Details about Discovered False Alarms

Appendix to the Anti-Virus Comparative August 2011

Language: English
August 2011
Last Revision: 27th September 2011

www.av-comparatives.org

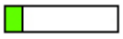
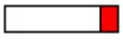
Details about the discovered false alarms

With AV testing it is important to measure not only detection capabilities but also reliability - one of reliability aspects is certainly product's tendency to flag clean files as infected. No product is immune from false positives (FP's) but there are differences among them and the goal is to measure them. Nobody has all legitimate files that exist and so no "ultimate" test of FP's can be done. What can be done and is reasonable, is to create and use a set of clean files which is independent. If on such set one product has e.g. 50 FP's and another only 10, it is likely that the first product is more prone to FP's than the other. It doesn't mean the product with 10 FP's doesn't have more than 10 FP's globally, but important is the relative number.

All listed false alarms were reported and sent to the Anti-Virus vendors for verification and should now be already fixed. False alarms caused by unencrypted data blocks in Anti-Virus related files were not counted. If a product had several false alarms belonging to the same software, it is counted here as only one false alarm. Cracks, keygens, etc. or other highly questionable tools, including FP's distributed primary by vendors (which may be in the several thousands) or other non independent sources are not counted here as False Positives. An experiment evaluating the FP occurrence on clean files distributed by vendors as malware inside malware collections will be done in future.

In order to give more information to the users about the false alarms, we try to rate the prevalence of the false alarms. Files with valid digital signatures are considered more important. Due to that, a file with e.g. prevalence "level 1" and a valid digital signature gets upgraded to next level (e.g. prevalence "level 2").

The prevalence is given in 5 categories and labeled with the following colors:

Level		Presumed number of affected users[1]	Comments
1		Probably fewer than hundred users	Individual cases, old or rarely used files, unknown prevalence
2		Probably several hundreds of users	Initial distribution of such files was probably higher, but current usage on actual systems is lower (despite its presence), that's why also well-known software may now affect / have only a prevalence of some hundreds or thousands of users.
3		Probably several thousands of users	
4		Probably several tens of thousands (or more) of users	
5		Probably several hundred of thousands (or more) of users	Such cases are likely to be seen very less frequently in a false alarm test done at a specific time, as such files are usually either whitelisted or would be noticied and fixed very fast. We do not even give an own category for cases which affect several millions of users.

Most false alarms will probably most of the times fall into the first two levels. In our opinion Anti-Virus products should not have false alarms on any sort of clean files despite how many users are affected by them. While some AV vendors may play down the risk of false alarms and play up the risk of malware, we are not going to rate products based on what the supposed prevalence of false alarms is. We already allow a certain amount (15) of false alarms inside our clean set before we start penalizing scores and in our opinion products which produce a higher amount of false alarms are also more likely to produce false alarms on more prevalent files (or in other sets of clean files). The prevalence data we give about clean files is just for informational purpose. The listed prevalence can differ inside the report depending on which file / version the false alarm occurred.

[1] If all users would have used the Anti-Virus product causing the false alarm at that time.

Some products using third-party engines/signatures may have fewer or more false alarms than the licensed engine has by its own, e.g. due different internal settings implemented, the additional checks/engines/clouds/signatures, whitelist databases, time delay between the release of the original signatures and the availability of the signatures for third-party products, additional QA of signatures before release, etc.

False Positives (FPs) are an important measurement for AV quality. One FP report from a customer can result in large amount of engineering and support work to resolve the issue. Sometimes this can even lead to important data loss or system unavailability. Even "not significant" FPs (or FP's on old applications) deserve mention and attention because FPs are likely to be a result of principled rule detections. It just happened that the FP was on an insignificant file. The FP possibility is probably still in the product and could FP again on a more significant file. Thus, they still deserve mention and still deserve penalty.

Below you will find the false alarms we observed in our independent set of clean files. Red entries highlight false alarms on files with valid digital signatures.

McAfee

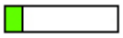
McAfee had zero false alarms over our set of clean files.

Kaspersky

False alarm found in some parts of	Detected as	Supposed prevalence
ZipInstaller package	Trojan-Downloader.Win32.Delf.aanf	

Kaspersky had 1 false alarm.

Microsoft

False alarm found in some parts of	Detected as	Supposed prevalence
Fiman package	Trojan:Win32/KillMF	

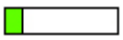
Security Essentials had 1 false alarm.

Panda

False alarm found in some parts of	Detected as	Supposed prevalence
No23recorder package	Malicious Packer	

Panda had 1 false alarm.

ESET

False alarm found in some parts of	Detected as	Supposed prevalence
Appbooster package	Win32/Packed.Themida	
DiaShowPro package	Win32/Packed.GHFProtector.A	
SecureEraser package	NewHeur_PE	

ESET NOD32 had 3 false alarms.

F-Secure

False alarm found in some parts of	Detected as	Supposed prevalence
Azarus package	Trojan.Generic.6304836	
Buchdruck package	Gen:Variant.Zbot.29	
Intrapact package	Gen:Trojan.Heur.VP2.fm0@a4KofFgi	
Skriptum package	Exploit.CVE-2011-0977.Gen	
WinnerTw package	Gen:Variant.Kazy.18603	
WoodMahjongg package	Gen:Variant.Kazy.14979	

F-Secure with default settings had 6 false alarms.

Trend Micro

False alarm found in some parts of	Detected as	Supposed prevalence
AudioConversion package	Mal_Xed-22	
Clara package	TROJ_BUZUS.AVB	
Completi package	TROJ_GEN.R26C3HE	
Desert package	TROJ_GEN.F35CZFG	
MOD package	TROJ_DROPPR.SMP	
OEconfig package	TROJ_GEN.R01C4LA	

Trend Micro had 6 false alarms.

BitDefender

False alarm found in some parts of	Detected as	Supposed prevalence
Azarus package	Trojan.Generic.6304836	
Buchdruck package	Gen:Variant.Zbot.29	
Intrapact package	Gen:Trojan.Heur.VP2.fm0@a4KofFgi	
Shellex package	Gen:Variant.Kazy.17493	
Skriptum package	Exploit.CVE-2011-0977.Gen	
Virtualization package	Gen:Trojan.Heur.KT.4.bq8@aqlITyf	
WinnerTw package	Gen:Variant.Kazy.18603	
WoodMahjongg package	Gen:Variant.Kazy.14979	

Bitdefender had 8 false alarms.

Avast

False alarm found in some parts of	Detected as	Supposed prevalence
AbsoluteBlue package	Win32:Malware-gen	
DateCalc package	Win32:Trojan-gen	
DB2EXE package	Win32:Malware-gen	
Fiman package	Win32:Malware-gen	
FTPcontrol package	Win32:Malware-gen	
Joshua package	Win32:Malware-gen	
Sardu package	Win32:Dropper-FRU	
Schannel package	Win32:Fasec	
ShellPicture package	Win32:Malware-gen	
xComposer package	Win32:SMorph	

Avast had 10 false alarms.

AVIRA

False alarm found in some parts of	Detected as	Supposed prevalence
ATARIGames package	TR/Dropper.Gen	
DateCalc package	TR/Agent.1372160.BG	
DB2EXE package	TR/Kazy.14156.1	
DeltaForce package	BDS/DsBot.dgd.1	
Deluserlex package	TR/Spy.36864.20	
OEconfig package	BDS/Hupigon.ljqv	
OpenOffice package	TR/Dropper.Gen	
PosterForge package	TR/Agent.cada.22945	
SilentMicro package	TR/Fontra.A.31	
Updater package	TR/Drop.Autoit.FU	
Worms package	TR/Dropper.Gen	

AVIRA had 11 false alarms.

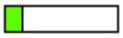
G DATA

False alarm found in some parts of	Detected as	Supposed prevalence
AbsoluteBlue package	Win32:Malware-gen	
Azarus package	Trojan.Generic.6304836	
Buchdruck package	Gen:Variant.Zbot.29	
DateCalc package	Win32:Trojan-gen	
DB2EXE package	Win32:Malware-gen	
Fiman package	Win32:Malware-gen	
FTPcontrol package	Win32:Malware-gen	
Intrapact package	Gen:Trojan.Heur.VP2.fm0@a4KofFgi	
Joshua package	Win32:Malware-gen	
ShellPicture package	Win32:Malware-gen	
VirtualizationAgent package	Gen:Trojan.Heur.KT.4.bq8@aqlITyf	
WinnerTw package	Gen:Variant.Kazy.18603	
WoodMahjongg package	Gen:Variant.Kazy.14979	
xComposer package	Win32:SMorph	

G DATA had 14 false alarms.

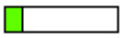
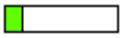
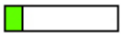
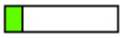
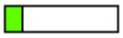
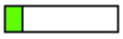
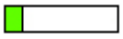
Sophos

False alarm found in some parts of	Detected as	Supposed prevalence
Anchor package	Mal/Generic-L	
AVI4CC package	Mal/BredoZp-B	
Btrix package	Mal/Generic-L	
Datecalc package	Mal/Generic-L	
Deluserlex package	Mal/Generic-L	
Ewido package	Mal/Generic-L	
Lantern package	Mal/Generic-L	
OEconfig package	Mal/Generic-L	
OOO package	Mal/BredoZp-B	
OpenOffice package	Mal/EncPk-AAK	
PEexplorer package	Mal/FakeAV-JU	
Profe package	Mal/Generic-L	
Starter package	Troj/Agent-SCQ	
Unhackme package	Mal/Generic-L	

Updater package	Mal/Generic-L	
Zipnall package	Mal/BHO-BF	

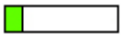
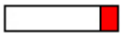
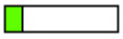
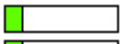
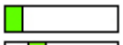
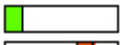
Sophos had at least 16 false alarms with default settings. Due to issues with the cloud technology of Sophos and Webroot, it is unknown if there would have been more FPs if the cloud connection would have been worked properly. Their results are listed out of competition.

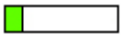
Webroot

False alarm found in some parts of	Detected as	Supposed prevalence
Anchor package	Mal/Generic-L	
Btrix package	Mal/Generic-L	
DateCalc package	Mal/Generic-L	
Deluserlex package	Mal/Generic-L	
Ewido package	Mal/Generic-L	
Lantern package	Mal/Generic-L	
Maulwurfsmover package	Mal/Packer	
OEconfig package	Mal/Generic-L	
OOO package	Mal/BredoZp-B	
OpenOffice package	Mal/EncPk-AAK	
PEexplorer package	Mal/FakeAV-JU	
Profe package	Mal/Generic-L	
Starter package	Troj/Agent-SCQ	
Unhackme package	Mal/Generic-L	
Updater package	Mal/Generic-L	
Zipnall package	Mal/BHO-BF	

Webroot had at least 16 false alarms. Due to issues with the cloud technology of Sophos and Webroot, it is unknown if there would have been more FPs if the cloud connection would have been worked properly. Their results are listed out of competition.

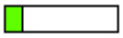
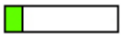
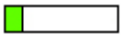
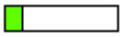
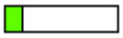
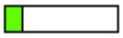
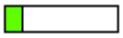
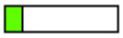
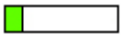
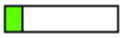
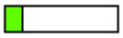
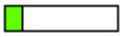
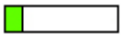
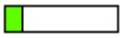
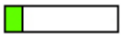
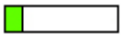
K7

False alarm found in some parts of	Detected as	Supposed prevalence
Adobe package	Trojan	
AntiTrojan package	Trojan	
BSPlayer package	Trojan	
D2 package	Virus	
Decrap package	Trojan	
DrWeb package	Trojan-Downloader	
FastStone package	Trojan	
HP package	Trojan	
HPSum package	Trojan	
JStart package	Trojan	
Kaspersky package	Trojan	
Koma package	Trojan-Downloader	
KundenManager package	Trojan	
Madcap package	Trojan	
PaperOffice package	Trojan	
PeIMG package	Trojan	
Schia package	Dialer	
Tetrix package	Virus	
Uninstall package	Trojan	

Vdrive package	Trojan	
Weblater package	Trojan	
WinAce package	Trojan	
Zattoo package	Trojan	

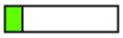
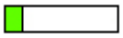
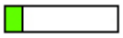
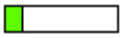
K7 had 23 false alarms.

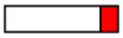
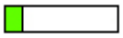
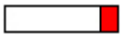
Qihoo

False alarm found in some parts of	Detected as	Supposed prevalence
Aston package	Malware.QVM40.Gen	
Azarus package	Trojan.Generic.6304836	
AZFinder package	Malware.QVM20.Gen	
Buchdruck package	Gen:Variant.Zbot.29	
BWM package	Malware.QVM05.Gen	
CDArt package	Malware.QVM03.Gen	
DB2EXE package	Malware.QVM03.Gen	
DVBViewer package	Malware.QVM11.Gen	
iPing package	Malware.QVM18.Gen	
Joshua package	Malware.QVM18.Gen	
Maulwurfsmover package	Trojan.Swizzor.18058	
OEconfig package	Backdoor.Hupigon.254116	
PEiD package	Malware.QVM19.Gen	
RemindMe package	Malware.QVM11.Gen	
ShellExt package	Gen:Variant.Kazy.17493	
Skriptum package	Exploid.CVE-2011-0977.Gen	
SSM package	Malware.QVM25.Gen	
Starter package	Backdoor.Generic.539920	
SwissScout package	Malware.QVM07.Gen	
TempControl package	Malware.QVM34.Gen	
Warner package	Malware.QVM11.Gen	
WinnerTw package	Malware.QVM13.Gen	
WinWD package	Trojan.Spy.Wsnpoim.DU	
WoodMahjongg package	Gen:Variant.Kazy.14979	
zWetter package	Malware.QVM19.Gen	

Qihoo had 25 false alarms.

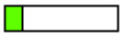
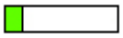
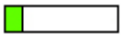
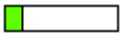
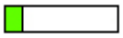
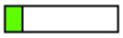
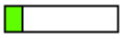
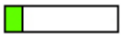
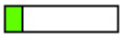
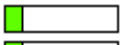
eScan

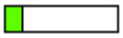
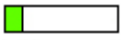
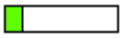
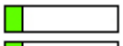
False alarm found in some parts of	Detected as	Supposed prevalence
Azarus package	Trojan.Generic.6304836	
Btrix package	TR/Spy.6284096	
Buchdruck package	Gen:Variant.Zbot.29	
CDWriter package	n0b16:Malware-gd	
Clara package	HeurEngine ZeroDayThreat.eE	
Desert package	TROJ_GEN.F35CZFG	
DoPDF package	Malware.Threat.Yd	
Filzip package	Malware.Threat.Gen	
GetIt package	Malware.Threa4.Yd	
Intrapact package	Gen:Trojan.Heur.VP2.fm0@a4KofFgi	
iRadio package	Infostealer.Gampass	
KillBox package	Malware.Threat.Gen	
LNK package	Worm LNKFile	

MKV package	Suspicious:W32/Malware!Gemini	
OEconfig package	Butodoor n0b16.Hupigon.nyzc	
OpenWith package	Heur.Malware.CA	
PersonalFolder package	Malware.Threat.Gen	
Profe package	Butodoor Bot.112177	
RSSReader package	DR/PSW.now.bjm	
SecureEraser package	NewHeur_PE	
Skriptum package	Exploit.CVE-2011-0977.Gen	
TempControl package	TR/Obfuscated.C.89	
USBfix package	Heur.Malware.CA	
WinCon package	Suspicious:W32/Malware!Gemini	
WinDrive package	Trojan-Dropper	
WinRAR package	Heur.Malware.CA	
WoodMahjongg package	Gen:Variant.Kazy.14979	
Xelerator package	FlooL	
Xvid package	Heur.Malware.CA	

eScan had 29 false alarms.

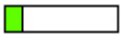
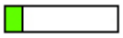
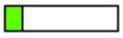
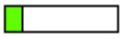
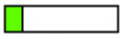
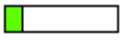
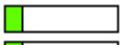
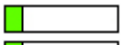
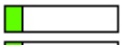
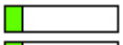
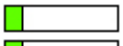
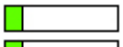
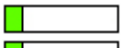
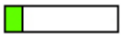
PC Tools

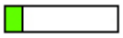
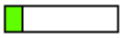
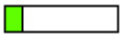
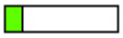
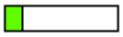
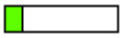
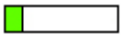
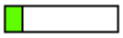
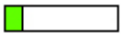
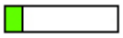
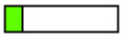
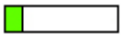
False alarm found in some parts of	Detected as	Supposed prevalence
AntiTrojan package	HeurEngine.MaliciousPacker	
Azarus package	HeurEngine-Vuntid	
BDFLManager package	Trojan.VB.BFP	
Blacklist package	Trojan.PurityScan	
CDBurner package	Trojan.generic.A!ct	
ClamWin package	Trojan.ADH	
Clara package	HeurEngine-ZeroDayThreat	
Datecalc package	Trojan.Generic	
DB2EXE package	Trojan.ADH	
EastTecBackup package	HeurEngine-ZeroDayThreat	
Eulalyzer package	Backdoor.Rbot!ct	
Exam package	Trojan.Qhosts	
FastDefrag package	HeurEngine-ZeroDayThreat	
FolderDrive package	HeurEngine.MaliciousPacker	
FreeMusic package	Trojan.generic.A!ct	
IDA package	HeurEngine-ZeroDayThreat	
InternetProtector package	HeurEngine-ZeroDayThreat	
IrfanView package	Trojan-Downloader.CodecPack	
Maulwurfsmover package	HeurEngine.MaliciousPacker	
Oblivion package	Trojan.ADH	
OEconfig package	Trojan.ADH	
OfficeBackup package	HeurEngine-ZeroDayThreat	
Outpost package	Trojan.generic.A!ct	
PEiD package	HeurEngine-ZeroDayThreat	
PingPlotter package	Trojan-Spy.Banker!ct	
Piratenleben package	HeurEngine-Vuntid	
PlotPlot package	Backdoor-Agent	
PowerStrip package	HeurEngine-ZeroDayThreat	
Profe package	Trojan.ADH	
Recovery package	HeurEngine.MaliciousPacker	
RegProt package	HeurEngine.MaliciousPacker	

Sicherheit package	Trojan.generic.A!ct	
Slicensave package	HeurEngine.MaliciousPacker	
SpamAware package	Trojan.Downloader!ct	
SpamBully package	Trojan-Spy.Del!ct	
SSC package	Backdoor.Hupigon.GEN	
Starter package	Trojan.Generic	
Stinger package	Worm.Sting	
SuchQuiz package	HeurEngine.MaliciousPacker	
SysSecure package	HeurEngine-ZeroDayThreat	
TempControl package	Trojan.Gen	
UniversalTranslator package	HeurEngine.MaliciousPacker	
Updater package	Trojan.Generic	
Warner package	HeurEngine.MaliciousPacker	
WinRAR package	Backdoor.Radmin	

PC Tools had 45 false alarms.

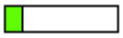
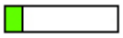
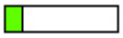
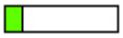
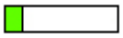
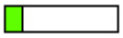
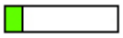
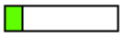
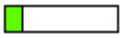
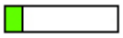
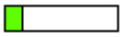
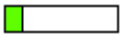
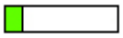
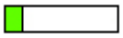
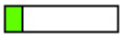
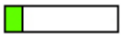
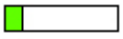
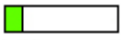
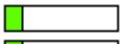
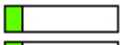
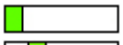
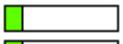
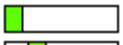
AVG

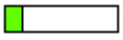
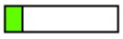
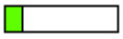
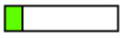
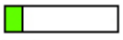
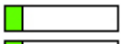
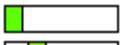
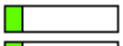
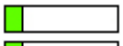
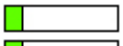
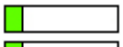
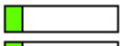
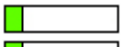
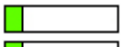
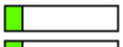
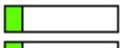
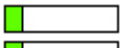
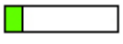
False alarm found in some parts of	Detected as	Supposed prevalence
AdMuncher package	Win32/Heur	
Anstoss package	Win32/Heur.dropper	
AVIRA package	Generic21.BKUV	
AZFInder package	Win32/Heur	
Basic4PPC package	Win32/Heur	
BestMovie package	Agent3.JGV	
BootStrap package	Injector.CG	
CarChecker package	Win32/Heur	
CDArt package	Win32/Heur	
CPUcool package	Dropper.Generic3.CHXU	
DB2EXE package	Agent3.PNH	
DeltaForce package	Generic22.VRN	
DiaShowPro package	Win32/Heur	
DocumentRescue package	Win32/Heur	
DZip package	Win32/Heur	
eMerge package	Win32/Heur	
FastDefrag package	Win32/Heur	
FDOS package	FakeAlert	
Fiman package	Generic18.YDT	
FreshDow package	SHeur3.CMHF	
Glint package	Win32/Heur.dropper	
GreenBrowser package	IRC/BackDoor.SdBot4.SMG	
Hexalot package	Win32/Heur	
HiddenFinder package	PSW.Generic8.CICW	
IceHockey package	Win32/Heur	
Kastanie package	Agent3.JRO	
NetworkChat package	Agent3.JGV	
OEconfig package	BackDoor.Hupigon5.AZTZ	
Plesk package	Win32/Heri	
RadTools package	BackDoor.Generic13.AVMC	
Rage3D package	Win32/Heri	
RailRoad package	Win32/Heur	
RiotBall package	Win32/Heur	

RSSReader package	PSW.Generic8.BYVR	
SafeXP package	Win32/Heur	
SecureDNA package	Win32/Heur	
ShellPicture package	PSW.OnlineGames3.AVRA	
SkiRacing package	Win32/Heur	
Skype package	Win32/Heur	
SkySaver package	Agent3.JGV	
SoulKeeper package	Win32/Heur	
SWAT package	Win32/Heur	
Talisman package	BAT/Generic	
TorChat package	Win32/Heur.dropper	
UnBrowster package	Generic21.ARCU	
Virweed package	PSW.Generic8.BFLL	
WhatSpeed package	Win32/Heur	
WinTK package	Script/Exploit.dropper	
WinWD package	PSW.Generic8.EOI	
XPoptimizer package	Script/Exploit	
zDataburn package	Generic15.CCQU	

AVG had 51 false alarms.

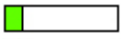
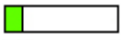
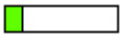
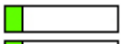
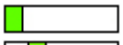
Symantec

False alarm found in some parts of	Detected as	Supposed prevalence
Anchor package	Suspicious.Cloud.2	
AntiTrojan package	Suspicious.MH690.A	
ApplicationAccess package	Suspicious.Cloud.2	
Aston package	Suspicious.Cloud.2	
Atmaxtra package	Suspicious.Cloud.7.L	
AVIRA package	Suspicious.Cloud.7.F	
Azarus package	Packed.Vuntid!gen1	
BackTec package	Suspicious.Cloud.2	
BayWotch package	Suspicious.Cloud.2	
Blinkx package	Trojan.Gen.2	
BMark package	Suspicious.Cloud.2	
BugBuster package	Suspicious.Cloud.7.L	
BWM package	Suspicious.Cloud.2	
CFOS package	Suspicious.Cloud.2	
CPUcool package	Suspicious.Cloud.2	
DarkCore package	Suspicious.Cloud.5.A	
DVBViewer package	Suspicious.Cloud.7.L	
DVDinfo package	Suspicious.Cloud.2	
EastTecBackup package	Suspicious.Cloud.2	
EFSystemMonitor package	Suspicious.Cloud.7.F	
FASM package	Suspicious.Cloud.7.L	
FastDefrag package	Suspicious.Cloud.2	
FileShredder package	Suspicious.Cloud.2	
FileSplitter package	Suspicious.Cloud.2	
Gateways package	Suspicious.Cloud.7.F	
Gauge package	Suspicious.Cloud.7.L	
GliBlock package	Suspicious.Cloud.2	
Groowe package	Suspicious.Cloud.7.F	
IDA package	Suspicious.Cloud.2	

IdentiyProtection package	Suspicious.Cloud.2	
ImagePrint package	Suspicious.Cloud.7.F	
InternetProtector package	Suspicious.Cloud.5.A	
IPCheck package	Suspicious.Cloud.7.F	
iPing package	Suspicious.Cloud.5.A	
Jedi package	Suspicious.Cloud.2	
Maulwurfsmover package	Suspicious.MH690.A	
Miranda package	Suspicious.Cloud.2	
MSI package	Suspicious.Cloud.7.L	
OfficeBackup package	Suspicious.Cloud.5.A	
PathBuddy package	Suspicious.Cloud.2	
PEiD package	Suspicious.Cloud.2	
RegCool package	Suspicious.Cloud.2	
RegistryProtection package	Suspicious.MH690.A	
RemindMe package	Suspicious.Cloud.7.F	
SpyBlocker package	Suspicious.Cloud.2	
SSM package	Suspicious.Cloud.7.F	
SwissScout package	Suspicious.Cloud.2	
SysBackup package	Suspicious.Cloud.5.A	
uTorrent package	Suspicious.Cloud.7.L	
Warner package	Suspicious.Cloud.7.L	
WindowsInABox package	Suspicious.Cloud.2	
WinGuru package	Suspicious.Cloud.2	
WinnerTw package	Suspicious.Cloud.2	
XPE package	Suspicious.Cloud.2	
Zuma package	Suspicious.Cloud.5.A	
zWecker package	Suspicious.Cloud.7.L	
zWetter package	Suspicious.Cloud.7.F	

Symantec Norton Anti-Virus had 57 false alarms.

TrustPort

False alarm found in some parts of	Detected as	Supposed prevalence
AdMuncher package	Win32/Heur	
Anstoss package	Win32/Heur	
AVIRA package	Generic21.BKUV	
Azarus package	Trojan.Generic.6304836	
AZFinder package	Win32/Heur	
Basic4PPC package	Win32/Heur	
BestMovie package	Agent3.JGV	
BootStrap package	Injector.CG	
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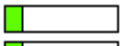
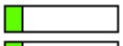
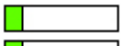
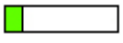
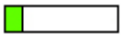
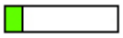
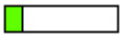
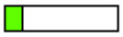
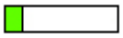
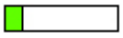
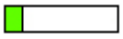
CarChecker package	Win32/Heur	
CDArt package	Win32/Heur	
Completi package	Agent2.CIMG	
CPUcool package	Dropper.Generic3.CHXU	
DB2EXE package	Agent3.PNH	
DeltaForce package	Generic22.VRN	
DiaShowPro package	Win32/Heur	
DocumentsRescue package	Win32/Heur	
DragonBall package	Win32/Heur	

DZip package	Win32/Heur	
eMerge package	Win32/Heur	
FastDefrag package	Win32/Heur	
FDOS package	FakeAlert	
Fiman package	Generic18.YDT	
FreshDow package	SHeur3.CMHF	
Glint package	Win32/Heur	
GreenBrowser package	IRC/BackDoor.SdBot4.SMG	
Hexalot package	Win32/Heur	
HiddenFinder package	PSW.Generic8.CICW	
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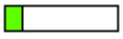
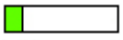
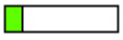
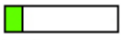
IDA package	Generic4.RKK	
Intrapact package	Gen:Trojan.Heur.VP2.fm0@a4KofFgi	
Kastanie package	Agent3.JRO	
KnightsOfHonor package	Win32/Heur	
NetworkChat package	Agent3.JGV	
OEconfig package	BackDoor.Hupigon5.AZTZ	
Plesk package	Win32/Heri	
RadTools package	BackDoor.Generic13.AVMC	
Rage3D package	Win32/Heri	
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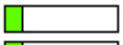
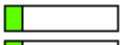
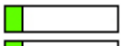
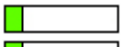
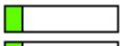
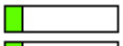
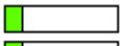
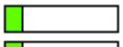
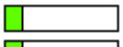
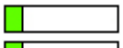
RiotBall package	Win32/Heur	
RSSReader package	PSW.Generic8.BYVR	
SafeXP package	Win32/Heur	
SecureDNA package	Win32/Heur	
ShellPicture package	PSW.OnlineGames3.AVRA	
SkiRacing package	Win32/Heur	
Skriptum package	Exploit.CVE-2011-0977.Gen	
SkySaver package	Agent3.JGV	
SWAT package	Win32/Heur	
Talisman package	BAT/Generic	
TorChat package	Win32/Heur	
UnBrowster package	Generic21.ARCU	
VirtualizationAgent package	Gen:Trojan.Heur.KT.4.bq8@aqlITyf	
Virweed package	PSW.Generic8.BFLL	
WhatSpeed package	Win32/Heur	
WinnerTw package	Gen:Variant.Kazy.18603	
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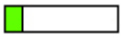
WinWD package	PSW.Generic8.EOI	
WoodMahjongg package	Gen:Variant.Kazy.14979	
zDataBurn package	Generic15.CCQU	

TrustPort had 59 false alarms.

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