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A simple way to block access to the internet per application: http://www.netguard.me/

2,297 commits | 9 branch | 360 releases | 26 contributors | GPL-3.0

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M66B 2,216 release
Latest commit a4ce1ce Oct 22, 2018

app	2.216 release	Oct 22, 2018
gradle/wrapper	Updated gradle	Oct 14, 2018
jniustors	Android version 5.0 required	Nov 3, 2017
screenshots	Updated screenshots, cleanup	Feb 25, 2018
tools	Attempting to redirect 1st to 1st	Jul 29, 2018
.gitignore	Updated .gitignore file	Jul 10, 2018
ADBLOCKING.md	Updated ad blocking instructions	May 25, 2018
FAQ.md	Updated description / FAQ	Oct 17, 2018
LICENSE	Initial commit	Oct 24, 2014
README.md	Updated description / FAQ	Oct 17, 2018
build.gradle	Updated gradle	Oct 14, 2018
gradle.properties	Enable D8	Aug 11, 2017
gradlew	Initial commit	Oct 24, 2015
gradlew.bat	Initial commit	Oct 24, 2015
settings.gradle	Initial commit	Oct 24, 2015

README.md

NetGuard

NetGuard provides simple and advanced ways to block access to the internet - no root required. Applications and addresses can individually be allowed or denied access to your Wi-Fi and/or mobile connection.

Blocking access to the internet can help:

- reduce your data usage
- save your battery
- increase your privacy

NetGuard is the first free and open source no-root firewall for Android.

Features:

- Simple to use
- No root required
- 100% open source
- No calling home
- No tracking or analytics
- Actively developed and supported
- Android 5.1 and later supported
- IPv4/IPv6 TCP/UDP supported
- Tethering supported
- Optionally allow when screen on
- Optionally block when roaming
- Optionally block system applications
- Optionally forward DNS to external addresses (not available if installed from the Play store)
- Optionally notify when an application accesses the internet
- Optionally record network usage per application per address
- Optionally block ads using a hosts file (not available if installed from the Play store)
- Material design theme with light and dark theme

PRO features:

- Log all outgoing traffic, search and filter access attempts, export PCAP files to analyze traffic
- Allowlock individual addresses per application
- New application notifications; configure NetGuard directly from the notification
- Display network speed graph in a status bar notification
- Select from five additional themes in both light and dark version

There is no other no-root firewall offering all these features.

Requirements:

- Android 5.1 or later
- A compatible device

Downloads:

- GitHub
- Google Play

Usage:

- Enable the firewall using the switch in the action bar
- Allowlisting Wi-Fi/mobile internet access using the icons along the right side of the application list

You can use the settings menu to change from blacklist mode (allow all in Settings but block unwanted applications in list) to whitelist mode (block all in Settings but allow favorite applications in list).

- Red/orange/yellow/white = internet access denied
- Teal/blue/purple/grey = internet access allowed

For more screenshots, see here.

Compatibility

The only way to build a no-root firewall on Android is to use the Android VPN service. Android doesn't allow chaining of VPN services, so you cannot use NetGuard together with other VPN based applications. See also this FAQ.

NetGuard can be used on rooted devices too and even offers more features than most root firewalls.

Some Android versions, especially not updated Samsung Android versions, have a buggy VPN implementation, which results in Android refusing to start the VPN service in certain circumstances. We when there is no internet connectivity yet (when starting up your device) or when incorrectly requesting manual approval of the VPN service again (when starting up your device). Unfortunately these Android bugs cannot be worked around by NetGuard.

Filtering mode cannot be used on CopperheadOS.

NetGuard will not work or even crash if your provider uses iPtables to encrypt your phone calls, SMS messages and/or MMS messages, unless there was made an exception in NetGuard for your provider (currently for T-Mobile and Verizon). I am happy to add exceptions for other providers, but I need the MCC codes, MNC codes and IP address ranges your provider is using. As an alternative you can enable the option Disable on call, which is available since version 2.113.

Frequently Asked Questions (FAQ)

(0) How do I use NetGuard?

(1) Can NetGuard completely protect my privacy?

(2) Can I use another VPN application while using NetGuard?

(3) Can I use NetGuard on any Android version?

(4) Will NetGuard save extra battery power?

(6) Will NetGuard send my internet traffic to an external (VPN) server?

(7) Why are applications without internet permission shown?

(8) What do I need to enable for the Google Play™ store app to work?

(9) Why is the VPN service being restarted?

(10) Will you provide a Tasker plug-in?

(13) How can I remove the ongoing NetGuard entry in the notification screen?

(14) Why can't I select OK to approve the VPN connection request?

(15) Are F-Droid builds supported?

(16) Why are some applications shown dimmed?

(17) Why is NetGuard using so much memory?

(18) Why can't I find NetGuard in the Google Play™ store app?

(19) Why does application XYZ still have internet access?

(20) Can I Greenify/Islamize NetGuard?

(21) Does dose mode affect NetGuard?

(22) Can I tether (use the Android hotspot) / use Wi-Fi calling while using NetGuard?

(24) Can you remove the notification from the status bar?

(26) Can you add a 'select all'?

(27) How do I read the blocked traffic log?

(28) Why is Google connectivity services allowed internet access by default?

(29) Why do I get 'The item you requested is not available for purchase'?

(30) Can I also run AFWall+ on the same device?

(31) Why can some applications be configured as a group only?

(32) Why is the battery/network usage of NetGuard so high

(33) Can you add profiles?

(34) Can you add the condition 'when on foreground'?

(35) Why does the VPN not start?

(36) Can you add PIN or password protection?

(37) Why are the pro features so expensive?

(38) Why did NetGuard stop running?

(39) How does a VPN based firewall differ from a Iptables based firewall?

(40) Can you add schedules?

(41) Can you add wildcards?

(42) Why is permission ... needed?

(43) I get 'This app is causing your device to run slowly'

(44) I don't get notifications on access

(45) Does NetGuard handle incoming connections?

(46) Can I get a refund?

(47) Why are there in application advertisements?

(48) Why are some domain names blocked while they are set to be allowed?

(49) Does NetGuard encrypt my internet traffic / hide my IP address?

(50) Will NetGuard automatically start on boot?

(51) NetGuard blocks all internet traffic!

(52) What is lockdown mode?

(53) The translation in my language is missing / incorrect / incomplete!

(54) How to tunnel all TCP connections through the Tor network?

(55) Why does NetGuard connect to Amazon / ipinfo.io?

(56) NetGuard allows all internet traffic!

(57) Why does NetGuard use so much data?

(58) Why does loading the application list take a long time?

(59) Can you help me restore my purchase?

(60) Why does IP (Wi-Fi) calling/SMS/MMS not work?

(61) Help, NetGuard crashed!

(62) How can I solve 'There was a problem parsing the package'?

Support

For questions, feature requests and bug reports, please see this XDA-Developers forum thread.

There is support on the latest version of NetGuard only.

There is no support on things that are not directly related to NetGuard.

There is no support on building and developing things by yourself.

NetGuard is supported for phones and tablets only, so not for other device types like on a television or in a car.

Contributing

Building:

Building is simple, if you install the right tools:

- Android Studio
- Android NDK

The native code is built as part of the Android Studio project.

It is expected that you can solve build problems yourself, so there is no support on building. If you cannot build yourself, there are prebuilt versions of NetGuard available here.

Translating:

- Translations to other languages are welcomed
- You can translate online here
- If your language is not listed, please send a message to marcel+jus+netguard@faircode.eu+jus
- You can see the status of all translations here.

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Attribution

NetGuard uses:

- Glide
- Android Support Library

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