

Analyzing Xavier: An Information-Stealing Ad Library on Android

Appendix

TrendLabs Security Intelligence Blog

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Indicators of Compromise (IoCs):

Package Name	Download Count	Remove Xavier Date
com.ijksoftware.pdfcreator.camscanner	10000-50000	5/13/2017
com.writeonpicture.textphoto	100000-500000	5/13/2017
com.inateam.cooler.master	500000-1000000	5/13/2017
com.equalizer.volumebooster	1000000-5000000	5/13/2017
com.styletext.font.textonphotos	100000-500000	5/14/2017
com.easytool.screenoff	100000-500000	5/13/2017
com.inateam.pdfreader	100000-500000	5/13/2017
com.placideagles.volumebooster	500000-1000000	5/13/2017
com.allinOne.openquickly	1000000-5000000	5/13/2017
com.inateam.ziprar	100000-500000	5/13/2017
com.coramobile.speedbooster.cleaner	1000000-5000000	5/13/2017
com.coramobile.security.antivirus	1000000-5000000	5/12/2017
com.cleaner.memorybooster.ramoptimizer	1000000-5000000	5/13/2017
com.coramobile.powerbattery.batterysaver	100000-500000	5/12/2017
com.pdfviewer.pdfreader.edit	500000-1000000	5/13/2017
com.cutterringtone.mp3cutter	100000-500000	5/14/2017
com.coramobile.phonecooler.cpucoolermaster	1000000-5000000	5/12/2017
com.autolockscreen.taptaplock	50000-100000	5/13/2017
com.easycapture.screenshot	50000-100000	5/14/2017
com.unziptool.rareextractor	50000-100000	11/18/2016
com.convertmp3.videoconverter	50000-100000	5/13/2017
com.lollicontact.caller	50000-100000	5/13/2017
com.fattys.automaticcallrecording	100000-500000	5/13/2017
com.ponosnocelleh.lolipoptheme	50000-100000	5/13/2017
com.ponosnocelleh.threedtheme	100000-500000	5/13/2017
com.mothrrmobile.volume	100000-500000	5/13/2017

Package Name	Download Count	Remove Xavier Date
com.greenapp.voicerecorder	10000-50000	5/13/2017
com.sunny.text2photo	100000-500000	5/13/2017
com.fingerprint.lockscreen.prank	100000-500000	5/13/2017
com.keeprr.cutpastephoto	100000-500000	5/13/2017
com.billowey.equalizer.bassbooster	100000-500000	5/13/2017
com.fattysgui.beautyfont	100000-500000	5/13/2017
com.aecenraw.emojionphoto	50000-100000	5/13/2017
com.appworksui.myfonts	100000-500000	5/13/2017
com.forecast.weatherlive.weather	10000-50000	5/13/2017
com.finder.photo.imagesearch	10000-50000	5/13/2017
com.galaxygame.fighterwar	100000-500000	5/13/2017
com.djayfree.mp3djmix	100000-500000	5/13/2017
com.qrscan.qrreader.qrcode	10000-50000	5/13/2017
com.yamagame.stormfighter	100000-500000	5/13/2017
com.minfiapps.screenshost_capture	100000-500000	5/13/2017
com.photogrid.frame.photocollage	10000-50000	5/13/2017
com.greenapp.slowmotion	100000-500000	5/13/2017
net.camspecial.cloncamera	500000-1000000	5/13/2017
com.rartool.superextract	100000-500000	5/13/2017
com.fattystudioringtone.mp3cutter	50000-100000	5/13/2017
com.aepictur.textphoto	100000-500000	5/13/2017
com.live3d.wallpaperlite	100000-500000	5/13/2017
com.xatedses.changehaircoloreye	100000-500000	5/13/2017
com.podhengy.haircolor	100000-500000	5/13/2017
com.mobilescreen.capture	100000-500000	5/13/2017
com.keeprr.textonphoto	100000-500000	5/13/2017
com.mobiletool.rootchecker	100000-500000	5/13/2017
com.galaxy.strikeforce	1000000-5000000	5/13/2017
com.podhengy.photoapp	50000-100000	5/13/2017
com.albumpro.videoslide.galleryphoto	50000-100000	5/13/2017
com.gpsonline.phonetracker	500000-1000000	5/13/2017
com.maxmittek.livewallpaperaquariumfishfish	50000-100000	5/13/2017

Package Name	Download Count	Remove Xavier Date
com.maxmitek.beachwallpaper	50000-100000	5/13/2017
com.xatedsesmobile.picturesketch	100000-500000	5/13/2017
com.efficnetwork.ringtonecutter	50000-100000	5/13/2017
com.gigmobile.booster	100000-500000	5/13/2017
com.ponosnocelleh.launchers7	100000-500000	5/13/2017
com.magicvideo.editor.reversevideo	50000-100000	5/12/2017
com.azurersweet.djvirtual	500000-1000000	5/12/2017
com.sevideo.slideshow.videoeditor	1000000-5000000	5/12/2017
com.fourapps.musicplayer.videoplayer	100000-500000	5/12/2017
com.slowmotion.videoslow	500000-1000000	5/12/2017
com.fourvideo.videoshow.videoslide	1000000-5000000	5/12/2017
com.azurersweet.app2sdandremover	100000-500000	5/12/2017
com.azure.vpnproxy.supervpn	500000-1000000	5/12/2017
com.azurersweet.launcher	50000-100000	5/12/2017
com.appgpfaq.prankcrackscreen	500000-1000000	5/12/2017
com.photoshow.videoeditor.slide	100000-500000	5/12/2017
com.azurersweet.beautymakeup	100000-500000	5/12/2017

Hashes Detected as ANDROIDOS_XAVIER.AXM (SHA256)

SHA256
dc1f0b3620c0f5f17e5fbd5fb9e335fbafcf2839972d328b312dfb53729ec002
50125659928d3277cdf307f794bda36768363f9294f01af61d5a702273e91ef9
2802c541cb9d4e873f4aea93eaa345405dbad1972b63dfca8a96d6ef0f6dda5c
a8185844eea259430934d344afa8134eb9fba4eec834222518bbb1716824c73
65054d16d36af9993f878d2230fe58c69363599147b58b1f789891d40b040b47
f9bf823612ec8c70452772b09e75e4a191d195fff48244961cb7d4838be0baab
039ebf2a1312770a3e0e8a0777b6e64cdd33aa962d7f3473bbe1312fa5ed19bb
9c5385851f14cc46bb15614ade0ad313d5af19038e21289f160067edf3808c95

SHA256
0b4f21914bf2e447db9407d4a5a143b39bc6a5aa4ed27135320129dc5f1ce178
7db279c34128ba0ec57c9b2cce813a3d4ebe18ffbfd8cd12a8301e0852bd6059
34cc8c74e2ee812b3b671d36d0abbe6540ad9ee0355dbca77e6ab472c8ff7405
f5cfe8ce08661d87ca8893f922bbf0add2d8cbbe8e918f67bab294666d923c45
c753cc36ab6f8e7be2ffa54ef4dcbc5c740fbbfdd75a2e7f3374db6f4180e187
28504dbe4d0f61152571a61b6e8d45cf758967ad79268c23e95ea3dcd1ad284
5c8ec795635c7d98966dfd9cba8f80b0b85fedd5703dd9285d3f9ff4891ece84
3f3c4b573f77390cbd852f2b86450979d7d23fcfa43f8836e1b8b194abc5f6d
f1bd1955ad93a0c16410bc64758e70780b965f80e17f2a49e490c907a9dfb952
6839b88624eb5bf9a0783293fa7e940fb736ee37f746c68cb880b0b171125d0c
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e3511e4fea35317e3af30ae805031f04112073c0989abdd87e7c564ca694f989
4746caac5ae28230b49e5b5430f1e2b0a869bcc69e51a94a686a47ec52631f8a
07795204a5a4c6a0c70e3b70bf25d4574d0955bb112586647eb4f6b6dd9213bd
973ac11b0c8e0b41d3e57dc766bff2d70c460ccf64cbdd2bf3d4c4bb09a00946
31da4b5e2d0914530ccddd922ddc7ab86b5504bd301e057958986b6cc4a69258
5f5d1ed09f98ae4d1ed9c3349dc400b1a36f2723093fbb4d1df5c5d7237e704a
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3f34acdcb87603e6128f3317fb1350de2141b165bf97370a42153c1ff4db13d
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f40179f1cd2ad5767dd4afafba10885eeeb4cbc34819ba363efe5c248571420
ed8aa8ea4efff41098d8916b8a0cf95c32b8489a38c948dda68a8828dbf719
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SHA256
cf6d99a06117b34b58c8c0758180a5e39e4ed53edd2760f0f83c444d5fea9dbb
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7fa8a59ea65e679331e272a802b3e9ac6f4be634126ae59a9d3a9808f23bf2c6
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5e633afe196ff3ba794e5e65575e88d3bb28d43ef6280ad4a4bef0e9de259063
b005792b0367a9f7b23b91176f765917f5a526e973405495ac03bedd4fdcf6ea
1c1f6b3d0fa21b5fd0528d7ca706250b349481c9f8e982ce74596f5c4f84cae7
0432ed39245e2dab308d8d36ece76b14a5aa4ff039dc35f4ab3b5dd489151611
5d9201a73e13f903a9b52d09e648a375addbb5698ad57b827779cb7e3676a0ca
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d0c6bd584fb07f652f3cdc5a7bbc6ca4b58936b0d318f8bfa07a9b84aae4db16
1647b9ce206d9a775718e71b391a8827c1f731bd4366042ca846e44630f119a0
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d3da616f7dd53bed85af07d134b335d7deb942cdb067f49af9fe8b9f8ccda377
a6bb3a7ca5dfc09d29b655f6ee3040e62e46ecfb609a5b5eab755c775cd8437e
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SHA256
06670c518e5e98db83aadd57b06877a9964df8208e9ed2847d7ea372abe6ccf6
1cc93d27293e297a3bdd1069aab721a1cba6129049a4ccd46956737c546728fc
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271a74b1476027d25eec77dd352f843906d2f7ea9f5396d34350661d7242da4b
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c62cfe83b95b55303baf046ad7d99b8ca4d3cad4729460191a5a3339639f97bc
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d679fa273e3bec169a76bb11790d0ef72f2e44eaa44578ffcc31066b81ba8a4e
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b00a19013db9957044f64b52e5e22749b710ee7b9b7b9f18578d1c97a5609fa6
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7cdc72d6a2dbd4e7217328ee64c9d9d7dfbb4206fac97a740688fe963f1bad90
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f607e130922365e97586c2ce2658152c8189086f97ec07c65b2887b25b8bf9f6
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SHA256
bf47e04f3b47281800544abb0a575ce5a617208faf7456e9b8ac0c9748e002df
3bd04b3624276e46236fd7d4489333f999c1211652e1c1530564e74ad94f09eb
182c35c7925d128d4c12bae4db5851ad01dc8cc61c8639f2cd9952af142206fe
8a90739742b96ebb48007be218a6eb8c0a03bba905b6e6ffb5eecda1dd12e5a5
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91502abb2ea4f02c47c61a7c95a646cf5017a8f2454ef32edb11fcacfd0cbc74
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907f78db67858038f5e36a097a3036aaa62c1b66498d88c08b592859d997c98f
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a42a9986d5537eed55891c6f183da72097485466dd208e97f300412c51b8b28
8a1eb641cc67cd7229bf9cd1a103e3d37a1a6015ff3e9f17680fc759bc619187
91b0fa2f647e412a32b2220687d6be5f9f552053ed672cef04e5855f52ae1a66
94c9cd4c944e92aad046f14c5cfc242e462738209f881575c6b866e0ec9586e0
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