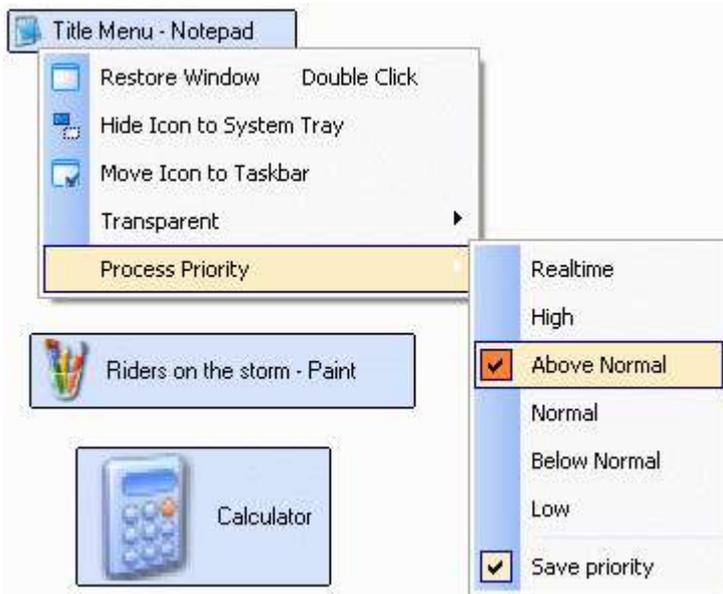
### Menu commands:

- **On Top (Always Visible)** – The window always remains in the front
- **Create Icon in Tray And Hide Window** - Place window to system tray
- **Always Place To Tray When Minimized** - Window will be placed to tray instead of task bar when it is minimized
- **Create Floating Icon** - Create small floating semi-transparent draggable icon that represent windows
- **Transparent** – Make window semi-transparent
- **Priority** - Change priority of the process that owns the window
  - Realtime - Process can use all CPU resources and block other programs
  - High – Process can use much CPU resources
  - Above Normal
  - Normal – default priority
  - Below Normal
  - Low - Process can't use much CPU resources and wait while other programs do their jobs
  - Save Priority – Save current priority of the process and automatically set this priority when the process starts
- **Resize** – change size of the window to one of standard screen resolutions

- 320x240
- 640x480
- 800x600
- 1024x768
- 1152x864
- 1280x800
- 1280x1024

## Floating Icons

Create small floating semi-transparent draggable icon that represent windows

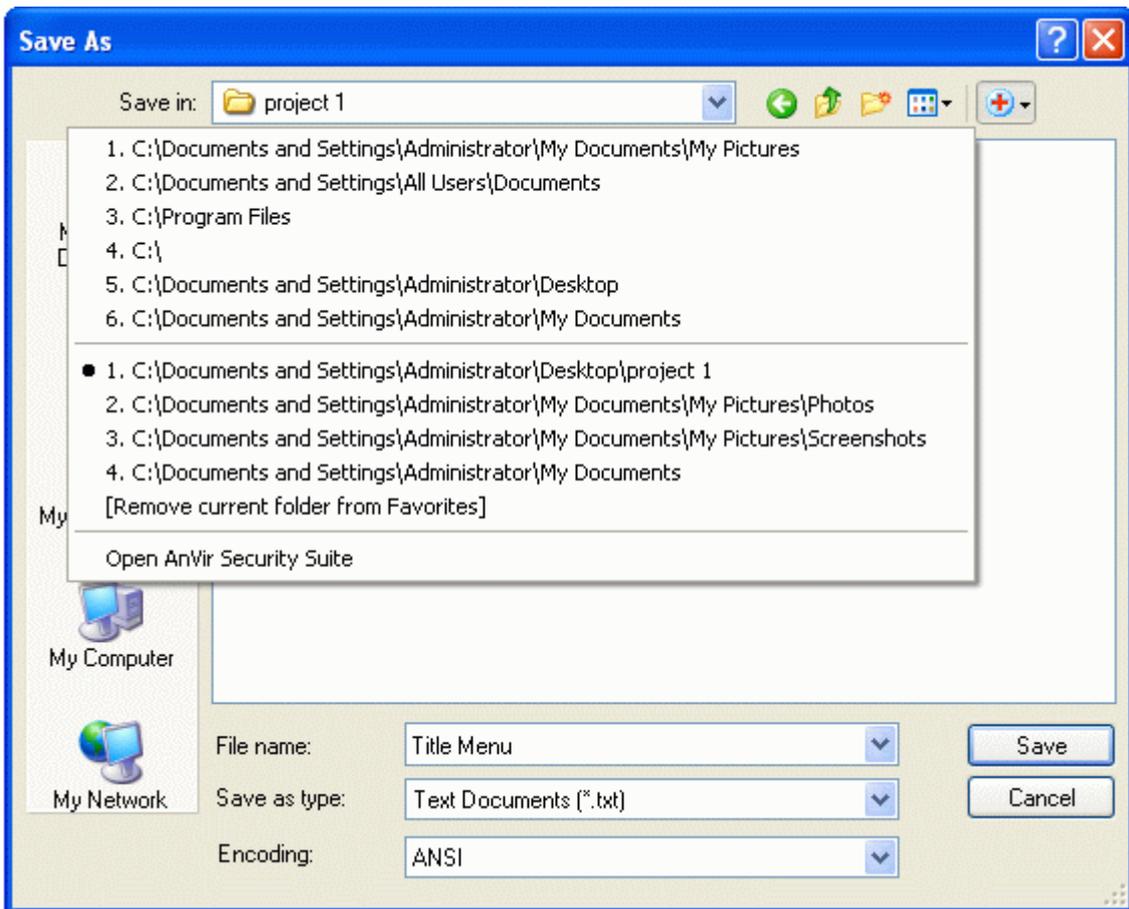


## Hide windows to tray

Create an icon in system tray that represents a window. Minimize inactive windows to System Tray and save Taskbar space for minimized windows. Taskbar is located at the bottom of the screen. System Tray is located in the bottom right corner of the screen.



## Open/Save Dialogs



AnVir Task Manager allows you to access a list of recently used folder and favorites folders from the Save and Open dialogs.

AnVir Task Manager inserts an extra button in all Windows XP Open/Save dialogs and in all MS Office Open/Save dialogs. (On Vista this button appears in MS Office applications only).

This button appear in the standard toolbar of Open/Save dialog.

When user clicks on this button, it shows a menu with list of recently used folders. Additionally, menu contains user's favorites folders. When user clicks on a menu item, Open/Save dialog navigates to the corresponding folder. This significantly saves time while opening and saving files.

Delayed Startup



Some programs are loaded by Windows after it starts. Such programs are listed in window Startup. When a user loads a computer he should wait while startup programs initialize.

You can speed up this process and not wait while all startup programs start.

Use Delayed Startup to speed up your computer's startup process. Delayed startup items will be started 1 minute (delay time can be customized) after Windows is loaded. So you can start using computer not waiting while Windows loads all startup programs.

To move a startup program to the delayed startup list select "Move to Delayed Startup List" in context menu on Startup page. In most cases you should use default delay time, but you can also setup custom delay time. Delay time is time between Windows loads and startup item is started.

When you place an application to delayed startup list, this application is removed from Windows startup list. This result in following rules:

- 1) AnVir Task Manager must run on Windows startup to launch delayed startup programs.
- 2) You should open settings of a program that was placed to delayed startup and set it not to run on Windows startup. This is because some programs will add itself to startup after they were removed from Windows startup list.
- 3) Only programs that are located in registry startup list can be placed to delayed startup. To move to delayed startup an application that stays in file system startup folders, run the program, switch to Process window, select the process and click Add to Startup. Item will be added to Windows startup. Then place the item to delayed startup.
- 4) Services and Internet Explorer extensions can not be placed to delayed startup.

To change custom delay time, right click on startup item, and select **Edit Delayed Startup Item**.

To remove the item from delayed startup list, right click on startup item, select **Edit Delayed Startup Item**, and click **Remove item from delayed startup list**.

The status of delayed startup items is shown on Startup window in column Delayed Startup.

## User Interface

Program window contains:

- Main menu
- Toolbar
- Main Windows
- Detailed Information Windows
- Status bar

Command of main menu and toolbar depends on the active main window.

You can use menu View to hide and show Toolbar and Status bar.

You can use splitter between main windows and detailed information windows to change size of main windows.

You can dock detailed information windows to the left, top, or right border of the main window.

## Main Windows

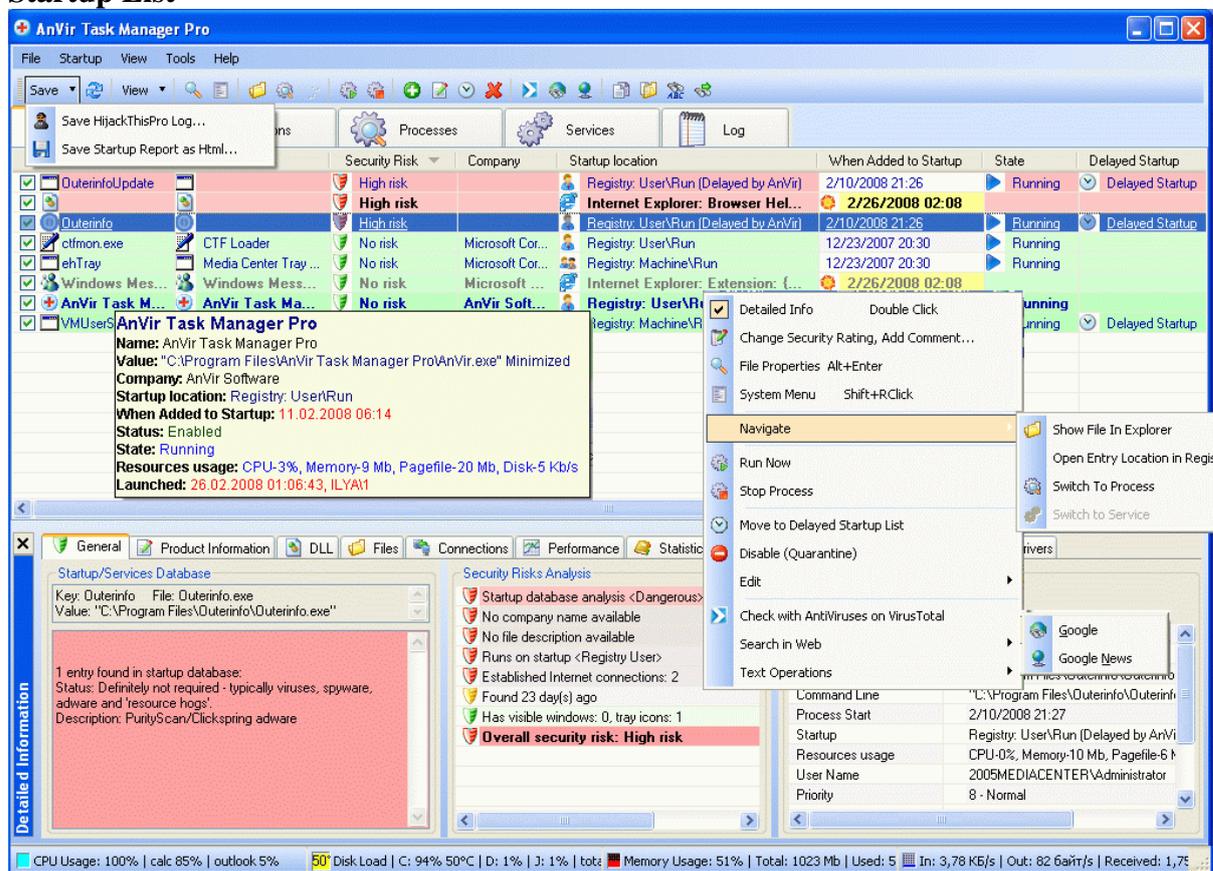
The program contains following main windows:

- Startup
- Applications
- Processes
- Services
- Log
- Antivirus

Window “Antivirus” is available in AnVir Security Suite.

## Startup Window

### Startup List



Startup window contains following items:

- Programs that run on Windows startup, or on user login.
- Non Microsoft services that run on Windows startup.
- Internet Explorer extensions: browser helper objects, toolbars, menu items.

### Columns

- Check mark – If the item is disabled, check mark is cleared.
- Name - Name of section in registry or name of file. If item is unchecked, it will not be

launched on startup.

- Value - Command line: path to executable file and parameters
- Product - Product description provided by file vendor
- Security Risk - Overall security risk for this item. 'No risk' - reliable program. 'Low'/'Medium' - pay attention, check on Virustotal. 'High' - remove this item. To change security risk on your opinion, in the context menu click 'Change Security Rating, Add Comment...' and add your comment to this item.
- Company - Product vendor
- Startup location - Where from item was loaded
- When Added to Startup - When item was detected first time. Items detected in the last week are marked.
- State - Is the corresponded process running
- Status - Enabled items run on Windows startup. Disabled items does not run on Windows startup.
- Delayed Startup - Use Delayed Startup to speed up your computer's startup process. Delayed startup items will be started 1 minute (delay time can be customized) after Windows is loaded. So you can start using computer not waiting while Windows loads all startup programs. To move a startup program to the delayed startup list select "Move to Delayed Startup List" in context menu on Startup page.

### **Menu commands**

#### **File**

Save HijackThisPro Log... – Save information about system to the file in HijackThis format

Save Startup Report as Html... - Save list of startup programs to html file

Export Startup to File... - Save list of startup programs to reg file

Import Registry File... – import data from reg file to system registry

Exit – exit program

#### **Startup**

Detailed Info Double Click – Show/hide detailed info window

Change Security Rating, Add Comment... – Change security rating of a file and add user comment to the file

File Properties Alt+Enter - Target File Properties

System Menu Shift+RClick – Show system context menu

## Navigate

Show File In Explorer – Open Explorer and select file that run on startup

Switch To Process – Open Process window and select process of the startup program

Open Entry Location in Registry – Open Registry Editor and select startup program

Open Entry Location in Services Manager – Open Services Manager

Open Entry Location in Explorer - Open Explorer and select file that is located in startup location

Switch to Service - Open Services window and select the service of the startup program

Run Now – Run startup program

Stop Process – Stop process of the startup program

Edit Delayed Startup Program – Edit startup delay time or restore from Delayed Startup List

Move to Delayed Startup List – Move startup program to Delayed Startup List

Disable (Quarantine) – Disable startup program from running on Windows startup

Enable - Enable disabled startup program for running on Windows startup

## Edit

Delete Entry Del – Delete record from Windows startup list

Edit Entry... – Change name, path or parameters

Add Entry... - Add new program to startup

Check with AntiViruses on VirusTotal - Check file with 30 AntiVirus engines on site [VirusTotal.com](http://VirusTotal.com)

## Search in Web

Google - Search information about startup program in Google

Google News - Search information about startup program in Google News

### Text Operations

Copy to Clipboard - Copy to clipboard full information about startup program

Copy Path - Copy to clipboard path of startup program file

Find... Ctrl+F – Find text in the window

Find Next F3 – Find text in the window

Refresh F5 – refresh data in the window

### **View**

Columns – select columns to show/hide in the window

Toolbar – show/hide toolbar

Grid – show/hide grids in all windows

Status Bar - show/hide status bar

Detailed Info - Show/hide detailed info window

### Text Colors

Security Risk Rate [red/yellow/green] – Enable/disable colors of security analysis

Hide Microsoft Programs [grey] – Show programs of Microsoft with grey text color

Mark New Startup Entries [bold] – Mark new startup programs with bold font

Mark Running Programs [blue] – Mark running startup programs with blue text color

**Programs that run on Windows startup, or on user login can be located in following locations:**

HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run  
HKCU\Software\Microsoft\Windows\CurrentVersion\Run  
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce  
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnceEx  
HKCU\Software\Microsoft\Windows\CurrentVersion\RunOnce  
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\RunServices  
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\RunServicesOnce  
HKCU\Software\Microsoft\Windows\CurrentVersion\RunServices

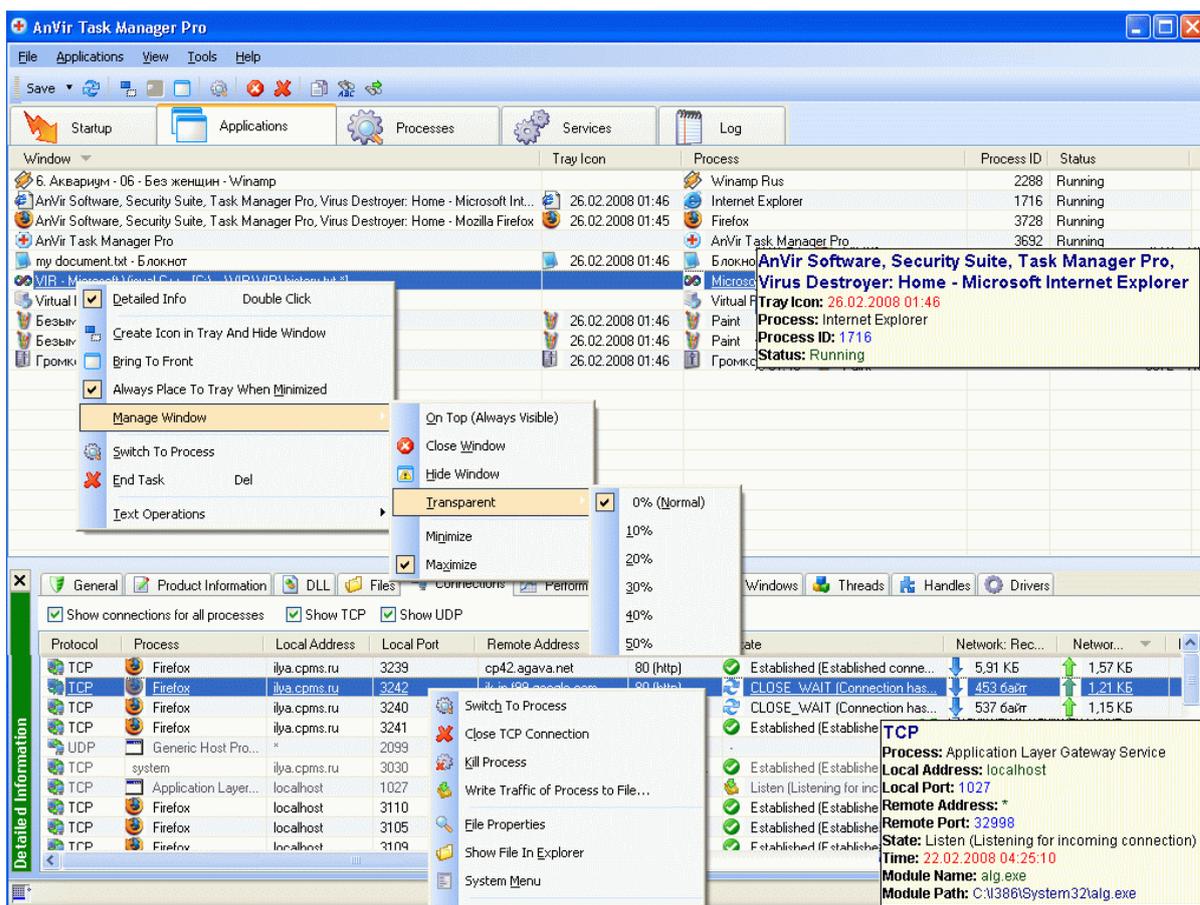
%SystemDrive%\Documents and Settings\All Users\Start Menu\Programs\Startup  
%SystemDrive%\Documents and Settings\\Start Menu\Programs\Startup  
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders, Common Startup  
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders, Common AltStartup  
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders, Common Startup  
HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders, Common AltStartup  
HKCU\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders, Startup  
HKCU\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders, AltStartup  
HKCU\Software\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders, Startup  
HKCU\Software\Microsoft\Windows\CurrentVersion\Explorer\User Shell Folders, AltStartup

HKCU\Software\Microsoft\Windows NT\CurrentVersion\Windows, load  
HKCU\Software\Microsoft\Windows NT\CurrentVersion\Windows, run

HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Browser Helper Objects  
HKCU\Software\Microsoft\Internet Explorer\UrlSearchHooks  
HKLM\SOFTWARE\Microsoft\Internet Explorer\Toolbar  
HKLM\SOFTWARE\Microsoft\Internet Explorer\Explorer Bars  
HKCU\Software\Microsoft\Internet Explorer\Explorer Bars  
HKLM\SOFTWARE\Microsoft\Internet Explorer\Extensions  
HKCU\Software\Microsoft\Internet Explorer\Extensions  
HKCU\SOFTWARE\Microsoft\Internet Explorer\MenuExt

Applications Window

**Applications List**



Window "Applications" contains list of running applications that have top level windows.

### Columns

- Window- Window title of running application
- Tray Icon- Tray icon created by AnVir Security Suite and time when window was hidden to tray
- Process - Process that owns the window
- Process ID - Unique numerical identifier of process that owns the window
- Status - Application status: "Running" or "Not Responding"

### Menu commands

### File

Save HijackThisPro Log... – Save information about system to the file in HijackThis format

Save Applications Report as Html... - Save list of running programs to html file

Exit – exit program

### Applications

Detailed Info Double Click – Show/hide detailed info window

Create Icon in Tray And Hide Window – Place window to system tray

Restore From Tray And Remove Icon – Remove icon of a window from system tray and restore window

Create Floating Icon – Create small floating semi-transparent draggable icon that represent windows

Bring To Front – Bring application to front

Always Place To Tray When Minimized – Window will be placed to tray instead of task bar when it is minimized

### Manage Window

On Top (Always Visible) – Place window on top of other windows

Close Window – Close window

Hide Window - Hide visible window

Unhide Window - Unhide hidden window

Transparent – Make window semi-transparent

Minimize - Minimize window

Maximize - Maximize window

Switch To Process - Open Process window and select process of the application

End Task Del – Terminate application

### Text Operations

Copy to Clipboard - Copy to clipboard full information about application

Copy Title - Copy to clipboard title of application

Find... Ctrl+F – Find text in Applications window

Find Next F3 – Find text in Applications window

Refresh F5 – refresh data in Applications window

## **View**

Columns – select columns to show/hide in the window

Toolbar – show/hide toolbar

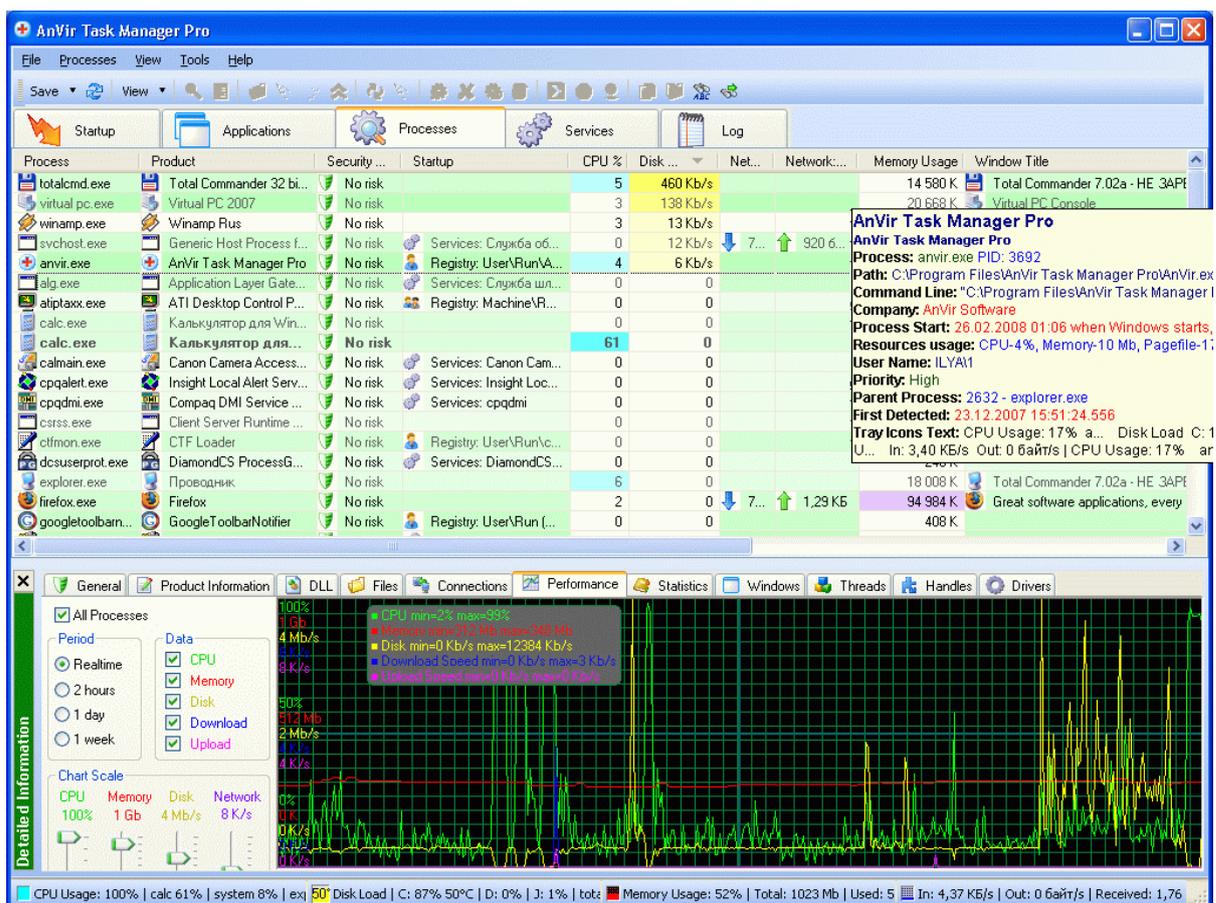
Grid – show/hide grids in all windows

Status Bar - show/hide status bar

Detailed Info - Show/hide detailed info window

Processes Window

**Processes List and Performance Graph**



Processes window contains list of running processes.

### Columns

- Process - Process name
- Product - Product description provided by file vendor
- Security Risk - Overall security risk for this item. 'No risk' - reliable program. 'Low'/'Medium' - pay attention, check on Virustotal. 'High' - remove this item. To change security risk on your opinion, in the context menu click 'Change Security Rating, Add Comment...' and add your comment to this item.
- Startup - Type of a process startup if it is run on Windows startup
- CPU % - Processor usage
- Disk Load - Summarized amount of data that process reads from disk and writes to disk per second
- Network: Received - Amount of data downloaded by a process from Internet or network
- Network: Sent - Amount of data uploaded by a process to Internet or network
- Download Speed - Current download speed
- Upload Speed - Current upload speed
- Memory Usage - Set of memory pages visible to a process in physical RAM
- Pagefile Usage - Amount of pagefile space that a process is using currently
- Work Time - Time pasts since a process was created [days hours minutes] or [hh:mm:ss]
- Priority - Scheduling priority of a process
- PID - Numeric identifier used to distinguish one process from another. Process IDs are valid from process creation time to process termination.
- Parent Process - Unique identifier, name and icon of process that created a process
- Window Title - Title of a process window

- Tray Icons Text - Text of tray icons and icon in system tray created by a process
- Company - Product vendor
- Executable File - Path to the process executable file
- CPU Time - Processor time usage [hh:mm:ss]
- User Name - Name of user started a process
- First Detected - When process was detected first time. Items detected in the last week are marked.

### **Menu commands**

#### **File**

Save HijackThisPro Log... – Save information about system to the file in HijackThis format

Save Processes Report as Html... - Save list of processes to html file

Exit – exit program

#### **Processes**

Detailed Info Double Click – Show/hide detailed info window

Change Security Rating, Add Comment... – Change security rating of a file and add user comment to the file

File Properties Alt+Enter – Properties of file of the process

System Menu Shift+RClick – Show system context menu of the file of the process

#### **Navigate**

Show File In Explorer – Open Explorer and select file of the process

Switch to Startup - Open Startup window and select the startup item of the process

Switch to Service - Open Services window and select the service of the process

Switch to Parent Alt+Up - Select parent process

Add to Startup – Add running process to Windows startup

Set Priority – Change priority of the process

Realtime - Process can use all CPU resources and block other programs

High – Process can use much CPU resources

Above Normal

Normal – default priority

Below Normal

Low - Process can't use much CPU resources and wait while other programs do their jobs

Auto Change Priority... – Open Processes Priority dialog, priority will be automatically changed when the process starts

Run As Service - Run application as service on Windows startup before user login

New Process... Ctrl+N - Run new process

Kill Process Del – Terminate process

Kill Process Tree Ctrl+Del – Terminate process with all process that it created

Block Process (Quarantine) – Open Blocked Processes dialog, automatically terminate process immediately after it starts

Restart – Terminate process and run it with the same parameters

Suspend Process – Suspend process, freeze all operations of the process

Resume Process - Resume suspended process

Free Memory – Swap all memory used by a process to the disk. When a process becomes foreground again and it needs its memory it reads memory from disk.

Check with AntiViruses on VirusTotal - Check file with 30 AntiVirus engines on site VirusTotal.com

Search in Web

Google - Search information about process in Google

Google News - Search information about process in Google News

## Text Operations

Copy to Clipboard - Copy to clipboard full information about process

Copy Path - Copy to clipboard path of process file

Find... Ctrl+F – Find text in the Processes window

Find Next F3 – Find text in the Processes window

Refresh F5 – refresh data in the Processes window

## View

Columns – select columns to show/hide in the window

Always On Top – Set application above all other applications

Toolbar – show/hide toolbar

Grid – show/hide grids in all windows

Status Bar - show/hide status bar

Detailed Info - Show/hide detailed info window

## Text Colors

Security Risk Rate [red/yellow/green] – Enable/disable colors of security analysis

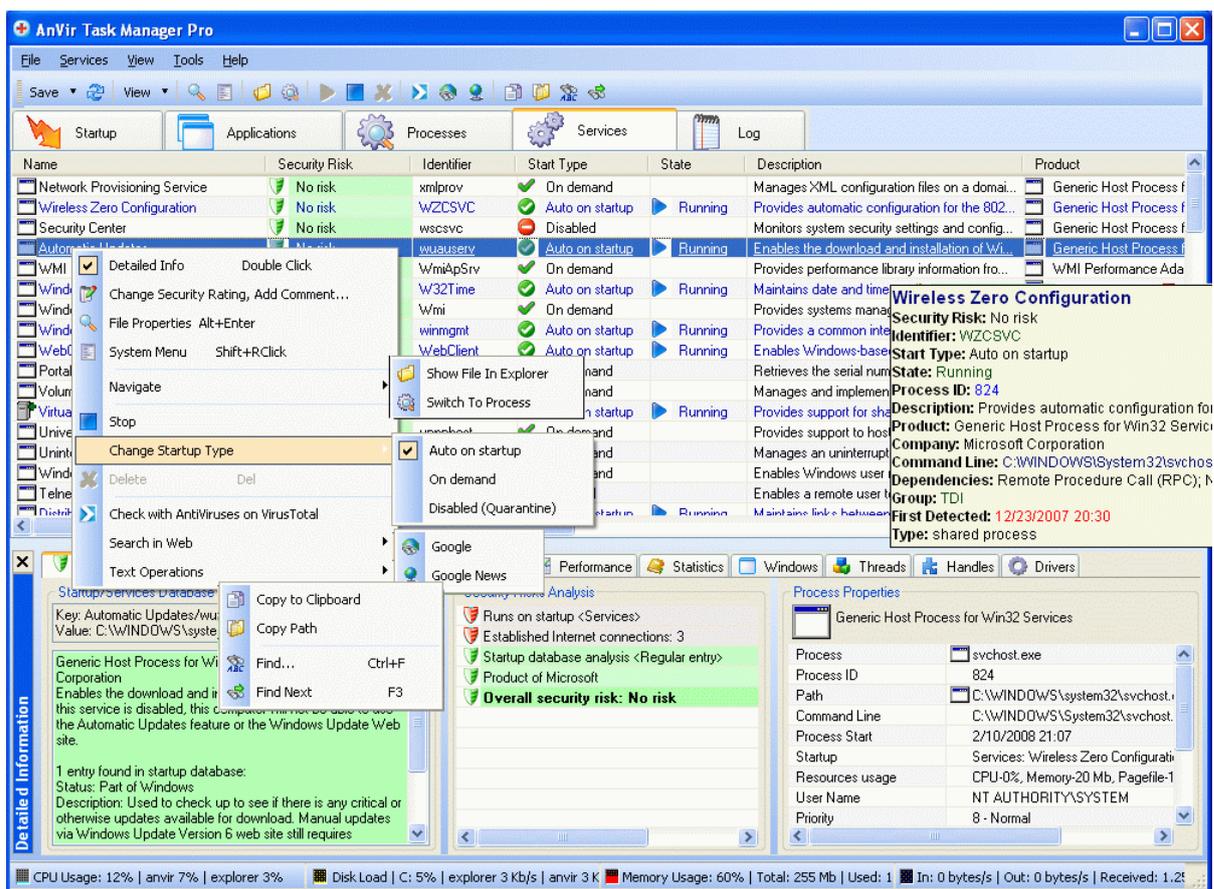
Hide Microsoft Processes [grey] – Show programs of Microsoft with grey text color

Mark New Processes [bold] – Mark new processes with bold font

Mark Processes that Consume Resources [blue+red] – Mark processes that consume resources with blue text color and consumed resources with red color

Services Window

**Services List**



Services window contains list of all system services.

### Columns

- Name - Display name of the service
- Security Risk - Overall security risk for this item. 'No risk' - reliable program. 'Low'/'Medium' - pay attention, check on Virstotal. 'High' - remove this item. To change security risk on your opinion, in the context menu click 'Change Security Rating, Add Comment...' and add your comment to this item.
- Identifier - Identifier of the service
- Start Type - When Windows starts the service. Auto - start at boot time, Manual - allows Windows to start a service when needed, Disabled - stop a service from starting, even if needed.
- State - Current state of the service
- Process ID - Process identifier of the service
- Description - Description of the service provided by vendor
- Product - Description of the product provided by vendor
- Company - Vendor of the service
- Command Line - Full path to the service binary file with arguments
- Dependencies - Names of services and drivers that must start before this service
- Group - Load ordering group to which this service belongs
- First Detected - When service was detected first time. Items detected in the last week are marked.
- Type - Type of the service

## **Menu commands**

### **File**

Save HijackThisPro Log... – Save information about system to the file in HijackThis format

Save Services Report as Html...- Save list of services to html file

Exit – exit program

### **Services**

Detailed Info Double Click – Show/hide detailed info window

Change Security Rating, Add Comment... – Change security rating of a file and add user comment to the file

File Properties Alt+Enter – Properties of file of the service

System Menu Shift+RClick – Show system context menu of the file of the service

### **Navigate**

Show File In Explorer – Open Explorer and select file of the service

Switch To Process – Open Process window and select process of the service

Start – Start service

Stop – Stop service

**Change Startup Type** - Change startup type of the service

Auto on startup – Run on Windows startup

On demand – Run when other programs need this service

Disabled (Quarantine) – Block from running

Delete Del – Delete record of the service

Check with AntiViruses on VirusTotal - Check file with 30 AntiVirus engines on site VirusTotal.com

### Search in Web

Google - Search information about startup program in Google

Google News - Search information about startup program in Google News

### Text Operations

Copy to Clipboard - Copy to clipboard full information about service

Copy Path - Copy to clipboard path of service file

Find... Ctrl+F – Find text in Services window

Find Next F3 – Find text in Services window

Refresh F5 – refresh data in Services window

### View

Columns – select columns to show/hide in Services window

Toolbar – show/hide toolbar

Grid – show/hide grids in all windows

Status Bar - show/hide status bar

Detailed Info - Show/hide detailed info window

### Text Colors

Security Risk Rate [red/yellow/green] – Enable/disable colors of security analysis

Hide Microsoft Services [grey] – Mark services of Microsoft with grey text color

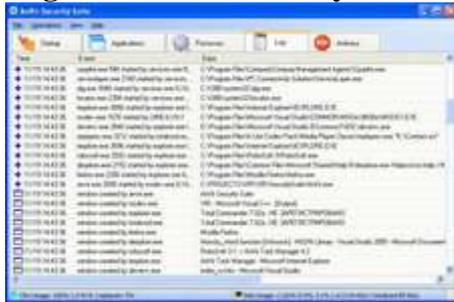
Mark Running Services [blue] – Mark running services with blue text color

Microsoft services – Show services of Microsoft in the window

Not Microsoft services – Show services of other companies in the window

Log Window

### Log of Processes Activity



Log window contains records of following system events:

- Processes created
- Processes terminated
- Windows created

### Columns

- Time - Date and Time of Event
- Event - Process Name, Process ID, Parent Process Name, Process Working Time, etc.
- Data - Command Line of Process, Window Title, or Description of Startup Item

### Menu commands

### File

Save HijackThisPro Log... – Save information about system to the file in HijackThis format

Save Log Report as Html... - Save log to html file

Exit – Exit program

### Log

### Text Operations

Copy to Clipboard - Copy to clipboard line from the log

Find... Ctrl+F – Find text in Log window

Find Next F3 – Find text in Log window

Clear All – Clear log

Switch To Process – Open Process window and select process that correspond to the log record

### **View**

Columns – select columns to show/hide in Log window

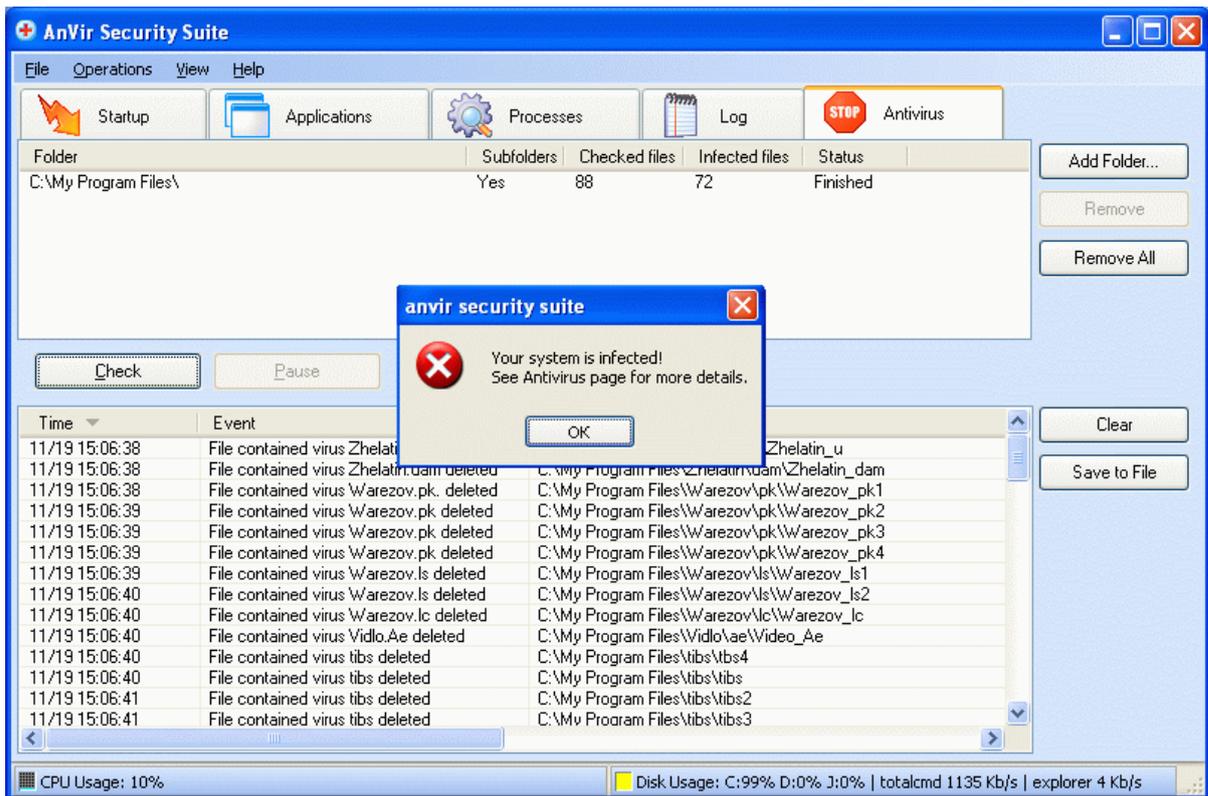
Toolbar – show/hide toolbar

Grid – show/hide grids in all windows

Status Bar - show/hide status bar

Antivirus Window

**Antivirus scanner**



Antivirus window allows to perform quick scan.

Virus database contains most propagated viruses only.

Menu Tools

**Menu commands**

**Tools**

Options... – Settings dialog

Find DLL, File, Driver or Process

Find Loaded DLL – Find all processes that load a DLL

Find Locked File – Find all processes that use a file

Find Driver - Find driver with a specified name

Find Startup Program - Find a Startup Program with a specified name

Find Service - Find Service with a specified name

Find Process - Find Process with a specified name

Find Data in Log – Find text in the log

Check Any File with AntiViruses on VirusTotal - Check file with 30 AntiVirus engines on VirusTotal.com

System Information – Show detailed system information

### Devices

Device Manager - Display and control the hardware attached to the computer

### Disk – Some disk operation

Backup Files

Check Disk

Clean Disk

Disk Defragmenter

### **Set some Windows settings**

#### Display

Keyboard

Mouse

Network Connections

Phone and Modem

Printers and Faxes

Sounds and Audio Devices

Security Related – Set some Windows settings

Security Center

Automatic Updates

Cookies

Internet Options

Shared Folders

Windows Firewall

Windows Settings

System Properties

Folders

Power Options

Regional and Language Options

Scheduled Tasks

User Accounts

Windows Task Manager

Edit Services

System Administrator Stuff

Computer Management

Disk Management

Event Viewer

Group Policy

Indexing Service

Msconfig

Performance Monitor

Registry Editor

Removable Storage

Removable Storage Operator Requests

Security Certificates

Security Policy

Users and Groups

Windows Management Instrumentation

## Detailed Information Windows

Detailed information windows gives full information about startup items, running processes, services and drivers.

Full list of detailed information windows:

- [General Window](#)
- [Product Information Window](#)
- [Dll List Window](#)
- [Files List Window](#)
- [Connections List Window](#)
- [Performance Window](#)
- [Statistics Window](#)
- [Windows Tree Window](#)
- [Threads List Window](#)
- [Handles List Window](#)
- [Drivers List Window](#)

Detailed information windows available when one of following main windows is active:

- Startup
- Applications
- Processes
- Services

To get detailed information, open appropriate main window and select desired item in the main window. Detailed information about selected item will be shown in detailed information windows.

You can use splitter between main windows and detailed information windows to change size of main windows.

You can dock detailed information windows to the left, top, or right border of the main window.

## General Window

General window contains following blocks:

- Startup/Services Database
- Security Risk Analysis
- Process Properties

## Startup/Services Database

This block gives information about startup item or service. Colors:

- Green – reliable item
- Red – harmful item
- Yellow – few variants found in the database

## Security Risk Analysis

This block gives detailed security analysis of the item. Following possible results can be shown:

Harmful:

- Fake extension of this file disguises its real file type.
- Name of this file simulates valid Microsoft file.
- Your own comment for this program.
- Security status of the item that was found in startup database.
- Name of this file was found in database of Trojans file names.
- This file of the program has 'hidden' attribute.
- Not Microsoft file in Windows folder.
- File has no company name provided by vendor.
- File has no internal description provided by vendor.
- The program has no windows or system tray icons.
- Service has no description provided by vendor.
- Program was detected first time not long ago.
- Program runs on Windows startup.
- Program can connect to Internet or use phone.

Reliable:

- Your own comment for this program.
- File was signed by a registrar.
- Security status of the item that was found in startup database.
- Product of Microsoft.
- Program has visible elements of user interface: windows or icons in system tray.

## Process Properties

- This block gives detailed information about running process:
- Process
- Process ID
- Path
- Command Line
- Process Start
- Startup

- Resources usage
- User Name
- Priority
- Parent Process
- Window Title
- Tray Icons Text
- Company

## Product Information

### Window

Product Information window contains following blocks:

- Version
- Service Description
- Your Comment

## **Version**

This block contains information about version and certificate of the file:

- File Version
- Description
- Copyright
- Comments
- Internal Name
- Legal Trademarks
- Original File name
- Product Name
- Product Version
- Private Build Description

Exact list of fields may be different for different files.

## **Service Description**

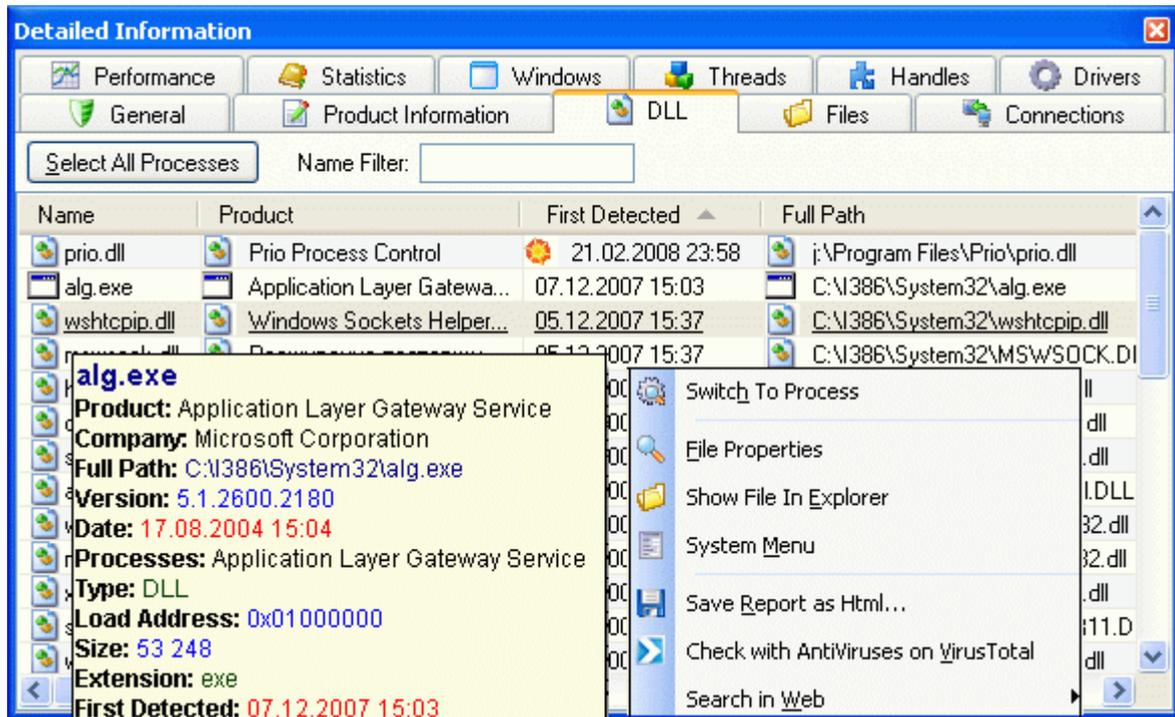
This block contains description of the service provided by the vendor.

## **Your Comment**

This block allows you to add some comments and set security risk rating for the file.

## Dll List Window

### Dll List



Dll list window shows list of dlls that are loaded by selected processes.

### Columns

- Name - Name of the module
- Product - Description of the module
- Company - Vendor of the module
- Full Path - Full path of the module
- Version - Version of the module
- Date - Date and time when the module was created
- Processes - In which processes of selected processes the module is loaded
- Type - Type of the module (driver, font, library)
- Load Address - Load address of the module
- Size - Size of the module in bytes
- Extension - Module extension
- First Detected - When dll was detected first time. Items detected in the last week are marked.

### Context Menu commands

Switch To Process - Open Process window and select process that use a DLL

File Properties – Open system dialog with properties of the DLL file

Show File In Explorer – Open Explorer and select file of the DLL

System Menu - Show system context menu of the file

Save Report as Html... - Save list of DLL to html file

Check with AntiViruses on VirusTotal - Check DLL with 30 AntiVirus engines on site VirusTotal.com

### Search in Web

Google - Search information about DLL in Google

Google News - Search information about DLL in Google News

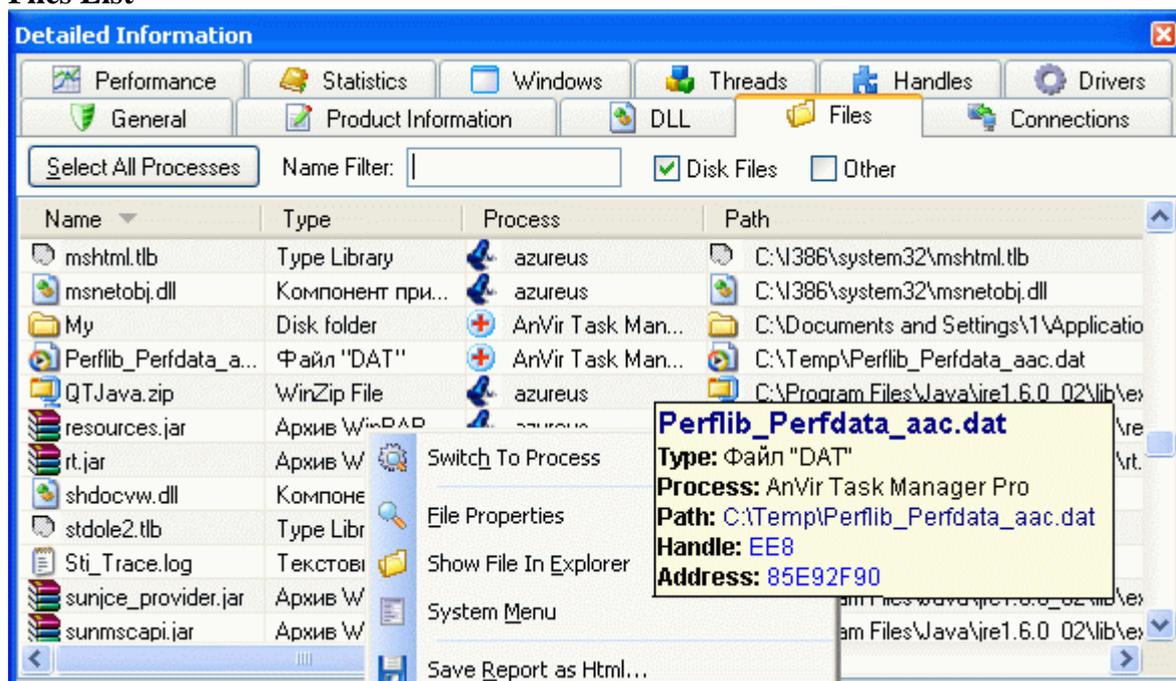
### Text Operations

Copy to Clipboard - Copy to clipboard full information about DLL

Copy Path - Copy to clipboard path of DLL file

Files List Window

### **Files List**



Files list shows list of files that are opened by selected processes.

### Columns

- Name - File Name
- Type - File Type
- Process - Process that opened the file
- Path - File full path
- Handle - Handle number

- Address - Kernel address

### **Context Menu commands**

Switch To Process - Open Process window and select process that use a file or folder

File Properties – Open system dialog with properties of the file or folder

Show File In Explorer – Open Explorer and select file or folder

System Menu - Show system context menu of the file or folder

Save Report as Html... - Save list of files and folders to html file

Check with AntiViruses on VirusTotal - Check file with 30 AntiVirus engines on site VirusTotal.com

### **Search in Web**

Google - Search information about file in Google

Google News - Search information about file in Google News

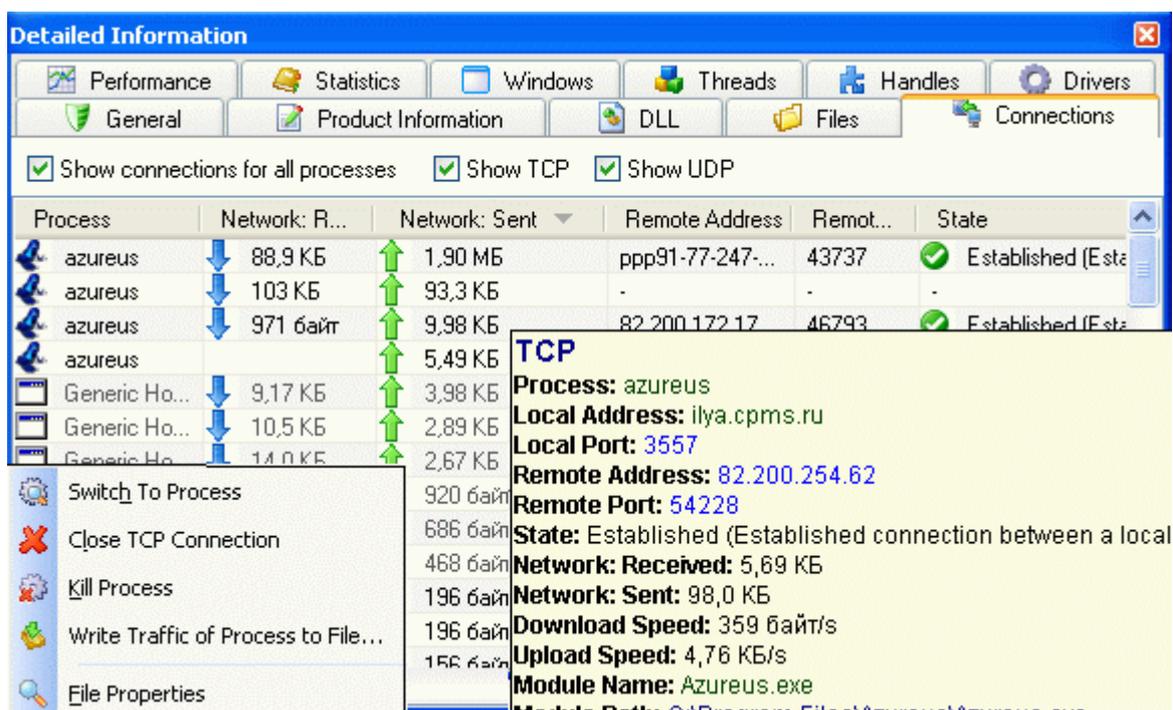
### **Text Operations**

Copy to Clipboard - Copy to clipboard full information about file

Copy Path - Copy to clipboard path of file

Connections List Window

### **Connections List**



Connections list shows network connections that are opened by selected processes.

### Columns

- Protocol - Connection protocol: TCP or UDP
- Process - The name of the process that issued a context bind for this link
- Local Address - The IPv4 address and name of the local endpoint in the link
- Local Port - The number and name of the port used by the local endpoint
- Remote Address - The IPv4 address and name of the remote endpoint in the TCP link
- Remote Port - The number and name of the port used by the remote endpoint
- State - State of the local TCP link
- Network: Received - Amount of data downloaded by a process from Internet or network
- Network: Sent - Amount of data uploaded by a process to Internet or network
- Download Speed - Current download speed
- Upload Speed - Current upload speed
- Time - System time value which indicates when the context bind operation that created this link occurred
- Module Name - Module name
- Module Path - Module full path

### Context Menu commands

Switch To Process - Open Process window and select process that opened the connection

Close TCP Connection – Close connection (only for TCP connections that have remote IP address)

Kill Process – Kill process that use this connection

Write Traffic of Process to File... – Show file section dialog, start sniffing traffic of the connection (socket) and writing traffic to the file in binary format.

Stop Writing Traffic of Process – Stop writing traffic of the socket to the file in binary format.

File Properties – Open system dialog with properties of the process file or dll that uses the connection

Show File In Explorer – Open Explorer and select process file or dll that uses the connection

System Menu - Show system context menu of the process file or dll that uses the connection

Save Report as Html... - Save list of connections to html file

Check with AntiViruses on VirusTotal - Check file with 30 AntiVirus engines on site VirusTotal.com

### Search in Web

Google - Search information about process in Google

Google News - Search information about process in Google News

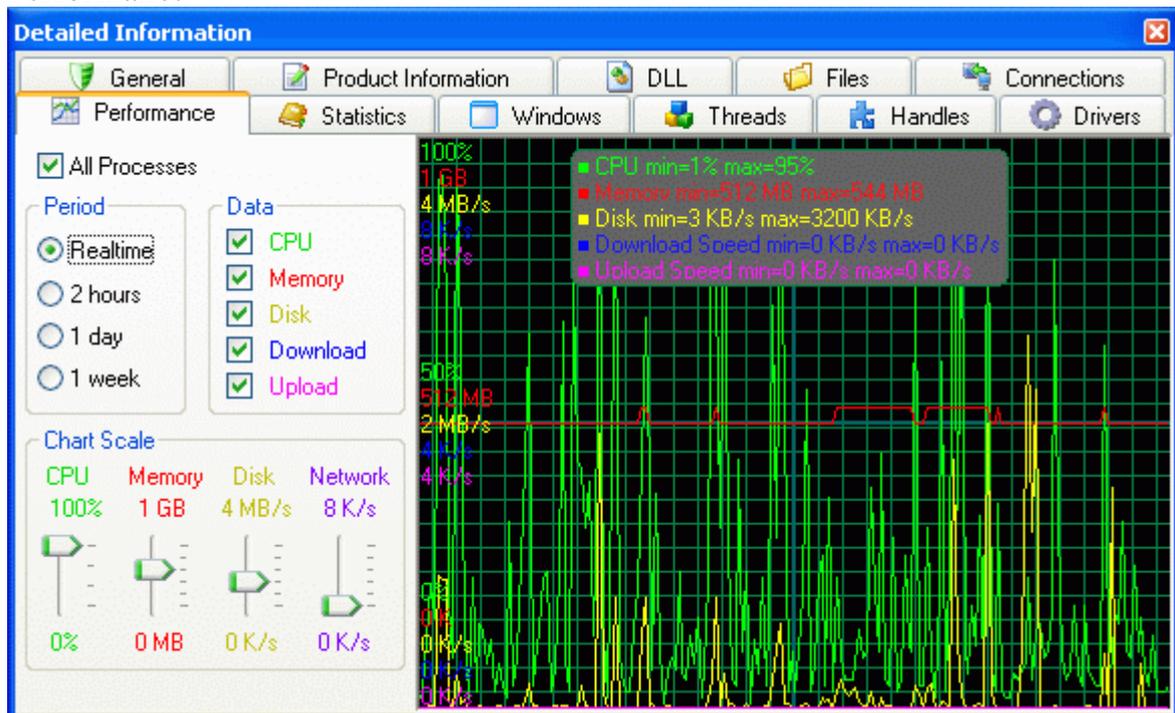
### Text Operations

Copy to Clipboard - Copy to clipboard full information about connection

Copy Path - Copy to clipboard path of the process file or dll that use the connection

## Performance Window

### Performance



Performance Window shows performance graphs for the selected process. You can set check box

"All Processes" to see total graph for all processes. Following graphs are available:

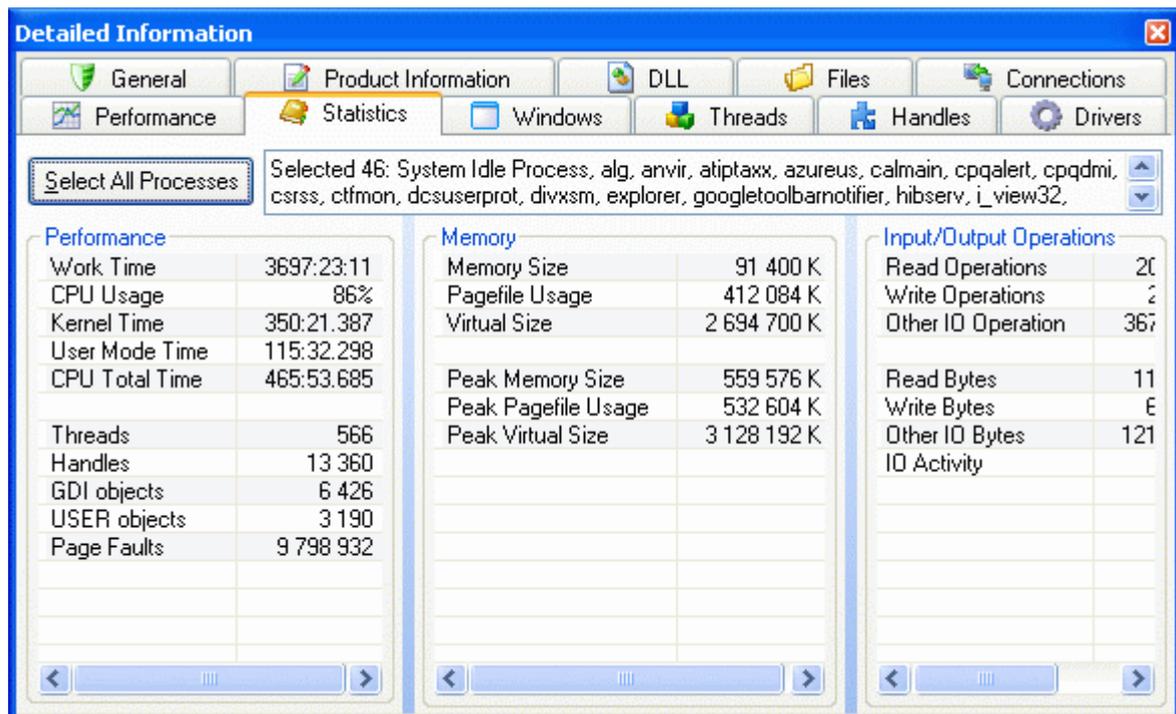
- CPU – Processor usage
- Memory – Memory usage
- Disk - Amount of data that process reads and writes to disk per second
- Download - Amount of data downloaded by a process from Internet or network per second
- Upload - Amount of data uploaded by a process to Internet or network per second

You can select one of available periods for visualization:

- Realtime (approx 10 minutes)
- 2 hours
- 1 day
- 1 week

You can use scale sliders to set up charts scale.

### Statistics Window



Statistics shows performance counters of selected processes. This window contains following blocks:

- Performance
- Memory
- Input/Output Operations

## Performance

This block shows following counters:

- Work Time - Time pasts since a process was created [days hours minutes] or [hh:mm:ss]
- CPU Usage - Processor usage by a process
- Kernel Time - Kernel mode processor usage mm:ss.ms
- User Mode Time - User mode processor usage mm:ss.ms
- CPU Total Time - Processor time usage. Sum of Kernel mode usage and User mode usage.
- Threads - Number of active threads associated with a process. A thread is the object that executes an instruction. Each running process has at least one thread.
- Handles - Total number of open handles owned by the process. Handles count is the sum of the handles currently open by each thread in this process. A handle is used to examine or modify the system resources. Each handle has an entry in a table that is maintained internally. Entries contain the addresses of the resources and data to identify the resource type.
- GDI objects - The count of GDI objects in use by the process
- USER objects - The count of USER objects in use by the process
- Page Faults - Number of page faults generated by the process

## Memory

This block shows following counters:

- Memory Size - Set of memory pages visible to the process in physical RAM. These pages are resident, and available for an application to use without triggering a page fault. If adequate memory is not available, "disk thrashing" occurs. (Disk thrashing refers to those times when the operating system must repeatedly access the hard disk.)
- Pagefile Usage - Amount of pagefile space currently used by the process
- Virtual Size - Current size of the virtual address space that a process is using, not the physical or virtual memory actually used by the process. Using virtual address space does not necessarily imply corresponding use of either disk or main memory pages. Virtual space is finite, and by using too much, the process might not be able to load libraries.
- Peak Memory Size - Maximum size of the working set used by the process since it was created
- Peak Pagefile Usage - Maximum amount of page file space used during the life of a process
- Peak Virtual Size - Maximum virtual address space a process uses at any one time

## Input/Output Operations

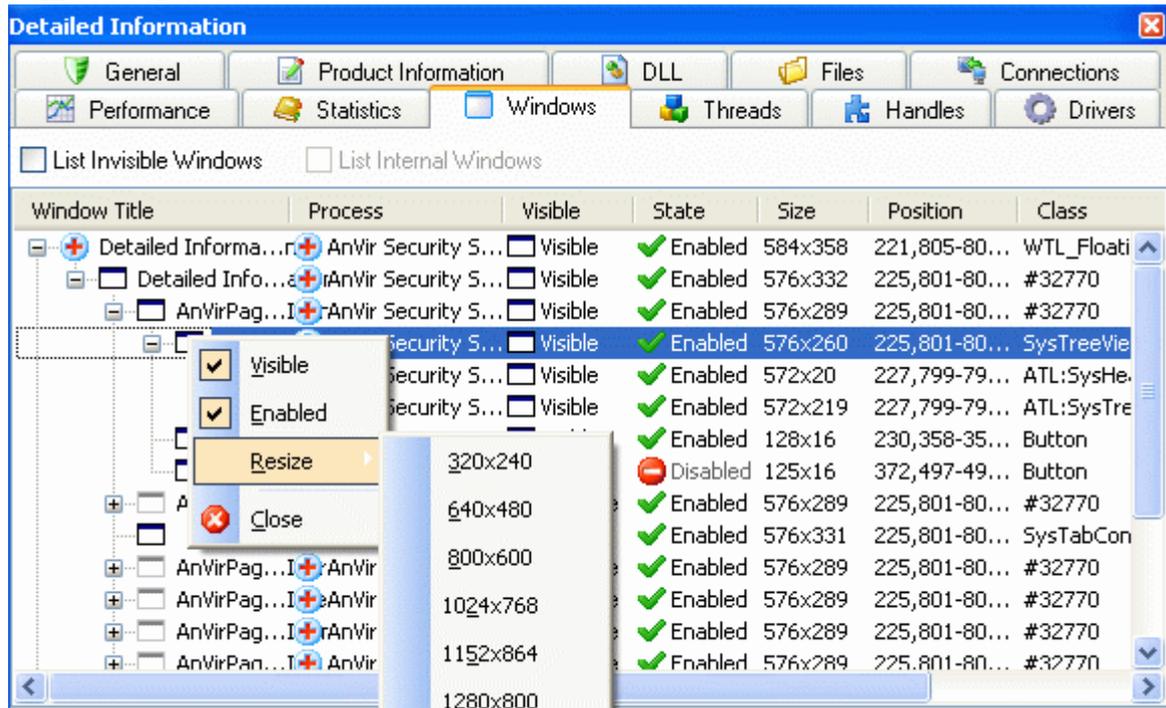
This block shows following counters:

- Read Operations - Number of read operations performed
- Write Operations - Number of write operations performed
- Other IO Operation - Number of I/O operations performed, other than read and write operations

- Read Bytes - Amount of data read
- Write Bytes - Amount of data written
- Other IO Bytes - Amount of data transferred during operations that are not read or write operations
- IO Activity - IO speed, summarized amount of data read, write and transferred per second

## Windows Tree Window

### Windows tree



Windows tree shows windows of selected processes. Windows are shown as parent/child tree.

### Columns

- Windows Title – Text shown in the title of a window
- Process – Process created the window
- Visible – Is window visible or hidden
- State - Is window enabled or disabled
- Size – Size of window
- Position – Position of a window
- Class – Name of window class
- Handle – Handle of a window

### Context Menu commands

Visible – Hide visible window / unhide invisible window

Enabled – Enable disabled window / disable enabled window



- Base Priority - Thread base priority
- Context Switches - Context switches
- State - Thread state
- Wait Reason - Thread wait reason: "Executive", "FreePage", "PageIn", "PoolAllocation", "DelayExecution", "Suspended", "UserRequest", "EventPair", "Queue", "LpcReceive", "LpcReply", "VirtualMemory", "PageOut", "Rendezvous", "Kernel"
- Window Title - Title of a window associated with a thread
- Handles of Windows - Handles of windows associated with a thread
- Process - Process owner of the thread
- Address - Start address of the thread

### Context Menu commands

Suspend – Suspend thread execution

Resume – Resume thread execution

Terminate – Kill thread

Copy - Copy to clipboard full information about selected threads

Save Report as Html... - Save list of threads to html file

Handles List Window

### Handles List

H...	Type	Name	Process	Address
4	Process	PID 4,	system	82BCA830
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	smss	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	csrss	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	winlogon	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	services	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	lsass	E10096E0
4	KeyedEvent	4	evxx	E10096E0
4	KeyedEvent	Type: KeyedEvent	host[1036]	E10096E0
4	KeyedEvent	Name: \KernelObjects\CritSecOutOfMemoryEvent	host[1152]	E10096E0
4	KeyedEvent	Process: services	host[1248]	E10096E0
4	KeyedEvent	Address: E10096E0	host[1344]	E10096E0
4	KeyedEvent		host[1540]	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	ati2evxx	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	explorer	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	avgamsvr	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	avgupsvc	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	cpqalert	E10096E0
4	KeyedEvent	\KernelObjects\CritSecOutOfMemoryEvent	syntplpr	E10096E0

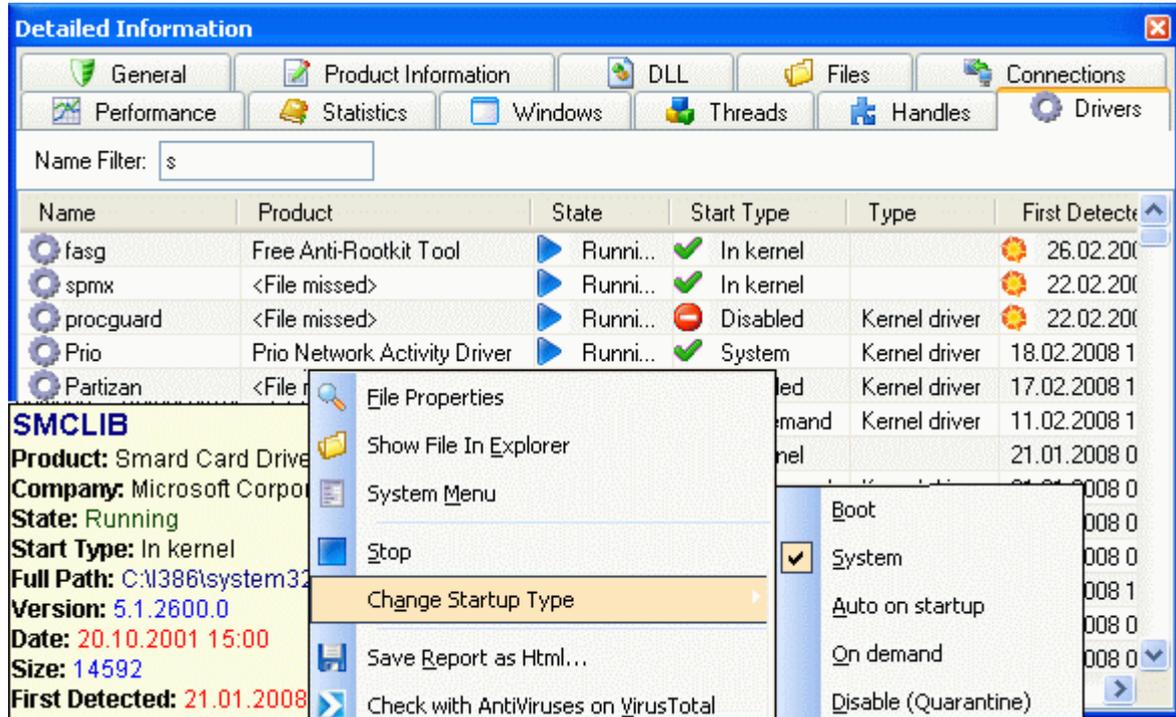
Handles window shows all handles of selected processes. Columns:

- Handle - Handle number
- Type - Handle type: Port, Directory, Event, KeyedEvent, WindowStation, Desktop, Mutant, Semaphore, Key, Thread, Section, IoCompletion, etc.
- Name - Object name or description

- Process - Owner of the handle
- Address - Kernel address

## Drivers List Window

### Drivers List



Drivers window shows all drivers installed in system.

### Columns

- Name - Display name of the driver
- Description - Description of the driver provided by vendor
- Product - Description of the file provided by vendor
- Company - Vendor of the driver
- State - Current state of the driver
- Start Type - When Windows starts the driver: Disabled, On demand, Auto on startup, System, Boot, In kernel
- Type - Type of the driver: Kernel driver, File system driver
- Full Path - Full path to the driver binary file
- Version - Version of the driver
- Date - Date and time when the file was created
- Size - Size of the module in bytes
- Dependencies - Names of drivers that must start before this driver
- Group - Load ordering group to which this driver belongs
- First Detected - When driver was detected first time. Items detected in the last week are marked.

### Context Menu commands

File Properties – Open system dialog with properties of the file of the driver

Show File In Explorer – Open Explorer and select file of the driver

System Menu - Show system context menu of the file of the driver

Stop – stop running driver

Start – start driver

Change Startup Type – change start type of the driver

Boot – Start device driver by the system loader at Window load

System - Start device driver by the IoInitSystem function at Window load

Auto on startup - Start driver automatically by the service control manager during system startup

On demand - Start driver by the service control manager when a process needs this driver and calls the StartService function

Disable (Quarantine) - A driver cannot be started. Attempts to start the driver result in the error

Save Report as Html... - Save list of drivers to html file

Check with AntiViruses on VirusTotal - Check file of the driver with 30 AntiVirus engines on site VirusTotal.com

### Search in Web

Google - Search information about file of the driver in Google

Google News - Search information about file of the driver in Google News

### Text Operations

Copy to Clipboard - Copy to clipboard full information about driver

Copy Path - Copy to clipboard path of the file of the driver

### System Tray Icons and Menu

System tray is an area in the right bottom corner of a screen near of clock.

The program creates following dynamic icons in system tray:

- [CPU Icon](#)
- [Disk Icon](#)
- [Memory Icon](#)
- [Network Icon](#)
- [Battery Icon](#)
- [Combined Icon](#)
- [Icons of windows minimized to system tray](#)

You can place a mouse pointer on an icon to see icon tooltip. If you left click on an icon, tooltip will stay on the screen and not disappear. To hide tooltip, click on the tooltip once more.

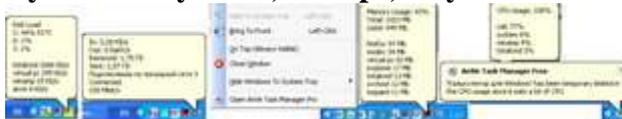
If you right click on an icon, tray menu appears.

When you minimize windows to tray, the program creates tray icon for each minimized window.

### Dynamic tray icons and icons of minimized windows

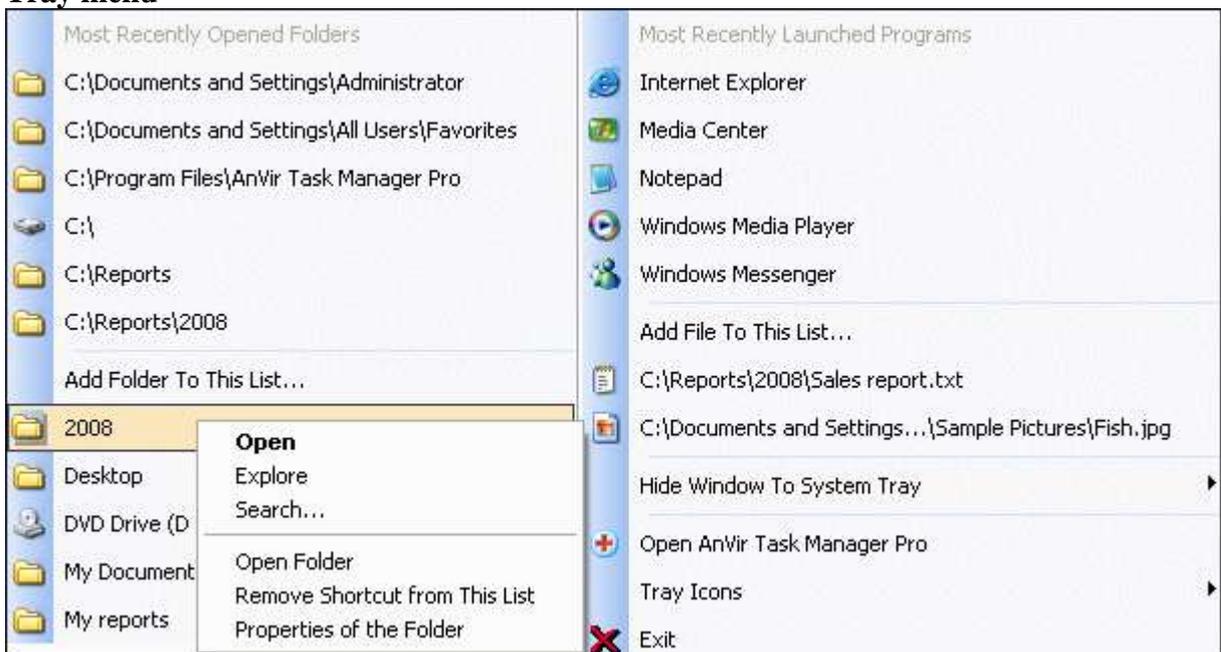


### Dynamic tray icons, tooltips, tray menu



### System Tray Menu

#### Tray menu



When you right click on any of dynamic icons in system tray, tray menu appears.

Tray menu contains following blocks of commands:

- Most recently opened folders
- Custom favorite folders
- Most recently launched programs
- Custom favorite programs and files

### CPU Icon



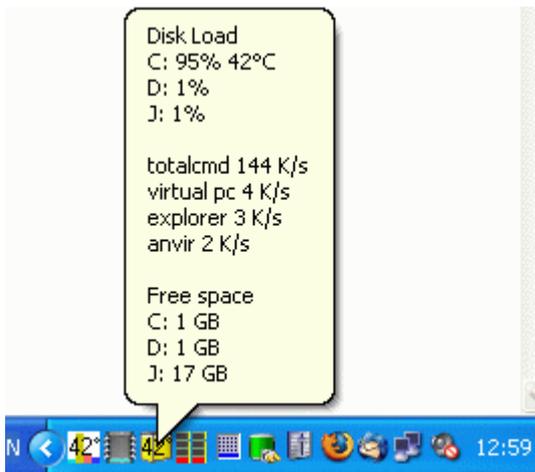
CPU icon stays in system tray and represents how much of CPU (processor) resources are currently in use.

Tooltip shows following information:

- Total usage of CPU
- List of processes that use CPU (processor) most of all
  - Name of the processes
  - Processes usage of CPU

To activate tray-monitoring left-click on the CPU icon.

### Disk Icon



Disk icon stays in system tray and represents

- Current load of logical disks
- Current temperature of physical disks (HDD)

Tray icon gets temperature via S.M.A.R.T. Some external disks don't support SMART so temperature of such HDD is not shown. If there are few hard disk drives, tray icon shows current temperature of the most hot physical disk.

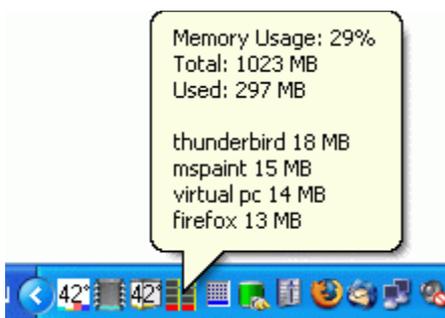
If there are few logical disks, tray icon shows disk load of the most loaded logical disk. High load of a disk means that programs currently read and write a lot of data to the disk.

Tray icon tooltip shows following data:

- Disk load of each logical disk
- Temperature of each physical disk (admin rights required, disks must support S.M.A.R.T.)
- Processes that use disks most of all
- Free space on each logical disk

To activate tray-monitoring left-click on the Disk icon.

## Memory Icon



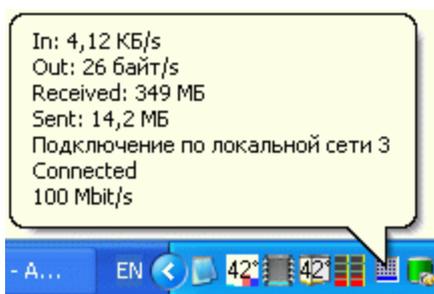
Memory icon stays in system tray and represents usage of physical memory

Tray icon tooltip shows following data:

- Percent of total memory usage
- Total amount of physical memory on PC
- Amount of physical memory in use
- List of processes that use memory most of all
  - Name of the process
  - Amount of physical memory that the process uses

To activate tray-monitoring left-click on the Memory icon.

### Network Icon



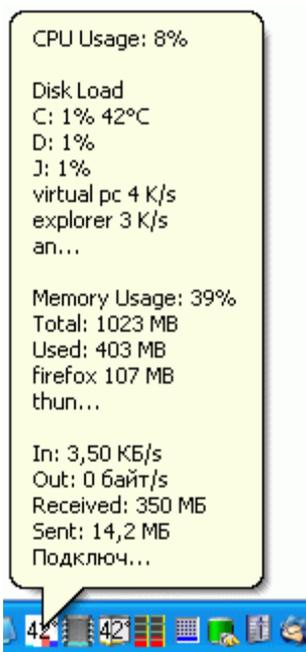
Network icon stays in system tray and represents current usage of network adapter(s).

Tooltip shows following information:

- Inbound speed
- Outbound speed
- Amount of received data
- Amount of sent data
- Name of connection
- Status of connection: Disabled, Unreachable, Disconnected, Connecting, Connected
- Network connection speed

To activate tray-monitoring left-click on the Network icon.

### Combined Icon



You can use combined icon to save system tray space. Combined icon can show few of following dynamic indicators:

- CPU usage
- Disk load
- Disk temperature
- Memory usage
- Network load
- Battery state

#### Icons of Minimized Windows



When you minimize window to system tray, AnVir Security Suite creates an icon for that window in system tray. You can click on the icon to restore window. You can right click on the icon to open tray menu. Tray menu for minimized windows allows to restore window, hide window, make window always on top, or hide other windows to system tray.

#### Battery Icon



Battery icon stays in system tray and represents current state of notebook battery.

Tooltip shows following information:

- Remaining time and percent
- Battery status: High, Low, Critical, Charging, No system battery (not notebook)
- AC power: Online, Offline

To activate tray-monitoring left-click on the Battery icon.

## Notifications

AnVir Security Suite monitors system settings and shows following notifications when some programs tries to change system settings:

- [New Startup Item](#)
- [Internet Explorer Homepage Changed](#)

## New Startup Item

### Startup alert



When any program tries to add new startup item, AnVir Security Suite shows notification. Following startup items are monitored:

- Programs that run on Windows startup, or on user login.
- Non Microsoft services that run on Windows startup.
- Internet Explorer extensions: browser helper objects, toolbars, menu items.

Notification dialog shows following information:

Name and value of new startup item

Company name and product description

Startup database analysis

When new startup item found, you can choose one of following actions:

Allow – No action will be performed. Select this action if you need this item.

Quarantine – Startup item will be disabled. Select this action if you don't need this startup item, but you may need this in future.

Delete - Startup item will be deleted. Select this action if you definitely don't need this startup item.

For some annoying startup items you can set check box "Don't ask any more about this startup item." In this case selected action will be performed always when this startup item detected.

Internet Explorer Homepage Changed

**Internet Explorer home page changed**



When any program tries to change Internet Explorer home page, AnVir Security Suite shows notification.

When Internet Explorer home page changed, you can choose one of following actions:

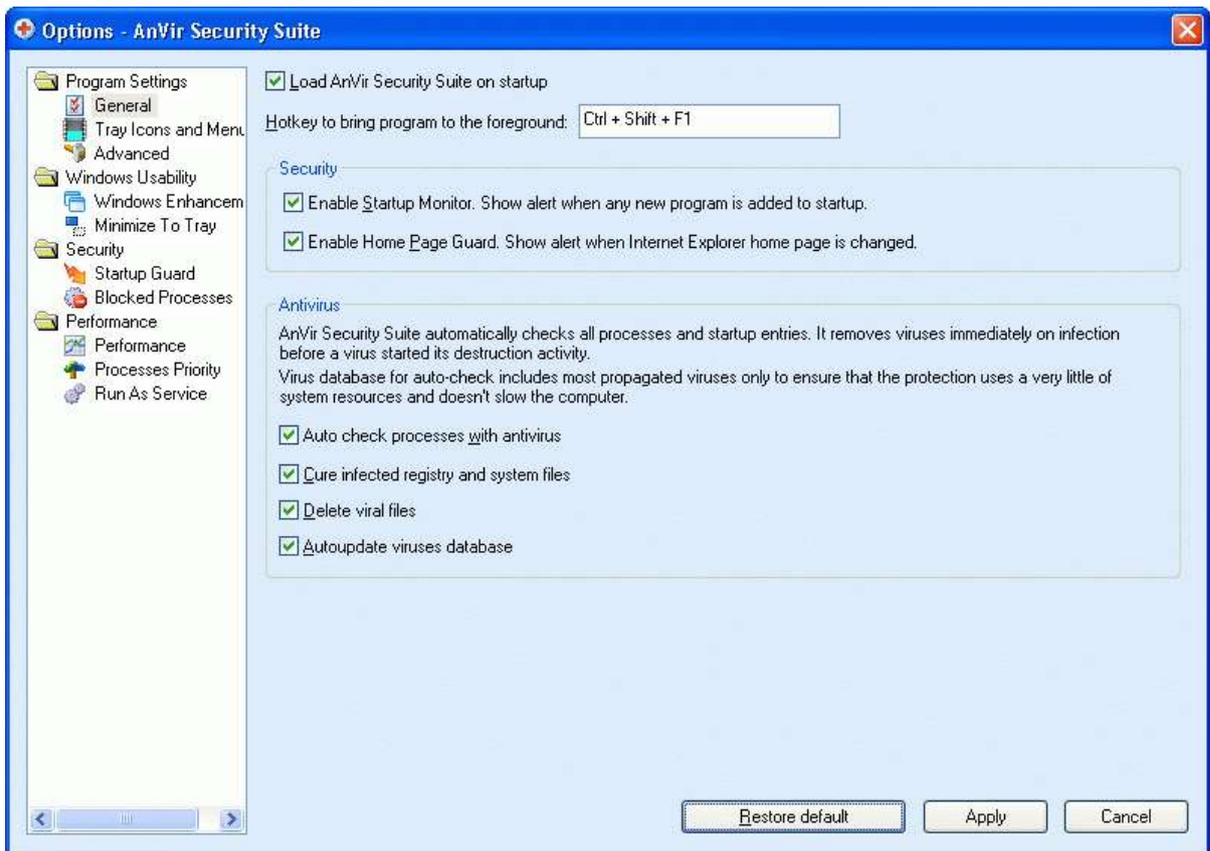
- Allow new home page
- Restore old home page

Settings

To open settings dialog, go to Tools-Options.

General

**Settings dialog**



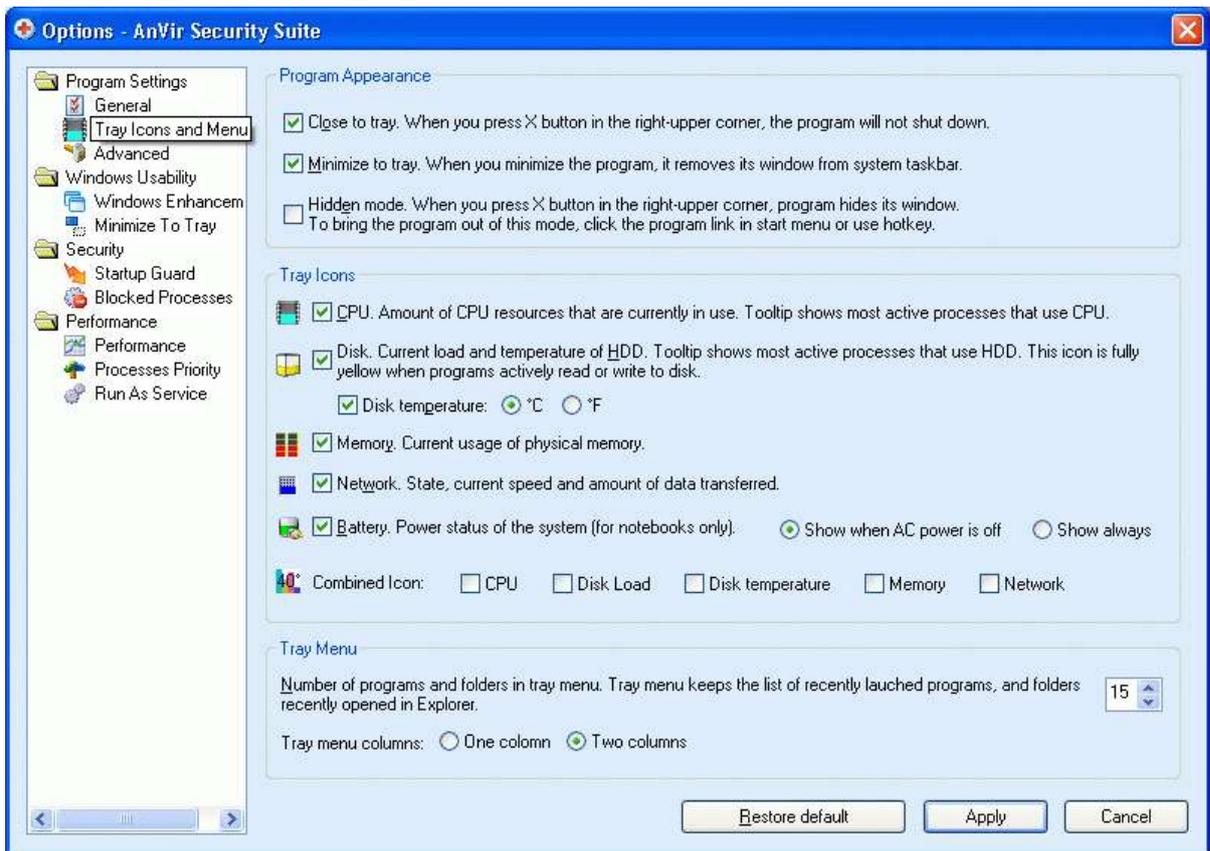
**Load program on startup** – start the program every time when Windows starts

**Hotkey to bring program to the foreground** – press combination of key that brings program to the foreground. Default: Ctrl-Shift-F1

**Enable Startup Monitor** - Show alert when any new program is added to startup

**Enable Home Page Guard** - Show alert when Internet Explorer home page is changed

Tray



## Program Appearance

**Close to tray** - When you press X button in the right-upper corner, the program will not shut down.

**Minimize to tray** - When you minimize the program, it removes its window from system taskbar.

**Hidden mode** - When you press X button in the right-upper corner, program hides its window. To bring the program out of this mode, click the program link in start menu or use hotkey.

## Tray Icons

Set up which icons are shown in system tray.

**CPU** - Amount of CPU resources that are currently in use. Tooltip shows most active processes that use CPU.

**Disk** - Current load and temperature of HDD. Tooltip shows most active processes that use HDD. This icon is fully yellow when programs actively read or write to disk.

**Disk temperature:** °C or °F

**Memory** - Current usage of physical memory.

**Network** - State, current speed and amount of data transferred.

**Battery** - Current state of notebook battery.

**Combined Icon** - Save space in system tray and place all or some indicators on one tray icon.

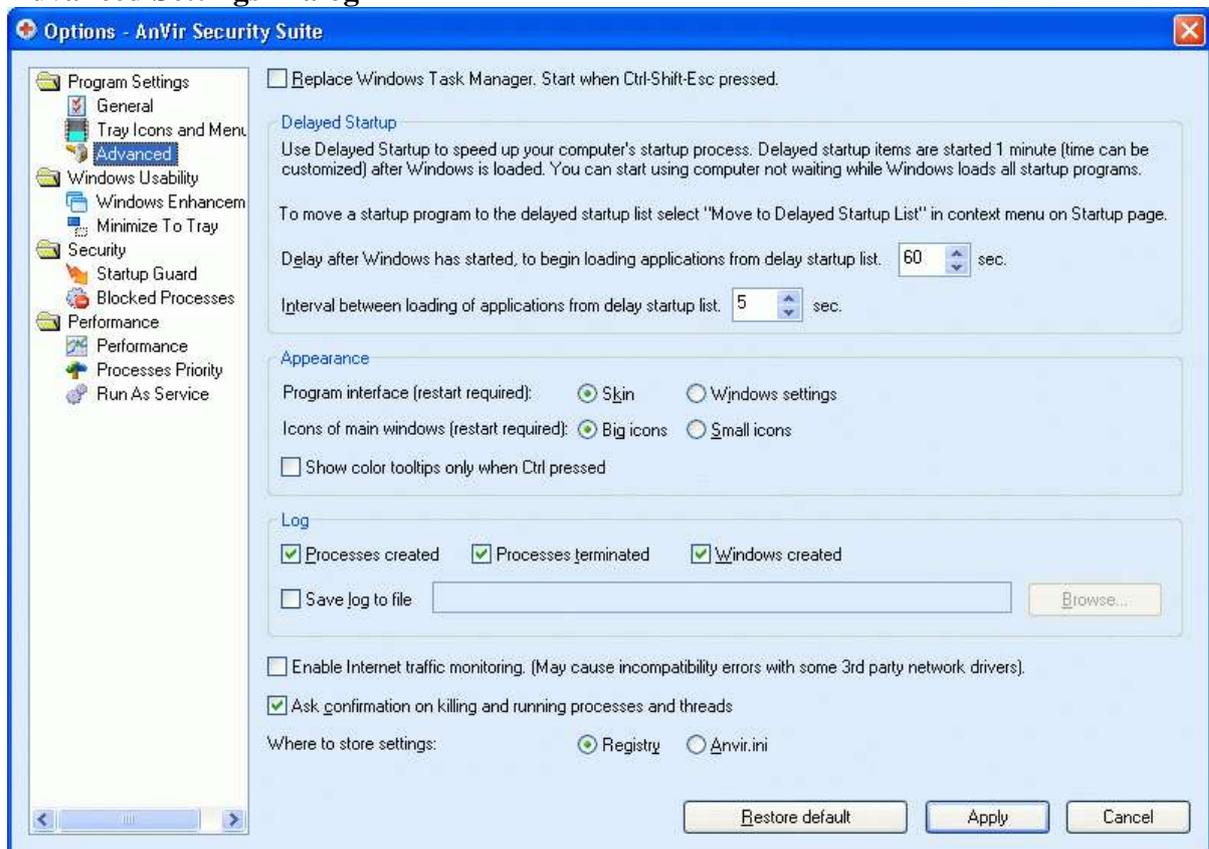
## Tray Menu

**Number of programs and folders in tray menu** - Tray menu keeps the list of recently launched programs, and folders recently opened in Explorer.

**Tray menu columns** - Appearance of tray menu with list of programs and folders.

Advanced

## Advanced Settings Dialog



**Replace Windows Task Manager** - Start program when Ctrl-Shift-Esc pressed.

## Delayed Startup

Use Delayed Startup to speed up your computer's startup process. Delayed startup items are started 1 minute (time can be customized) after Windows is loaded. You can start using computer not waiting while Windows loads all startup programs. To move a startup program to the delayed startup list select "Move to Delayed Startup List" in context menu on Startup page.

## **Settings:**

- Delay after Windows has started, to begin loading applications from delay startup list.
- Interval between loading of applications from delay startup list.

## **Appearance**

**Program interface** (restart required): skin or Windows system settings

**Icons of main windows** (restart required): big 32px icons or small 16px icons

**Show color tooltips only when Ctrl pressed**

## **Log**

Events that are placed to the log:

- Processes created
- Processes terminated
- Windows created

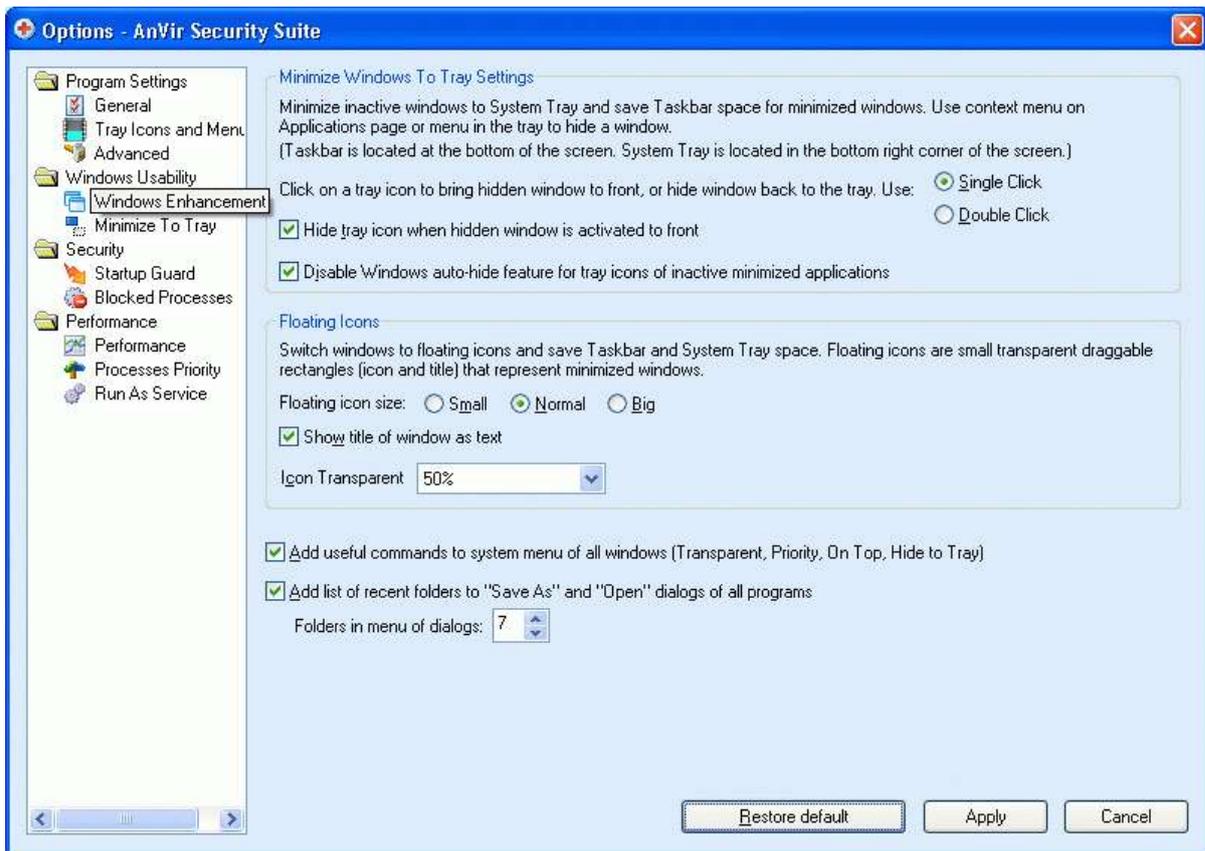
**Save log to file** – path to the log file

**Enable Internet traffic monitoring.** May cause incompatibility errors with some 3rd party network drivers. Requires admin rights.

**Ask confirmation on killing and running processes and threads**

**Where to store settings:** registry or anvir.ini (portable)

Windows Enhancement



## Minimize Windows To Tray

Minimize inactive windows to System Tray and save Taskbar space for minimized windows. Use context menu on Applications page or menu in the tray to hide a window. Taskbar is located at the bottom of the screen. System Tray is located in the bottom right corner of the screen.

**Click on a tray icon to bring hidden window to front, or hide window back to the tray.** Use single click or double click

**Hide tray icon when hidden window is activated to front** – hide tray icon, or keep it always in tray

**Disable Windows auto-hide feature for tray icons of inactive minimized applications** – don't let Windows to hide inactive icons

## Floating Icons

Switch windows to floating icons and save Taskbar and System Tray space. Floating icons are small transparent draggable rectangles (icon and title) that represent minimized windows.

**Floating icon size** - Size of the icon on a floating window

**Show title of window as text** - Show text or just icon

**Icon Transparency** - Initial transparency level of a floating icon

## Windows Enhancements

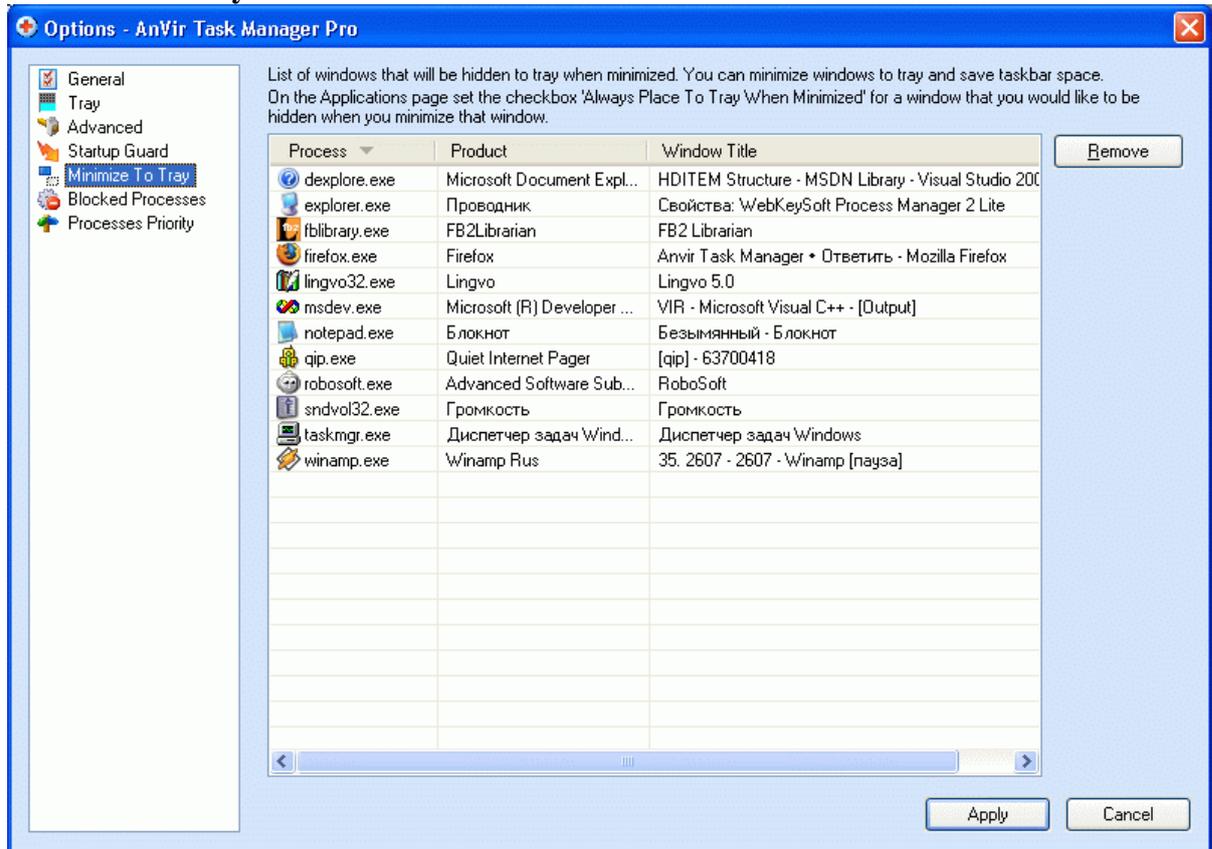
**Add useful commands to system menu of all windows (Transparent, Priority, On Top, Hide to Tray) - [Adds useful commands to the title menu of window of all applications](#)**

**Add list of recent folders to "Save As" and "Open" dialogs of all programs - [access a list of recently used folder and favorites folders from the Save and Open dialogs](#)**

**Folders in menu of dialogs - Number of folders in menu of "Save" and "Open" dialogs**

Minimize to Tray

**Minimize to Tray**



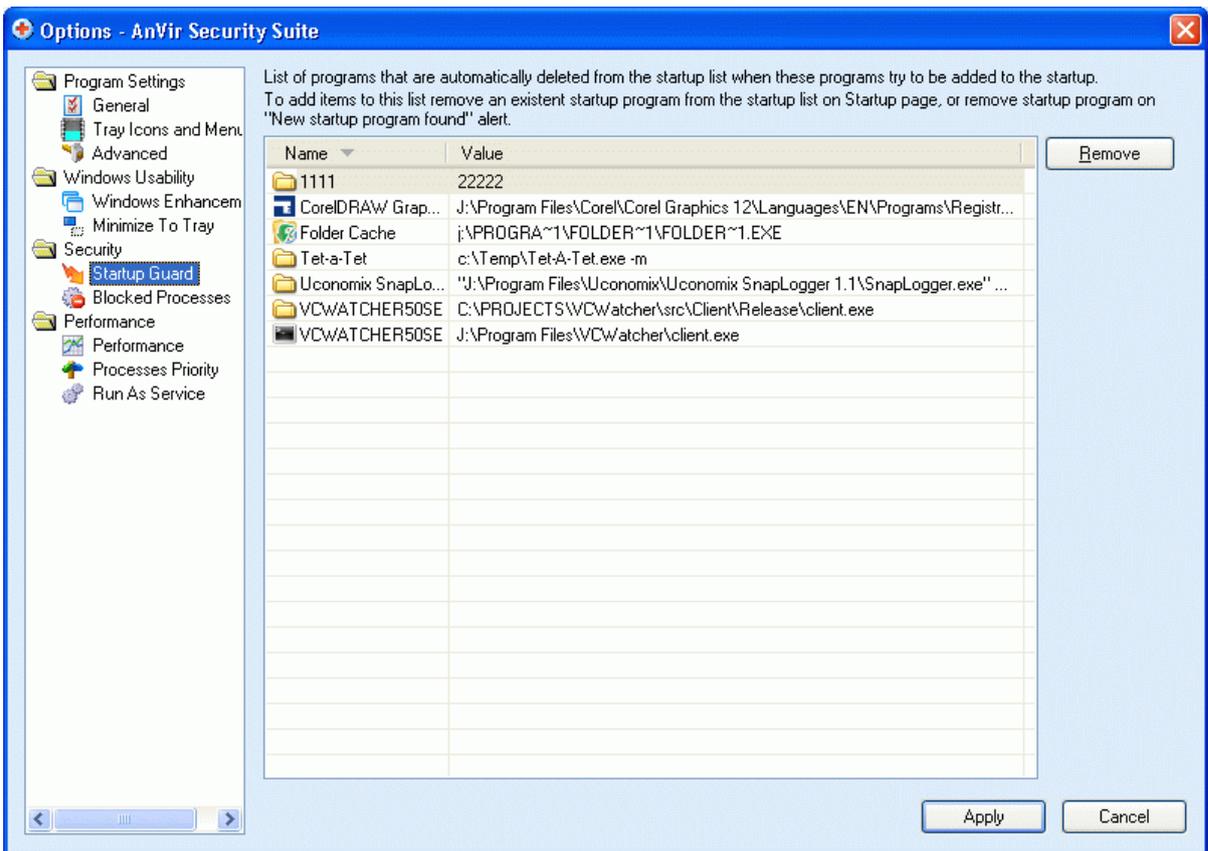
Minimize to Tray settings dialog shows list of windows that will be hidden to tray when minimized. You can minimize windows to tray and save taskbar space.

On the Applications page set the checkbox 'Always Place To Tray When Minimized' for a window that you would like to be hidden when you minimize that window.

To remove an item from the list, select an item and click Remove.

Startup Guard

**Startup Guard**



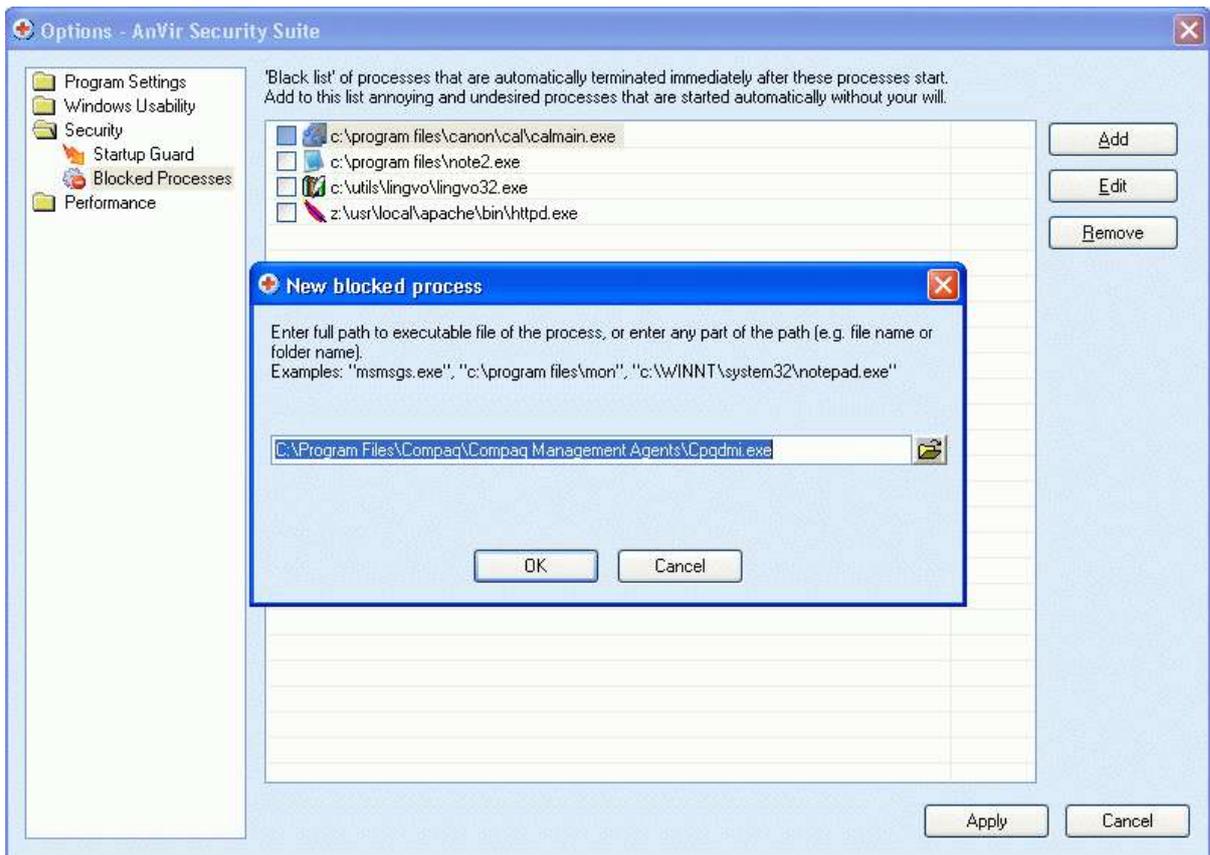
Startup Guard settings dialog shows list of programs that are automatically deleted from the startup list when these programs try to be added to the startup.

To add items to this list remove an existent startup program from the startup list on Startup page, or remove startup program on "New startup program found" alert.

To remove an item from the list, select an item and click Remove.

Blocked Processes

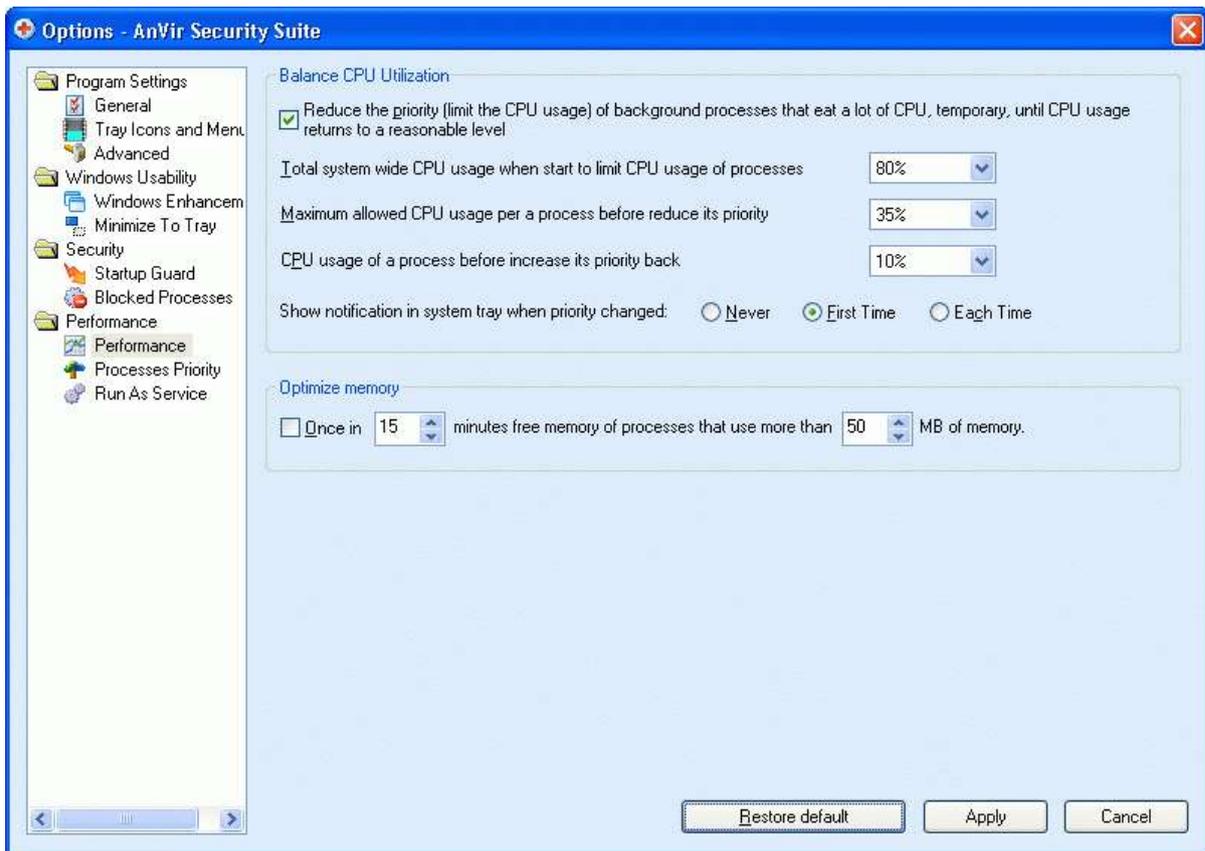
**Blocked processes**



Blocked Processes settings dialog shows 'black list' of processes that are automatically terminated immediately after these processes start. Add to this list annoying and undesired processes that are started automatically without your will.

To remove an item from the list, select an item and click Remove.

Performance



### **Balance CPU Utilization**

**Reduce the priority (limit the CPU usage) of background processes that eat a lot of CPU, temporary, until CPU usage returns to a reasonable level** - Turn this feature On or Off

**Total system wide CPU usage when start to limit CPU usage of processes** - When CPU usage becomes greater than specified value, AnVir Task Manager reduces the priority of all processes that run in foreground and use a lot of CPU.

**Maximum allowed CPU usage per a process before reduce its priority** - If a process uses less CPU than specified value, its priority will not be reduced.

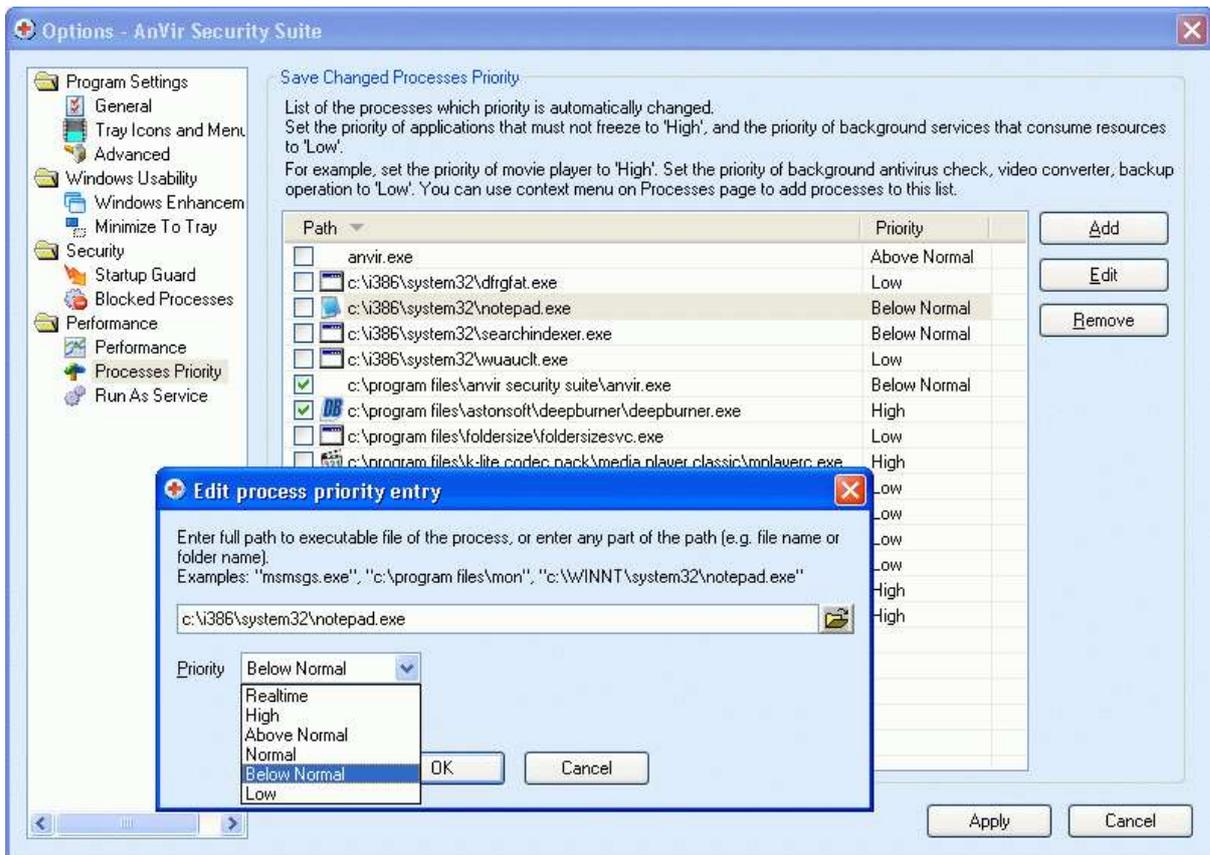
**CPU usage of a process before increase its priority back** - When process with reduced priority finished its activity and it uses less CPU than specified value, its priority will be increased back.

**Show notification in system tray when priority changed: never, first time only, or each time** - When show notification about changing of processes priority.

### **Optimize memory**

**Free memory of processes that use more than \_\_ MB of memory** - AnVir Task Manager once in 15 minutes swaps half of all memory of processes that use more than 50Mb to disk. It may be useful for example when you use Firefox.

Processes Priority

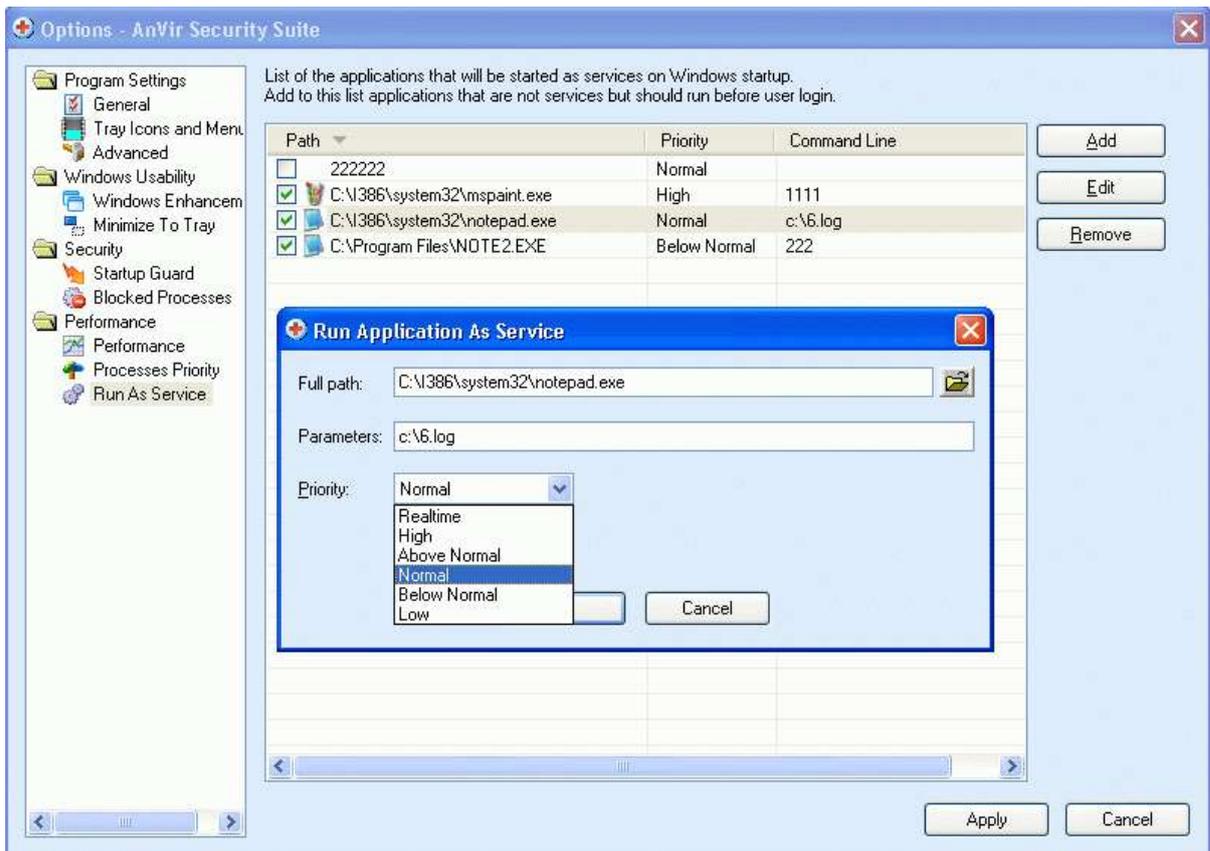


### Save Changed Processes Priority

List of the processes which priority is automatically changed. Set the priority of applications that must not freeze to 'High', and the priority of background services that consume resources to 'Low'. For example, set the priority of movie player to 'High'. Set the priority of background antivirus check, video converter, backup operation to 'Low'. You can use context menu on Processes page to add processes to this list.

To remove an item from the list, select an item and click Remove.

Run programs as services



Some programs start right after Windows load even before user login. Such programs are called Windows services. But sometimes you need to run in such way some of your programs, i.e. download manager, or monitoring software that were not designed to run as a service.

With AnVir Task Manager Pro you can run some of your programs as services.

There are two way to setup a process:

1. Open settings dialog and switch to page **Run As Service**.
2. On the page Processes right click on a process and select **Run As Service**.

On the appeared dialog **Run Application As Service** fill following fields:

- Full path - Full path to application executable
- Parameters - Command line arguments (if you need)
- Priority – Priority of the created process

Press OK.

On the Services window you can see service that perform running programs as services:

Name: "AnVir. Run Programs As Services"

Service Id: AnvirRun

Path: "C:\Program Files\AnVir Task Manager\AnvirRunServ.exe"

This service runs on Windows load and start all applications that were added to **Run Application As Service** list. After this job is complete, the service terminates. This service must run Auto on Start.

## Tips and Tricks

- AnVir Security Suite includes integrated database with info on 70 000+ startup programs, services and Internet Explorer extensions.
- AnVir Security Suite performs security analysis of processes, startup programs and Windows services and displays overall security risk rating.
- You can check file of process, service or startup program with 30 antivirus engines on VirusTotal.com. Click '**Check with Antiviruses on Virustotal**'.
- You can speed up your computer's startup process. Click '**Move to Delayed Startup List**' in the **Startup** list and use Delayed Startup.
- AnVir Security Suite shows alert when any program adds itself to the startup.
- You can change the order of columns. Drag'n'drop columns to the desired position.
- Tray menu gives you quick access to the last launched programs and last opened folders.
- You can learn more about process, service, startup program, driver or dll. In the context menu click '**Search in Web**'.
- You can replace Windows Task Manager with AnVir Security Suite . Use '**Options/Advanced**'.
- You can learn more about meaning of a column. Move a mouse pointer to the header of a column and wait for a tooltip.
- You can show additional columns. Right-click on the header of a column and use context menu.
- You can get quick access to your favorite folders and files. In the tray menu click '**Add File To This List**' or '**Add Folder To This List**'.
- AnVir Security Suite reduces the priority (limits the CPU usage) of background processes that eat a lot of CPU, temporary, until CPU usage returns to a reasonable level.
- You can minimize inactive windows to system tray and save Taskbar space for minimized windows. Use context menu in **Applications** list or menu in system tray.
- You can save data of any list to HTML or text. Click on '**Save Report to Html File**'.
- You can get quick info on system resources usage. Move a mouse pointer to icons in system tray and wait for a tooltip. Click on the icon to switch tooltip to the floating mode.
- You can set any window 'always on top' or change window transparency. Use context menu in **Applications** list.
- You can temporary suspend any process which is not required at the moment. Click on '**Suspend process**' in the **Processes** list.
- You can set up hotkey to bring program to the foreground. Use '**Options/General**' dialog.
- You can save changed priority for processes. Click on '**Set Priority -> Auto Change Priority**' in the **Processes** list.
- You can get a list of DLLs, windows and connections for several processes. Hold **Ctrl** and select required processes in the **Processes** list.
- AnVir Security Suite can run as portable application. See instructions in **portable.txt** in the program folder.
- You can terminate any process. Select the process in the **Processes** list and press '**Del**'.
- To active 'Detailed Information' panel double-click on any item in the **Startup**, **Processes**, or **Services** list.
- You can run AnVir Security Suite in hidden mode. Use '**Options**' dialog.
- To sort data in any main list, press **Ctrl-F1...Ctrl-F12**.
- AnVir Security Suite can save data about processes activity to a log file. Use '**Options/Advanced**' dialog.
- You can block any undesired process, that is been started without your will. Right click on the process in the **Process** list and click '**Block Process**' on the context menu.

Blocked processes are terminated automatically.

- You can dock 'Detailed Information' panel with mouse to left or right side of the window.
- If you have not enough rights to kill a process, you can click on '**Suspend Process**' in the **Processes** list. Suspended process continues running but performs no actions.
- AnVir Security Suite continuously monitors computer memory and automatically detects and removes viruses.
- AnVir Security Suite removes all top viruses: Klez, Nimda, Lentin (Yaha), Tanatos (BugBear), Elkern, Badtrans, PSW.Hooker, Hybris, etc.
- AnVir Security Suite terminates viruses, and cures the infected computer removing all virus stuff.
- You can find recently started processes. In the Processes list click on '**Work Time**' column header.
- You can set up colors of data presentation. Use main menu '**View**'.