

Details about the discovered False Alarms



Appendix to the Anti-Virus Comparative March 2014

Language: English

April 2014

Last Revision: 8th April 2014


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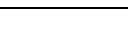
Details about the discovered false alarms

With AV testing it is important to measure not only detection capabilities but also reliability. One aspect of reliability is the ability to recognize clean files as such, and not produce false alarms (false positives). No product is immune from false positives (FPs), but some produce more than others, and the our goal is to find out which programs do best in this respect. There is no complete collection of all legitimate files that exist, and so no "ultimate" test of FPs can be done. What can be done, and is reasonable, is to create and use a set of clean files which is independently collected. If with such a set one product has e.g. 30 FPs and another only 5, it is likely that the first product is more prone to FP's than the other. It doesn't mean the product with 5 FPs doesn't have more than 5 FPs globally, but it is the relative number that is important.

All listed false alarms were encountered at the time of testing. 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 FPs distributed/shared primarily by vendors (which may be in the several thousands) or other non-independent sources are not counted here as false positives.

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

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

Level	Presumed number of affected users	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 much higher, but current usage on actual systems is lower (despite its presence), that is 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 hundreds of thousands or millions of users	Such cases are likely to be seen much less frequently in a false alarm test done at a specific time, as such files are usually either whitelisted or would be noticed and fixed very fast.


Most false alarms will probably fall into the first two levels most of the time. In our opinion, anti-virus products should not have false alarms on any sort of clean files regardless of how many users are currently 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 of false alarms (currently 10) 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, and/or how many files of the same kind were affected.

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 to 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 quality assurance 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 FPs 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 cause an FP again on a more significant file. Thus, they still deserve mention and still deserve to be penalised. Below you will find the false alarms we observed in our independent set of clean files. Red entries highlight false alarms on files that were digitally signed.

ESET

False alarm found in some parts of	Detected as	Supposed prevalence
PasswortContainer package	MSIL/TrojanDropper.Agent.AGW	


ESET had 1 false alarm.

Panda

False alarm found in some parts of	Detected as	Supposed prevalence
SmadAV package	Trojan.Agent.MTZ	



Panda had 1 false alarm.

Microsoft

False alarm found in some parts of	Detected as	Supposed prevalence
BuddyWorx package	VirTool:Win32/Injector.gen!AD	



Microsoft had 1 false alarm.

Fortinet

False alarm found in some parts of	Detected as	Supposed prevalence
Cacao package	PossibleThreat.SB!tr.dldr	
TrustDriver package	W32/Agent.ACCTD!tr	




Fortinet had 2 false alarms.

Sophos

False alarm found in some parts of	Detected as	Supposed prevalence
TrustDriver package	Mal/Generic-S	
TVTool package	Mal/KeyGen-U	


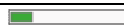

Sophos had 2 false alarms.

Bitdefender

False alarm found in some parts of	Detected as	Supposed prevalence
NetTime package	Gen:Trojan.Heur.SFM.gq3@amL@z9gi	
PictureWorks package	Gen:Variant.Symmi.35878	
Star package	Gen:Variant.Kazy.245745	




Bitdefender had 3 false alarms.

BullGuard

False alarm found in some parts of	Detected as	Supposed prevalence
NetTime package	Gen:Trojan.Heur.SFM.gq3@amL@z9gi	
PictureWorks package	Gen:Variant.Symmi.35878	
Star package	Gen:Variant.Kazy.245745	




BullGuard had 3 false alarms.

Emsisoft

False alarm found in some parts of	Detected as	Supposed prevalence
NetTime package	Gen:Trojan.Heur.SFM.gq3@amL@z9gi	
PictureWorks package	Gen:Variant.Symmi.35878	
Star package	Gen:Variant.Kazy.245745	




Emsisoft had 3 false alarms.

Kingsoft

False alarm found in some parts of	Detected as	Supposed prevalence
NetTime package	Gen:Trojan.Heur.SFM.gq3@amL@z9gi	
PictureWorks package	Gen:Variant.Symmi.35878	
Star package	Gen:Variant.Kazy.245745	




Kingsoft had 3 false alarms.

Lavasoft

False alarm found in some parts of	Detected as	Supposed prevalence
NetTime package	Gen:Trojan.Heur.SFM.gq3@amL@z9gi	
PictureWorks package	Gen:Variant.Symmi.35878	
Star package	Gen:Variant.Kazy.245745	

Lavasoft had 3 false alarms.

Qihoo

False alarm found in some parts of	Detected as	Supposed prevalence
NetTime package	Gen:Trojan.Heur.SFM.gq3@amL@z9gi	
PictureWorks package	Gen:Variant.Symmi.35878	
Star package	Gen:Variant.Kazy.245745	

Qihoo (English version) had 3 false alarms.

Tencent

False alarm found in some parts of	Detected as	Supposed prevalence
BootStrapper package	TR/Inge.2	
ConCentre package	TR/Dropper.Gen7	
MediaPlayer package	TR/Kazy.ffffg.153	

Tencent had 3 false alarms.

F-Secure

False alarm found in some parts of	Detected as	Supposed prevalence
Jar2Exe package	W32/Malware.ad24e65eac!Online	
NetTime package	Gen:Trojan.Heur.SFM.gq3@amL@z9gi	
PDF2Image package	W32/Malware.b15566f0df!Online	
Telefonbuch package	W32/Malware.25150ab7cb!Online	

F-Secure had 4 false alarms.

eScan

False alarm found in some parts of	Detected as	Supposed prevalence
InterVideo package	eScan.Cloud.Suspicious.2836	
NetTime package	Gen:Trojan.Heur.SFM.gq3@amL@z9gi	
PictureWorks package	Gen:Variant.Symmi.35878	
Star package	Gen:Variant.Kazy.245745	

eScan had 4 false alarms.

Trend Micro

False alarm found in some parts of	Detected as	Supposed prevalence
Aircrack package	TROJ_SPNR.08A012	
AntiAuto package	TROJ_SPNR.09G813	
Avast package	TROJ_GEN.ROCBH07JN13	
Backspin package	TROJ_GEN.RC1CEE6	
InkScape package	Cryp_Upack	

Trend Micro had 5 false alarms.

AVIRA

False alarm found in some parts of	Detected as	Supposed prevalence
BootStrapper package	TR/Inge.2	
Clara package	DR/Delphi.Gen.2451	
ConCentre package	TR/Dropper.Gen7	
InkScape package	TR/Crypt.UPKM.Gen.654	
MediaPlayer package	TR/Kazy.ffffg.153	
VirtualBox package	TR/Crypt.XPACK.Gen.936	

AVIRA had 6 false alarms.

Kaspersky Lab

False alarm found in some parts of	Detected as	Supposed prevalence
DataBurn package	UDS:DangerousObject.Multi.Generic	
Dnet package	UDS:DangerousObject.Multi.Generic	
eGuardo package	HEUR:Trojan.Win32.Generic	
RegistryCleanExpert package	Trojan-Dropper.Win32.Drob.apa	
ShadowBay package	HEUR:Trojan.Win32.Generic	
Supermicro package	UDS:DangerousObject.Multi.Generic	
TrustDriver package	Trojan.Win32.Agent.acctd	
YiYi package	Backdoor.Win32.Androm.arzr	
zCDBurner package	Trojan.Win32.VBKrypt.ttwg	

Kaspersky Lab had 9 false alarms.

AVG

False alarm found in some parts of	Detected as	Supposed prevalence
Backspin package	Generic_c.YTD	
DirectX package	Generic32.OEP	
EbayToolbar package	Win32/DH{ICVkB4}	
GIMP package	Crypt2.BHNF	
ListSP package	ILCrypt	
RegistryCleanExpert package	Dropper.Generic6.IFN	
SimplePercussion package	PSW.Generic12.ADTJ	
StarOffice package	Generic_s.CGB	
Touchpad package	Win32/DH{Ln0PLXs}	

AVG had 9 false alarms.

McAfee

False alarm found in some parts of	Detected as	Supposed prevalence
AdvancedZipRepair package	Artemis!7E7B3E32544F	
BigFish package	Artemis!C99A8747A4A8	
Billard package	Artemis!C515C219CDDA	
Brockhaus package	Artemis!0D5EB245F1F8	
HewlettPackard package	Trojan-FBOH!6FB3AEEB38F4	
HPGames package	Artemis!B3C322F02778	
ListSP package	Artemis!C116AE325067	
RummyRoyal package	Artemis!80DD9BD1B336	
SmadAV package	Artemis!387AA6759684	
WinAmp package	Artemis!0731D1F73462	

McAfee had 10 false alarms.

AhnLab

False alarm found in some parts of	Detected as	Supposed prevalence
Areaker package	Worm/Win32.Franriv	
AVG package	Win-Trojan/Agent.945328	
Backspin package	Win-Trojan/Xema.variant	
CDDVDBurner package	Packed/Upack	
CompanyofHeroes package	Trojan/Win32.Malpacked3	

EasyBurning package	Packed/Upack	
MediaImpression package	Trojan/Win32.Koutodoor	
Miranda package	Trojan/Win32.Agent	
NeedForSpeed package	Win-Trojan/Hupe.Gen	
RaidDriver package	Win-Trojan/Zbot.M.60800	
Spybot package	Trojan/Win32.Swisyn	
SSDownloader package	Trojan/Win32.Gen	
StickyPassword package	Trojan/Win32.Banbra	
TotemShared package	Win-Trojan/IstBar.49152.I	
Vispa package	Packed/Upack	
WinWD package	Win-Trojan/Wsnpoem.399872	

AhnLab had 16 false alarms.

Vipre

False alarm found in some parts of	Detected as	Supposed prevalence
ACLIVE package	BehavesLike.Win32.Malware.klt	
AzTech package	Exploit.TTF.CVE-2012-0159	
Backspin package	Trojan.Win32.Generic!BT	
BatchProducer package	FraudTool.Win32.AVSoft	
Browser package	Trojan.Win32.Generic!BT	
DriverPack package	Trojan.Win32.Generic!BT	
ESET package	Trojan.Win32.Generic!BT	
ListSP package	Trojan.Win32.Generic!BT	
NetTime package	Trojan.Win32.Generic!BT	
NXPLite package	Trojan.Win32.Generic!BT	
QuickTime package	Trojan.Win32.Generic!BT	
RegistryCleanExpert package	Trojan.Win32.Generic!BT	
RiftSpace package	FraudTool.Win32.AVSoft	
SoundDriver package	Trojan.Win32.Generic!SB.0	
TVgenial package	FraudTool.Win32.AVSoft	
TweakLite package	Trojan.Win32.Generic!BT	
UFO package	Trojan.Win32.Generic!BT	
WinAmp package	Trojan-Downloader.Win32.Agent	
Yo package	FraudTool.Win32.AVSoft	

Vipre had 19 false alarms.

Avast

False alarm found in some parts of	Detected as	Supposed prevalence
AdiDriver package	Win32:Evo-gen	
AdKiller package	Win32:Evo-gen	
AhnenForscher package	Win32:Evo-gen	
Akfquiz package	Win32:Evo-gen	
AsciiArt package	Win32:Evo-gen	
Atlantis package	Win32:Evo-gen	
Atomaders package	Win32:Malware-gen	
Audigy package	Win32:Evo-gen	
BatMon package	Win32:Evo-gen	
BitTornado package	Win32:Evo-gen	

Blinkx package	Win32:Evo-gen	
Bloodmoon package	Win32:Evo-gen	
BootStrapper package	Win32:Evo-gen	
BtVideo package	Win32:Evo-gen	
Buchdruck package	Win32:Evo-gen	
BundyQuiz package	Win32:Evo-gen	
Canon package	Win32:Evo-gen	
CardScan package	Win32:Evo-gen	
CPUcool package	Win32:Evo-gen	
Creative package	Win32:Evo-gen	
DLLRemover package	Win32:Evo-gen	
Ezdesk package	Win32:Evo-gen	
FileSplitter package	Win32:Evo-gen	
FireStorm package	Win32:Evo-gen	
FolderShield package	Win32:Evo-gen	
Future package	Win32:Dropper-gen	
Games package	Win32:Evo-gen	
GDATA package	Win32:Evo-gen	
Genius package	Win32:Evo-gen	
HotMetal package	Win32:Evo-gen	
HP package	Win32:Evo-gen	
IBM package	Win32:Evo-gen	
Impulsiv package	Win32:Evo-gen	
IncredibleInk package	Win32:Malware-gen	
Kindersicherung package	Win32:Evo-gen	
Lexware package	Win32:Evo-gen	
Logik package	Win32:Evo-gen	
MathCad package	Win32:Evo-gen	
McAfee package	Win32:Evo-gen	
MediaConverter package	Win32:Evo-gen	
MediaImpression package	Win32:Evo-gen	
MountImage package	Win32:Spyware-gen	
MovPack package	Win32:Malware-gen	
Mozilla package	Win32:Evo-gen	
MP3Tag package	Win32:Evo-gen	
MSWindows2000 package	Win32:Evo-gen	
MSWindowsXP package	Win32:Evo-gen	
Nero package	Win32:Evo-gen	
NetSet package	Win32:Evo-gen	
NotePager package	Win32:Evo-gen	
Outlook package	Win32:Evo-gen	
PalmSync package	Win32:Evo-gen	
PEiD package package	Win32:Malware-gen	
Photophilia package	Win32:Evo-gen	
PowerDVD package	Win32:Evo-gen	
PowerupXP package	Win32:Evo-gen	
PuttY package	Win32:Evo-gen	
RawTherapee package	Win32:Evo-gen	
RealNetworks package	Win32:Evo-gen	
Recompress package	Win32:Evo-gen	

RegDefrag package	Win32:Evo-gen	
RegistryCleanExpert package	Win32:Malware-gen	
RegistryShower package	Win32:Evo-gen	
RightMark package	Win32:Evo-gen	
RootkitRevealer package	Win32:Malware-gen	
SafeXP package	Win32:Malware-gen	
ShopFactory package	Win32:Evo-gen	
ShopShifter package	Win32:Evo-gen	
Skype package	Win32:Evo-gen	
Solarixx package	Win32:Evo-gen	
Spamihilator package	Win32:Evo-gen	
SpeedCommander package	Win32:Evo-gen	
Spore package	Win32:Evo-gen	
StartDelay package	Win32:Evo-gen	
Swapsee package	Win32:Evo-gen	
Symantec package	Win32:WrongInf-A	
SysReport package	Win32:Evo-gen	
TaskbarTweaker package	Win32:Evo-gen	
Tauscan package	Win32:Evo-gen	
Telefonbuch package	Win32:Evo-gen	
TrainSimulator package	Win32:Evo-gen	
Traumhaus package	Win32:Evo-gen	
Treeline package	Win32:Evo-gen	
TrendMicro package	Win32:Evo-gen	
TuneUpUtilities package	Win32:Evo-gen	
Ulead package	Win32:Evo-gen	
UniExtract package	Win32:Malware-gen	
Vanadium package	Win32:Evo-gen	
Ventafax package	Win32:Evo-gen	
VirtualDub package	Win32:FakeAV-EXN	
Wampp package	Win32:Evo-gen	
Warner package	Win32:Malware-gen	
zCDBurner package	Win32:Malware-gen	
ZipExpert package	Win32:Evo-gen	

Avast had 94 false alarms. Win32:Evo-gen is a relatively new heuristic detection of Avast, it is expected that the number of false alarms caused by it will be much lower in future.

Baidu

False alarm found in some parts of	Detected as	Supposed prevalence
AdvancedUninstaller package	Trojan.GameThief.Heur.gen	
AdWatch package	Trojan.Win32.Undef.ayzB	
AIMFix package	Trojan.QQThief.Heur.gen	
Astra package	Backdoor.Win32.DarkMoon.kj	
Asus package	Trojan.Generic.Heur.gen	
AVIRA package	Backdoor.Win32.Bifrose.gen	
Barracuda package	Backdoor.IRC.Flood.mk	
BCrypt package	Trojan.Win32.Undef.cll	
BigFish package	Trojan.Win32.Downloader.AANG	
Biinary package	Trojan.Win32.Agent.cku	

BitTorrent package	Trojan.Win32.Agent.AiNW	
BoostSpeed package	Trojan.Win32.Agent.gen	
BPMStudio package	Trojan.Win32.FakeAV.aY	
Brockhaus package	Trojan.Win32.Agent.gen	
Browster package	Trojan.Win32.Clicker.Aoc	
BTrix package	Trojan.Win32.Agent.ab	
Cacao package	HackTool.Win32.Packer.GEN	
CardReader package	Trojan.Win32.Agent.AP	
CDDVDBurner package	Trojan.Win32.Generic.Awz	
CDRecord package	Trojan.Backdoor.Heur.gen	
Cinergy package	Trojan.Win32.RasDialer.af	
Cires package	Trojan.Win32.Ponmocup.a	
Citrix package	Trojan.Win32.FakeAV.am	
Ckmail package	Trojan.Win32.Generic.Anbw	
CMedia package	Trojan.Generic.Heur.gen	
CNOS package	Trojan.Win32.Generic.aJa	
ConCentre package	TR/Dropper.Gen7	
CrazyWords package	Trojan.Win32.Clicker.aaQp	
CWS package	Trojan.Win32.Downloader.gen	
CyberLink package	Trojan.Generic.Heur.gen	
DriveLetter package	Trojan.Generic.Heur.gen	
Dumeter package	Trojan.Win32.FakeAV.AzD	
DungeonsSiege package	Trojan.Win32.Zlob.AdTZ	
DVDVideo package	HackTool.Win32.Injector.gen	
EtherSnoop package	Backdoor.Win32.Flood.adjl	
Ewido package	Trojan.Downloader.Heur.gen	
EZip package	Trojan.Generic.Heur.gen	
FireStones package	HackTool.Win32.Packer.GEN	
FlightSimulator package	Trojan.Win32.Zlob.gen	
FreeYoutube package	HackTool.Win32.Injector.gen	
FunnyBubbles package	HackTool.Win32.Packer.bp	
Galton package	Trojan.Win32.Flg.gen	
GifSplitter package	Trojan.Win32.Agent.aIq	
GIMP package	Trojan.Win32.Kryptik.VW	
Giverny package	Trojan.Generic.Heur.gen	
Google package	Trojan.Generic.Heur.gen	
Gplus package	Trojan.Generic.Heur.gen	
GXTranscoder package	Trojan.Win32.Zapchast.ar	
HPQ package	Trojan.Win32.Nodef.idf	
ImpossibleCreatures package	Trojan.Win32.Zlob.gen	
Impulsiv package	Backdoor.Win32.DeepThroat.gen	
IndustrieGigant package	Trojan.Win32.Inject.ALVQ	
InstallShield package	Virus.Win32.Alman.72	
InterAct package	Trojan.Generic.Heur.gen	
InternetExplorer package	Trojan.Generic.Heur.gen	
Issend package	Trojan.Generic.Heur.gen	
iTimeSync package	Trojan.Win32.Kryptik.m	
LinGarde package	HackTool.Win32.Injector.gen	
Logitech package	HackTool.Win32.Packer.bp	
McAfee package	Trojan.Generic.Heur.gen	

MediaPlayer package	Trojan.Generic.Heur.gen	
MiniApp package	Trojan.Win32.FakeFolder.AekI	
MMK package	HackTool.Win32.Nexus.aCV	
MP3or200 package	Trojan.Win32.Flg.gen	
MSGames package	Trojan.Generic.Heur.gen	
MSWindowsServer package	Trojan.Downloader.Heur.gen	
MSWindowsXP package	Trojan.Downloader.Heur.gen	
Musterbrief package	Trojan.Win32.Generic.Ai	
Mut package	HackTool.Win32.Packer.bp	
Norton package	Trojan.HTML.Clicker.ABH	
OESignup package	Backdoor.Win32.Hupigon.agi	
Pantaray package	Trojan.Generic.Heur.gen	
Philips package	Virus.Win32.Alman.72	
PhotoLoader package	Worm.Win32.Neeris.gen	
Photomatix package	Worm.Win32.Kolabc.aNJC	
Pixperan package	HackTool.Win32.Packer.GEN	
PowerArchiver package	Trojan.Generic.Heur.gen	
PowerTools package	Trojan.Backdoor.Heur.gen	
Recompress package	Trojan.Win32.Agent.ept	
RegistryCleanExpert package	Trojan.Win32.Drob.AgI	
SecureIt package	Trojan.Win32.IstBar.wy	
Sequoia package	Trojan.Win32.InfoStealer.aiy	
Skirun package	Trojan.Win32.Agent.cku	
SkyLook package	Trojan.Win32.Kryptik.m	
Sophos package	Trojan.Win32.Agent.50	
Soundmax package	Trojan.Win32.Downloader.aJ	
SplinterCell package	Trojan.Win32.Program.apSb	
SpywareTerminator package	Trojan.Generic.Heur.gen	
Star package	HackTool.Win32.Packer.GEN	
StartupBooster package	Trojan.Win32.Tibs.aje	
StreamRipper package	Trojan.Win32.Shutdowner.aeJZ	
Surun package	Trojan.Dropper.Heur.gen	
TagesAnzeiger package	HackTool.Win32.Packer.GEN	
TempControl package	Trojan.Win32.Obfuscated.aHOL	
ToolBook package	Trojan.Generic.Heur.gen	
Traffic package	Trojan.Win32.Kryptik.m	
TuneUpUtilities package	Trojan.Win32.Agent.ept	
TweakNow package	Trojan.Win32.KillFiles.mn	
TweakPower package	Trojan.Backdoor.Heur.gen	
Usenet package	HackTool.Win32.Injector.gen	
Video2iPod package	HackTool.Win32.Injector.gen	
Video2MP3 package	HackTool.Win32.Injector.gen	
Wesnoth package	Trojan.Win32.GameThief.AqwY	
WinAce package	Trojan.Win32.Delf.akjv	
WinRun package	Trojan.Win32.Flg.gen	
WinWD package	Trojan.Win32.Agent.aQ	
Xobni package	Trojan.Win32.FakeIcon.gen	
Ycomp package	Trojan.Win32.Agent.gen	
Zcube package	Backdoor.Win32.Rbot.csb	
ZDBackup package	Trojan.Win32.VBKrypt.ATq	

Zzap package	Trojan.Win32.Flood.n	
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Baidu (English version) had 111 false alarms. Baidu is a new participant in our tests. It is to be expected that its number of false alarms will be much lower in future.

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