TRENDMICRO™ Mobile Security 12.0 for Android - Product Guide

V1.0

Trend Micro, Incorporated—US Headquarters
224 E. John Carpenter Freeway, Suite 1500
Irving, Texas 75062 U.S.A.
Phone: +1 (817) 569-8900
Toll-free: (888) 762-8763

www.trendmicro.com

Trend Micro Incorporated reserves the right to make changes to this document and to the service described herein without notice. Before implementing the service, please review the readme file and the latest version of the applicable user documentation.

Trend Micro and the Trend Micro t-ball logo are trademarks or registered trademarks of Trend Micro, Incorporated. All other product or company names may be trademarks or registered trademarks of their owners.

Trend Micro™ Mobile Security 12 for Android - Product Guide provides help for analysts, reviewers, potential customers, and users who are evaluating, reviewing, or using Trend Micro Mobile Security for Android.

This product guide can be read in conjunction with its companion guides, which can be accessed from the Home Support/Product Support dropdown menu, as well as from the individual links below:

- Trend Micro™ Mobile Security for iOS Product Guide
- Trend Micro™ Security for Windows Product Guide
- Trend Micro™ Antivirus for Mac® Product Guide
- Trend Micro™ Password Manager for Windows and Android Product Guide
- Trend Micro™ Password Manager for Mac and iOS Product Guide

DOCUMENT PROFILE:

Product Name: Trend Micro™ Mobile Security for Android

Document Title: Trend Micro™ Mobile Security 12.0 for Android - Product Guide

Document Filename: PG - TM Mobile Security 12 for Android - Product Guide v1.0

Document Release Date: November 2, 2020

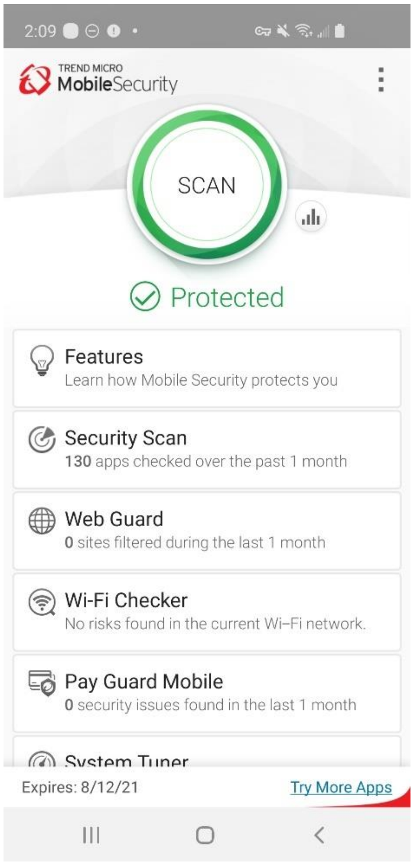
Team: Consumer Technical Product Marketing

Table of Contents

Trend Micro Mobile Security – Quick Overview

Trend Micro™ Mobile Security for Android™ (v12.0) provides comprehensive protection for smartphones and tablets so you can enjoy your digital life safely. It safeguards against malicious apps, fraudulent websites, and identity theft, and includes performance-boosting tools. Also, it secures your data by allowing you to find, lock, or erase your device if it's lost or stolen. Installing easily from the Google Play Store onto your Android smartphone or tablet, Trend Micro Mobile Security provides the following essential features (**Red** = new or recently updated; F = Free, P = Premium (Paid):

- **Refreshed User Interface** in Mobile Security Console provides easier access to all functions. (F, P)
- **Device Scan.** Scans your device for things to fix, providing easy-to-use results to help you fix them. (F, P)
- **Security Report.** Protection Summary for last 7, 14, or 30 days for app installs and updates, browsing activities, Wi-Fi network connections, email, social media, banking/shopping activities, and others. (F, P)
- **Security Scan.** Remove apps with security, vulnerability, or privacy issues. Stop installation of fake banking apps and install the real ones. (F, P) Pre-Installation Scan alerts the user of bad apps and malware on Google Play *before* they're installed. (P)
- **Web Guard.** Protects you from explicit or unwanted websites when you are using a mobile browser or apps that offer in-app browsing. (P)
- **Wi-Fi Checker.** Alerts you of unsecured or suspicious Wi-Fi hotspots showing sign of interference. (P)
- **Pay Guard Mobile.** Protects your online transactions from data and identity theft when using mobile browsers or financial apps. (P)



Features
Learn how Mobile Security protects you

Security Scan
130 apps checked over the past 1 month

Web Guard
0 sites filtered during the last 1 month

Wi-Fi Checker
No risks found in the current Wi–Fi network.

Pay Guard Mobile
0 security issues found in the last 1 month

System Tuner

Expires: 8/12/21 Try More Apps

Figure 1: Console Scrolled Down

- **System Tuner.** Optimize your device's Battery and Memory use. Just-a-Phone Mode and Smart Power Saver. Shortcut for quick tuning. (F, P)
- **App Manager.** Save valuable storage space by viewing Apps by usage, uninstalling rarely used and unused Apps and Setup Files. (P)
- **Parental Controls.** Lock Apps from kids' use or filter inappropriate websites. Uninstall protection protects Mobile Security from unauthorized uninstallation. (P)
- **Social Network Privacy.** Fix your Facebook™ and Twitter™ privacy settings to protect you from spying or identity theft. (F, P)
- **Lost Device Protection.** With the online portal, locate a lost device, trigger an alarm, remotely lock, or even wipe your device to protect your personal information. Secret Snap takes a photo of whoever's found or stolen your device after a specified number of failed attempts to log into it. (P)
- **In-app Demos.** Provides easy-to-understand in-app demos, to teach you about the Pre-Installation Scan, Web Guard, and Wi-Fi Checker. (F, P)
- **Tools.** Configure Mobile Security to your preferred usage Settings, Renew / Activate, get Help, use Chat Support, Try More Apps, Share a link to the app, or Send Feedback. (F, P)

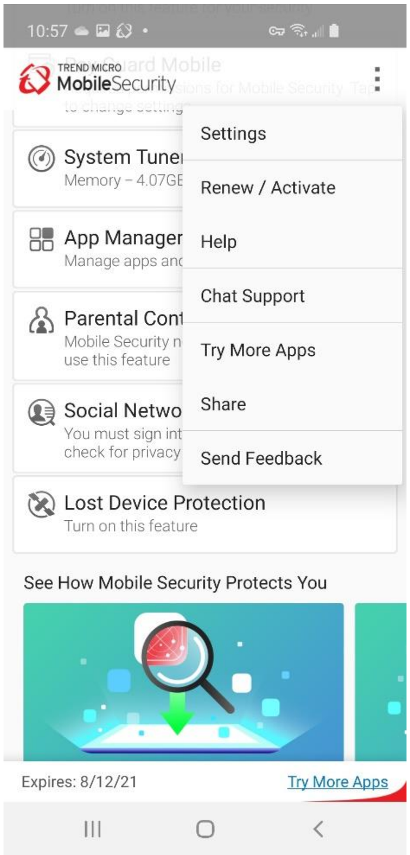


Figure 2: Console Scrolled Up

Chapter 1: Introducing Trend Micro™ Mobile Security

This chapter introduces you to **Trend Micro™ Mobile Security 12.0 for Android.** The topics discussed in this chapter include:

- Key Features
- System Requirements
- Incompatible Software
- Internet | 3-G-4G Connection
- Recommended Environment
- Target Market
- Availability
- Contacting Trend Micro

Key Features

All features of Trend Micro Mobile Security for each platform are available during the Free Trial. Various free functions are always available regardless of Trial or Paid (Premium) status. Free Trial availability and details are described within the app. Premium licenses can be purchased within the app, or by logging into your Trend Micro Account and assigning an available seat. (**Red** = updated or new feature.)

Table 1. Trend Micro Mobile Security (12.0) for Android

Android Security Features	Free	Paid
Security Console: Refreshed User Interface – Provides easy access to all functions.	✓	✓
Device Scan: Scans your devices for things to fix, providing easy-to-use results to help you fix them.	✓	✓
Security Report. Protection Summary for last 7, 14, or 30 days for app installs and updates, browsing activities, Wi-Fi network connections, email, social media, banking/shopping activities, and others.	✓	✓
Security Scan: Enhanced Scanning Engine - Enhanced scanning engine provides superior virus, vulnerability, and privacy protection for your device**.**	✓	✓
Security Scan: Real-time Scan - Scans apps you download and install to filter out viruses and malware that can steal your information and cost you money.	✓	✓
Security Scan: Pre-Installation Scan - Alerts you of viruses and malware *before* they're downloaded and installed.		✓
Security Scan: Trusted Apps – Create a list of trusted apps that do not need to be scanned.		✓
Security Scan: Updates - Unlimited updates to virus protection files.	✓	✓
Security Scan: Cloud – Cloud scan connection ensures continuous protection.	✓	✓
Security Scan: **Fake Banking Apps -** Mobile App Reputation helps you stop the installation of fake banking apps and install the real ones instead.	✓	✓
Security Scan: Malware / Ransomware Cleaner - Removes malware and ransomware from your device	✓	✓
Security Scan: Privacy Scanner - Detects spyware by scanning all apps with Mobile App Reputation to identify ones that collect and potentially steal private information.		✓
Web Guard - Protects you from inappropriate or unwanted websites when you are using a browser app or apps that offer in-app browsing. Enables a high- performance local VPN for a wider selection of app protections.		✓
Wi-Fi Checker – Protects you from unsecured or dangerous Wi-Fi hotspots.		✓

Android Security Features	Free	Paid
Pay Guard Mobile - Protects your online transactions from data and identity theft when using mobile browsers or financial apps.		✓
System Tuner: Memory Status and Optimizer - Helps free up memory and CPU to maximize performance. Shortcut for quick tuning.	✓	✓
System Tuner: Battery Optimizer - Maximizes your battery's life.	✓	✓
System Tuner: Just-a-Phone - Turns off power-draining features and apps.	✓	✓
System Tuner: Auto Just-a-Phone / Auto Power Saver - Turns off power-draining features and apps automatically.		✓
System Tuner: Smart Power Saver - Intelligently manages and disables the network connection when it is not in use to maximize the battery life.		✓
App Manager - Saves valuable storage space by showing you Apps by usage and size, letting you uninstall rarely used and unused Apps and Setup Files.		✓
Parental Controls: App Lock - Locks Apps from use, requiring password, pattern, or PIN to open		✓
Parental Controls: Wi-Fi Filter - Filters inappropriate websites with age-based restrictions.		✓
Social Networking Privacy - Scan your Facebook™ and Twitter™ privacy settings to protect you from spying and identity theft.	✓	✓
Lost Device Protection: Remote Locate / Alarm - Helps you find your devices on a Google map using GPS, cell towers, or Wi-Fi / Enables you to trigger an alarm on your device – even if it is in silent mode.		✓
Lost Device Protection: Remote Lock / Wipe - Remotely lock your device (accessing the phone again will require that you insert your Trend Micro password or a unique unlock code). Perform a factory reset of the device from the web portal to erase all your personal data.		✓
Lost Device Protection: Secret Snap - Takes a photo of whoever's found or stolen your device after a specified number of failed attempts to log into it.		✓
Lost Device Protection: SIM Card Protection - Automatically locks your device if the SIM card is removed (Accessing the phone again will require that you insert your Trend Micro password or a unique unlock code). Automatically locates your device when the following actions take place: SIM removal, SIM replacement, Phone Restart.		✓
Lost Device Protection: Last Known Location - Automatically locates your device when the following actions take place: SIM removal, SIM replacement, Phone Restart.		✓
Lost Device Protection: Low Power Location - Records the location of your device just before it runs out of power.		✓
Uninstall Protection - Prevents unauthorized removal of the app.		✓

Android Security Features	Free	Paid
Online Technical Support - Online forums, knowledgebase, and email.		✓
In-app Demos. Provides easy-to-understand in-app demos to teach you about Pre-Installation Scan, Web Guard, and Wi-Fi Checker.	✓	✓

System Requirements

Table 2. Trend Micro Mobile Security 12 for Android - System Requirements

Requirements	Description
Operating System	Android OS 4.1 or later

Incompatible Software

To identify software that you should remove from the device before installing Trend Micro Mobile Security, please refer to the following Web site:

http://esupport.trendmicro.com/support/consumer/consumerhome.do?locale=en_US

Internet | 3G-4G Connection

Trend Micro Mobile Security uses a Wi-Fi Internet or 3G-4G connection for activating the program online, checking the expiration date, downloading updates, sending Trend Micro URL/web queries and logs to the portal, logging into the management portal, and browsing knowledge-based pages on the Trend Micro Web site.

3G-4G data connections fees are usually charged on a monthly basis, using a fixed allocation with an upper limit. If you exceed this limit, you will be charged additional fees for the amount of time connected or for the amount of data downloaded. Testers are therefore encouraged to use a Wi-Fi router-based connection to the Internet whenever possible.

Recommended Environment

This Product Guide assumes that you are using Trend Micro Mobile Security in conjunction with a PC or Mac, so you can log in to the Trend Micro Mobile Security Portal easily at http://www.trendmicro.com/LostDevice and review your Lost Device Protection settings and execute certain actions.

Target Market

Trend Micro Mobile Security is targeted to mobile users who wish to secure their Android and iOS smart phones and tablets from malicious applications, web threats to them and their family, unwanted calls and messages, and device loss.

Availability

v12.1.0, October 21, 2020 – Google Play Store

Contacting Trend Micro

Trend Micro Incorporated
225 E. John Carpenter Freeway, Suite 1500
Irving, Texas 75062 U.S.A.
Phone: +1 (817) 569-8900
Toll-free: (888) 762-8763
www.trendmicro.com

Consumer Support Line

(800) 864-6027
Monday - Friday, 5:00AM - 8:00PM Pacific

Email and Chat Support

Paid users of Mobile Security may obtain free email, chat, and community forum support. For more information, contact eSupport at: https://helpcenter.trendmicro.com/en-us/product-support/mobile-security-for-android/.

Premium Services

Trend Micro offers Premium Services for a wide variety of technical issues including installation, virus and spyware removal, PC Tune-ups, and more. For more information, visit https://www.trendmicro.com/en_us/forHome/products/premium-services.html#premium-service-bundle-tm-anchor.

Chapter 2: Getting Started with Trend Micro™ Mobile Security

This chapter gets you started with Trend Micro™ Mobile Security. Topics discussed in this chapter include:

- Downloading and Installing Trend Micro Mobile Security from Google Play
- Activating Your Subscription
- Update and Device Scan

Note: **Trend Micro Mobile Security is also included with Trend Micro Maximum Security. To download the bundled software, users can simply launch the Trend Micro Maximum Security Console. A "Protect Another Device" link to the Mobile Security installer is available from the Console.**

Install and Activate Trend Micro™ Mobile Security

To install and activate Trend Micro Mobile Security from the Google Play Store:

1. Tap the **Google Play Store** app on your Android device. The **Google Play Store** screen appears.
2. Search for "**Trend Micro Mobile Security**" in the search field.
3. **Trend Micro Mobile Security & Antivirus** will appear at the top of the app list.
4. Tap it to load the app install screen. The **Trend Micro Mobile Security & Antivirus** install screen appears.

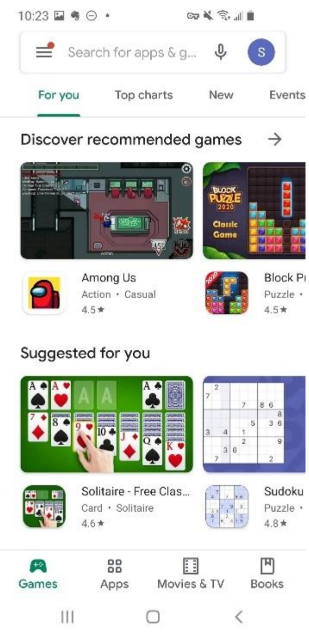


Figure 3. Google Play Store

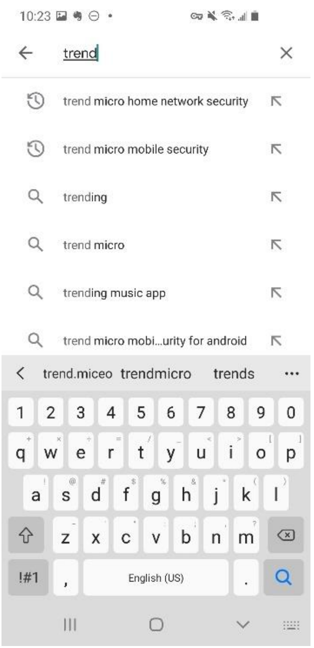


Figure 4: Search Google Play

5. Tap **Install**. **Trend Micro Mobile Security & Antivirus** downloads and installs.

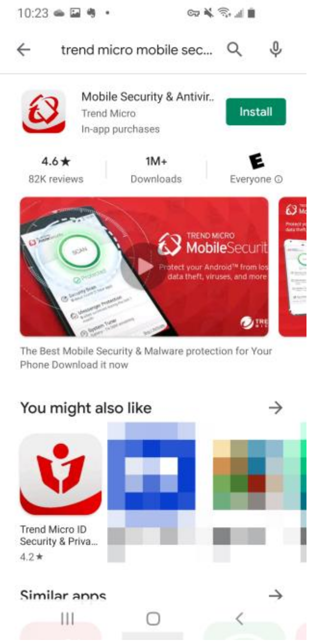

10:23
trend micro mobile sec...
Mobile Security & Antivir..
Trend Micro
In-app purchases
Install
4.6★
82K reviews
1M+
Downloads
Everyone
TREND MICRO
MobileSecurit
The Best Mobile Security & Malware protection for Your Phone Download it now
You might also like
Trend Micro ID Security & Priva...
4.2★
Similar apps

Figure 5. Trend Micro Mobile Security

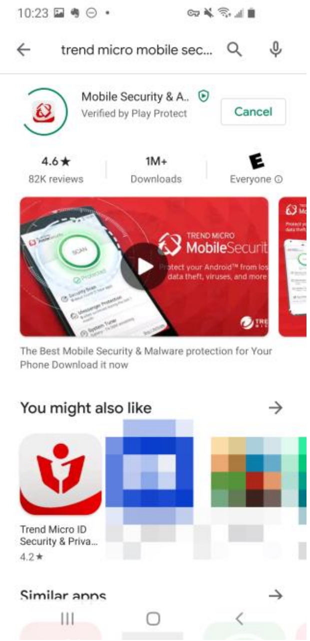


Figure 6: Installing

6. When installation is complete, tap **Open**. A **Privacy and Personal Data Collection Disclosure** notice appears.

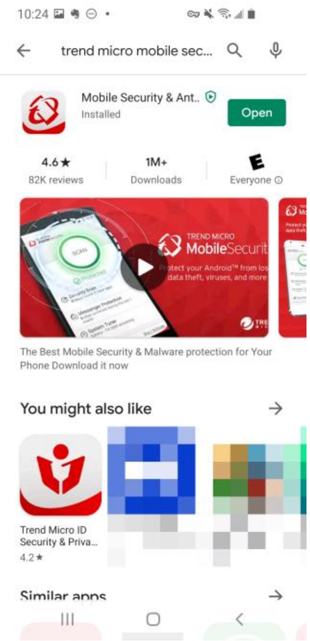
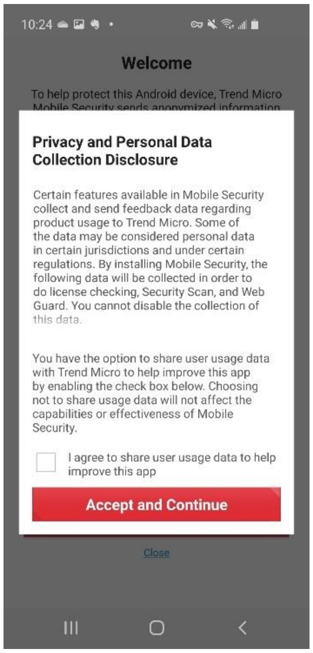

10:24
trend micro mobile sec...
Mobile Security & Ant..
Installed
Open
4.6★
82K reviews
1M+
Downloads
Everyone
TREND MICRO
MobileSecurit
The Best Mobile Security & Malware protection for Your Phone Download it now
You might also like
Trend Micro ID Security & Priva...
4.2★
Similar apps

Figure 7. Open



Welcome

To help protect this Android device, Trend Micro Mobile Security sends anonymized information

Privacy and Personal Data Collection Disclosure

Certain features available in Mobile Security collect and send feedback data regarding product usage to Trend Micro. Some of the data may be considered personal data in certain jurisdictions and under certain regulations. By installing Mobile Security, the following data will be collected in order to do license checking, Security Scan, and Web Guard. You cannot disable the collection of this data.

You have the option to share user usage data with Trend Micro to help improve this app by enabling the check box below. Choosing not to share usage data will not affect the capabilities or effectiveness of Mobile Security.

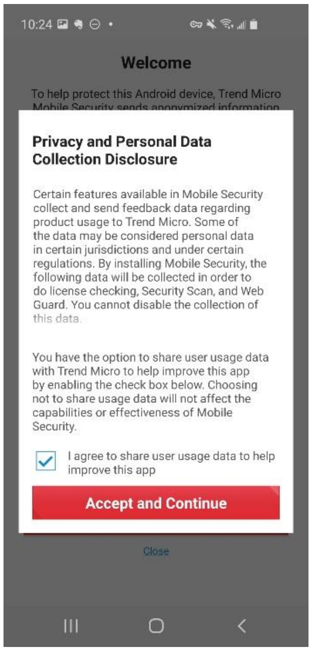
□ I agree to share user usage data to help improve this app

Figure 8. Privacy and Personal Data Collection Disclosure

7. Read the **Privacy and Personal Data Collection Disclosure.** If you agree to the terms, check **I agree to share user usage data to help improve this app**, then tap **Accept and Continue.**

8. The **Welcome** screen appears, with a link to the **Trend Micro License Agreement**.

9. Read the **License Agreement** by tapping the link. If you accept the terms of the license agreement, tap **Accept and Continue**.



10:24

Welcome

To help protect this Android device, Trend Micro Mobile Security sends anonymized information

Privacy and Personal Data Collection Disclosure

Certain features available in Mobile Security collect and send feedback data regarding product usage to Trend Micro. Some of the data may be considered personal data in certain jurisdictions and under certain regulations. By installing Mobile Security, the following data will be collected in order to do license checking, Security Scan, and Web Guard. You cannot disable the collection of this data.

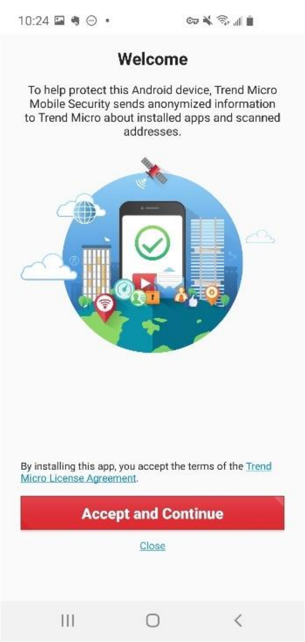
You have the option to share user usage data with Trend Micro to help improve this app by enabling the check box below. Choosing not to share usage data will not affect the capabilities or effectiveness of Mobile Security.

☑ I agree to share user usage data to help improve this app

Accept and Continue

Close

Figure 9. Privacy and Personal Data Collection Disclosure



10:24

Welcome

To help protect this Android device, Trend Micro Mobile Security sends anonymized information to Trend Micro about installed apps and scanned addresses.

By installing this app, you accept the terms of the Trend Micro License Agreement.

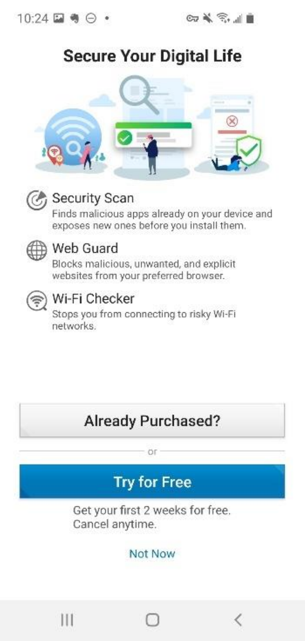
Accept and Continue

Close

Figure 10. Welcome

10. A screen appears inviting you to **Secure Your Digital Life.** You can activate the app by tapping **Already Purchased?** or **Try for Free.**

11. In this example, we tap **Already Purchased?** A popup menu appears, allowing you to **Sign Into Your Account** or **Provide Activation Code.**



10:24

Secure Your Digital Life

Security Scan
Finds malicious apps already on your device and exposes new ones before you install them.

Web Guard
Blocks malicious, unwanted, and explicit websites from your preferred browser.

Wi-Fi Checker
Stops you from connecting to risky Wi-Fi networks.

Already Purchased?

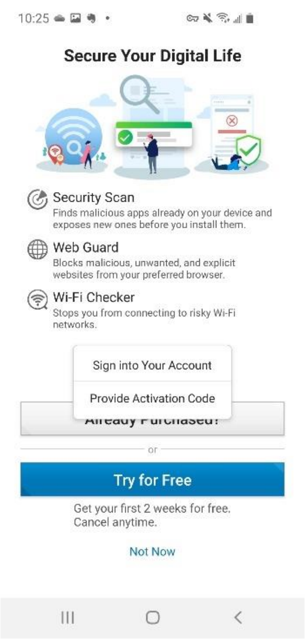
or

Try for Free

Get your first 2 weeks for free. Cancel anytime.

Not Now

Figure 11. Secure Your Digital Life



10:25

Secure Your Digital Life

Security Scan
Finds malicious apps already on your device and exposes new ones before you install them.

Web Guard
Blocks malicious, unwanted, and explicit websites from your preferred browser.

Wi-Fi Checker
Stops you from connecting to risky Wi-Fi networks.

Sign into Your Account

Provide Activation Code

Already Purchased?

or

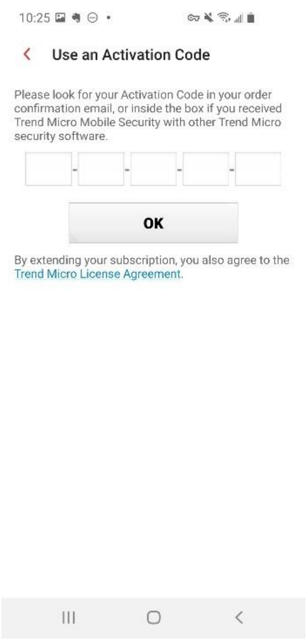
Try for Free

Get your first 2 weeks for free. Cancel anytime.

Not Now

Figure 12. Activation Options

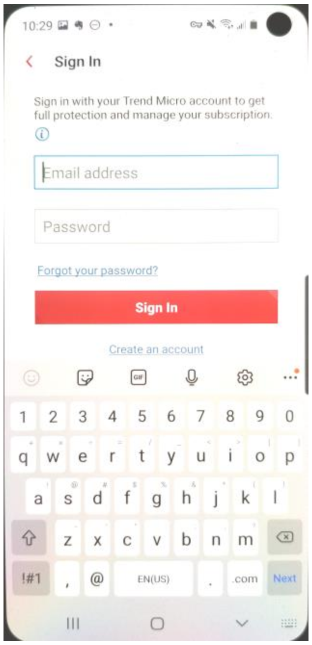
12. Tap **Provide Activation Code** if you already have the code, enter it in, then click **OK** to activate.
13. Or tap **Sign Into Your Account**, if you wish to use an existing subscription, then enter the email address and password to sign into your **Trend Micro Account** and tap **Sign In.**



Please look for your Activation Code in your order confirmation email, or inside the box if you received Trend Micro Mobile Security with other Trend Micro security software.

By extending your subscription, you also agree to the Trend Micro License Agreement.

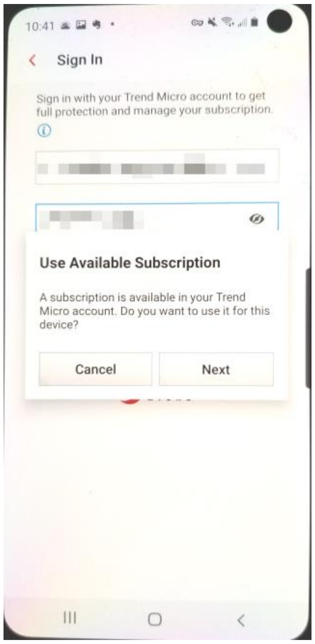
Figure 13. Use an Activation Code



Sign in with your Trend Micro account to get full protection and manage your subscription.

Figure 14. Sign In

14. Once you're in your Trend Micro Account, a popup appears, letting you **Use Available Subscription.**
15. Tap **Next.** A list of available subscriptions appears.
16. Tap the subscription dropdown menu you wish to use. You can transfer a seat or use an unused seat. If you transfer a seat, the subscription will be cancelled on that device.
17. Once you've chosen, tap **Use this subscription** to use the seat.



Sign in with your Trend Micro account to get full protection and manage your subscription.

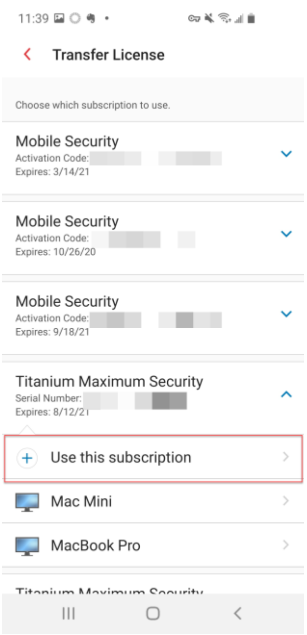
[redacted]

[redacted]

Use Available Subscription

A subscription is available in your Trend Micro account. Do you want to use it for this device?

Figure 15. Use Available Subscription



Choose which subscription to use.

Mobile Security
Activation Code: [redacted]
Expires: 3/14/21

Mobile Security
Activation Code: [redacted]
Expires: 10/26/20

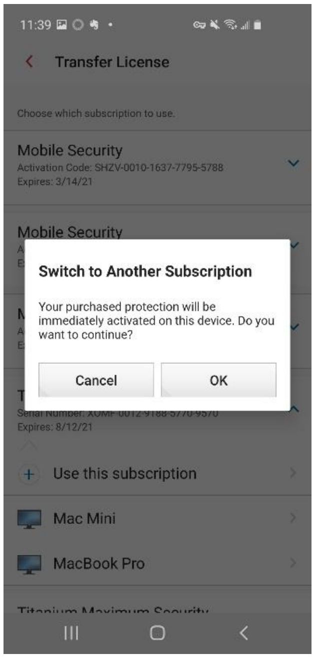
Mobile Security
Activation Code: [redacted]
Expires: 9/18/21

Titanium Maximum Security
Serial Number: [redacted]
Expires: 8/12/21

Figure 16. Use This Subscription

18. A **Switch to Another Subscription** popup appears for you to cancel or continue.

19. Tap **OK** to use the seat in the subscription. **Trend Micro Mobile Security** activates and updates its protection.



11:39

Transfer License

Choose which subscription to use.

Mobile Security
Activation Code: SHZV-0010-1637-7795-5788
Expires: 3/14/21

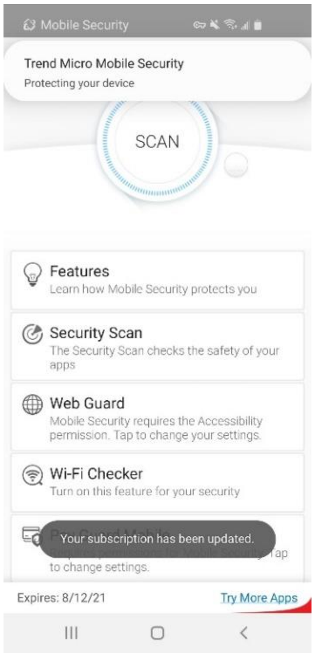
Mobile Security

Switch to Another Subscription

Your purchased protection will be immediately activated on this device. Do you want to continue?

Serial Number: XOMF-0012-9188-5770-9570
Expires: 8/12/21

Figure 17. Switch to Another Subscription



Mobile Security

Trend Micro Mobile Security
Protecting your device

Features
Learn how Mobile Security protects you

Security Scan
The Security Scan checks the safety of your apps

Web Guard
Mobile Security requires the Accessibility permission. Tap to change your settings.

Wi-Fi Checker
Turn on this feature for your security

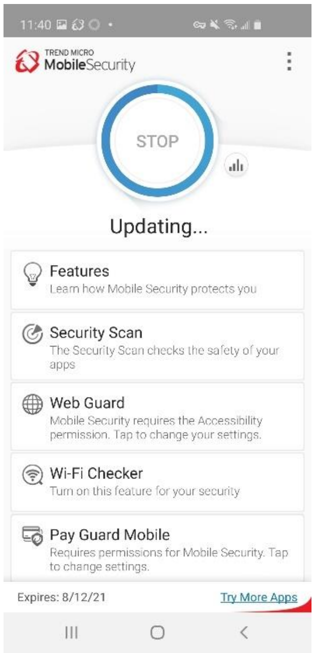
Your subscription has been updated.

to change settings.

Expires: 8/12/21

Figure 18. Subscription Updated

20. When the **Update** is complete, **Trend Micro Mobile Security** conducts a **Device Scan** and returns the result.



11:40

TREND MICRO MobileSecurity

Updating...

Features
Learn how Mobile Security protects you

Security Scan
The Security Scan checks the safety of your apps

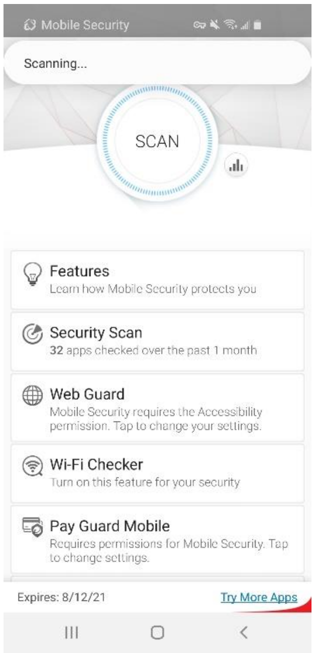
Web Guard
Mobile Security requires the Accessibility permission. Tap to change your settings.

Wi-Fi Checker
Turn on this feature for your security

Pay Guard Mobile
Requires permissions for Mobile Security. Tap to change settings.

Expires: 8/12/21

Figure 19. Updating



Mobile Security

Scanning...

Features
Learn how Mobile Security protects you

Security Scan
32 apps checked over the past 1 month

Web Guard
Mobile Security requires the Accessibility permission. Tap to change your settings.

Wi-Fi Checker
Turn on this feature for your security

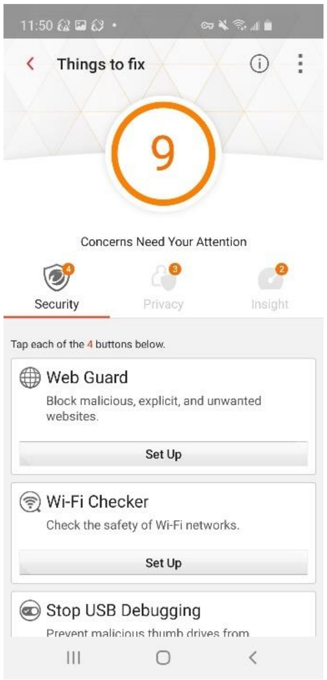
Pay Guard Mobile
Requires permissions for Mobile Security. Tap to change settings.

Expires: 8/12/21

Figure 20. Scanning

21. In this example, **Device Scan** found **9 things to fix**. These are typically **Set Ups** or **Settings** adjustments, which "fix" an Android setting so the feature can work properly in Mobile Security.

22. In the **Security** tab, these include set up items for **Web Guard, Wi-Fi Checker, Stop USB Debugging,** and **Parental Controls.**



11:50

Things to fix

9

Concerns Need Your Attention

Security 4 | Privacy 3 | Insight 2

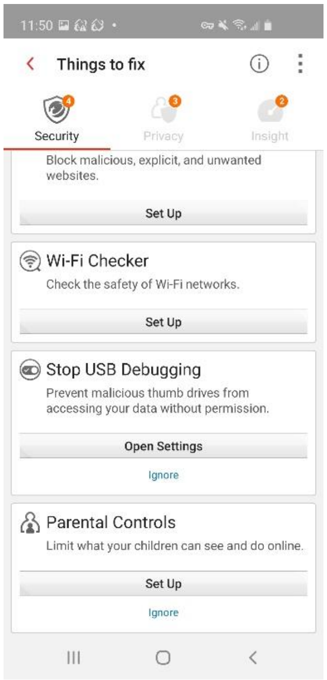
Tap each of the 4 buttons below.

Web Guard
Block malicious, explicit, and unwanted websites.
Set Up

Wi-Fi Checker
Check the safety of Wi-Fi networks.
Set Up

Stop USB Debugging
Prevent malicious thumb drives from

Figure 21. 9 Things to Fix (1)



11:50

Things to fix

Security 4 | Privacy 3 | Insight 2

Block malicious, explicit, and unwanted websites.
Set Up

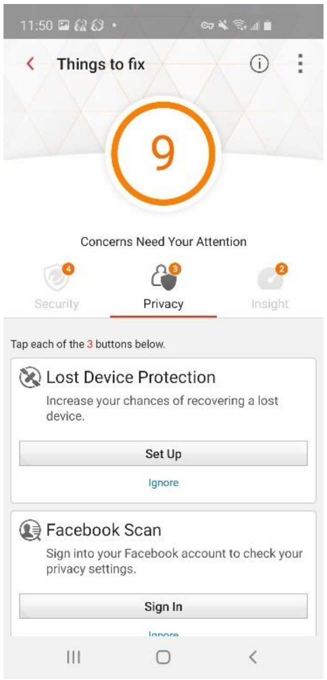
Wi-Fi Checker
Check the safety of Wi-Fi networks.
Set Up

Stop USB Debugging
Prevent malicious thumb drives from accessing your data without permission.
Open Settings
Ignore

Parental Controls
Limit what your children can see and do online.
Set Up
Ignore

Figure 22. Things to Fix (2)

23. In the **Privacy** tab, these include set up items for **Lost Device Protection,** the **Facebook Scan,** and **the Twitter Scan.**



11:50

Things to fix

9

Concerns Need Your Attention

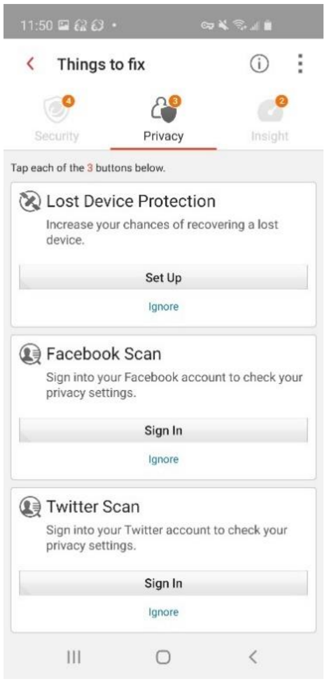
Security 4 | Privacy 3 | Insight 2

Tap each of the 3 buttons below.

Lost Device Protection
Increase your chances of recovering a lost device.
Set Up
Ignore

Facebook Scan
Sign into your Facebook account to check your privacy settings.
Sign In
Ignore

Figure 23. Things to Fix (3)



11:50

Things to fix

Security 4 | Privacy 3 | Insight 2

Tap each of the 3 buttons below.

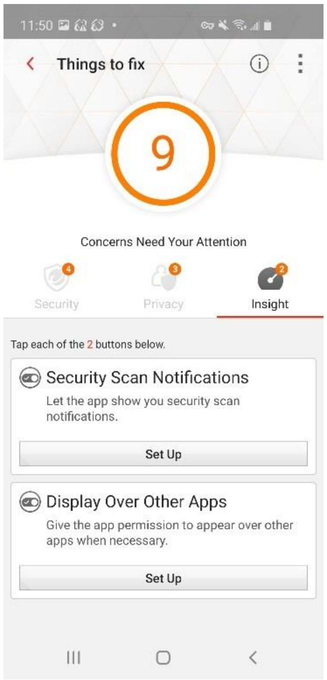
Lost Device Protection
Increase your chances of recovering a lost device.
Set Up
Ignore

Facebook Scan
Sign into your Facebook account to check your privacy settings.
Sign In
Ignore

Twitter Scan
Sign into your Twitter account to check your privacy settings.
Sign In
Ignore

Figure 24. Things to Fix (4)

24. In the **Insight** tab, these include set up items for **Security Scan Notifications** and **Display Over Other Apps.**
25. We'll address these **Things to fix** in the **Device Scan** section in this guide.
26. Congratulations! You may now begin using **Trend Micro Mobile Security.**



Tap each of the 2 buttons below.

Security Scan Notifications
Let the app show you security scan notifications.

Display Over Other Apps
Give the app permission to appear over other apps when necessary.

Figure 25. Things to Fix (5)

Chapter 3: Exploring Trend Micro™ Mobile Security

This chapter provides an overview of Trend Micro Mobile Security (TMMS). Topics discussed in this chapter include:

- Device Scan
- Security Report
- Security Scan (Includes Pre-Installation Scan)
- Web Guard
- Wi-Fi Checker
- Pay Guard Mobile
- System Tuner
- App Manager
- Network Protection
- Parental Controls
- Secret Snap
- Social Network Privacy
- Lost Device Protection
- Demo
- Settings
- Mobile Security on your Android Tablet

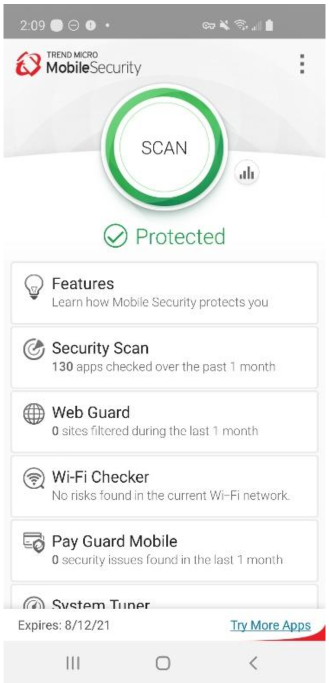
Device Scan

Once installed, **Trend Micro™ Mobile Security** (TMMS) appears in your **Applications** list on your Android mobile device and a shortcut appears on the home screen of your device. Once installed, Mobile Security automatically updates and begins a **Device Scan**, as given in the previous section of this guide.

Continue from the previous section or conduct a **Device Scan** now to get started with **Trend Micro Mobile Security**. This examines your device for problems that need fixing and for preliminary permissions that need to be set up for **Mobile Security** to work properly.

To conduct a Device Scan:

1. Tap the **Trend Micro Mobile Security** icon on your mobile device and the **Mobile Security Console** appears.
2. Tap the **Scan** wheel to conduct a **Device Scan.** The scan begins, showing the progress of the scan. When complete, it shows **x Things to Fix.**



Features
Learn how Mobile Security protects you

Security Scan
130 apps checked over the past 1 month

Web Guard
0 sites filtered during the last 1 month

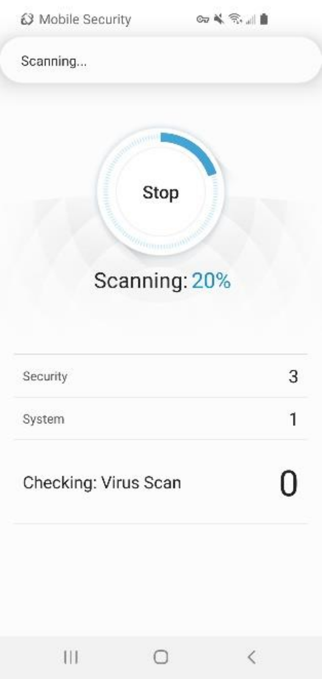
Wi-Fi Checker
No risks found in the current Wi-Fi network.

Pay Guard Mobile
0 security issues found in the last 1 month

System Tuner

Expires: 8/12/21

Figure 26. Console > Device Scan



Scanning...

Scanning: 20%

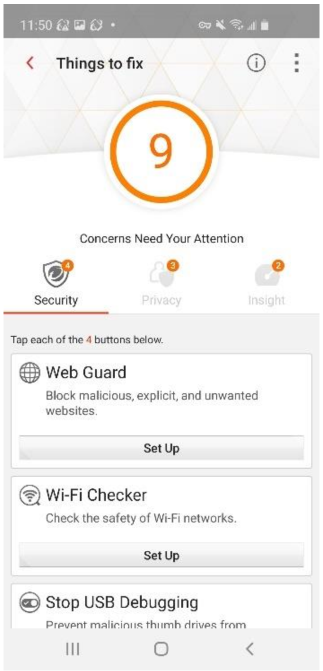
Security 3

System 1

Checking: Virus Scan 0

Figure 27. Scanning…

27. In this example, the **Device Scan** found **9 Things to Fix**, organized into **Security, Privacy,** and **Insight** tabs.
28. In the **Security** tab, tap **Set Up** in the **Web Guard** panel. The **Protection** screen appears with a popup saying **Mobile Security requires the Accessibility permission.**
29. Tap the popup to change your settings. The **Allow Permissions** screen appears.



Concerns Need Your Attention

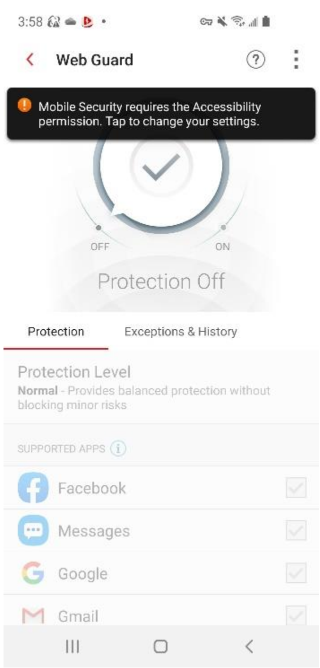
Tap each of the 4 buttons below.

Web Guard
Block malicious, explicit, and unwanted websites.

Wi-Fi Checker
Check the safety of Wi-Fi networks.

Stop USB Debugging
Prevent malicious thumb drives from

Figure 28. 9 Things to Fix

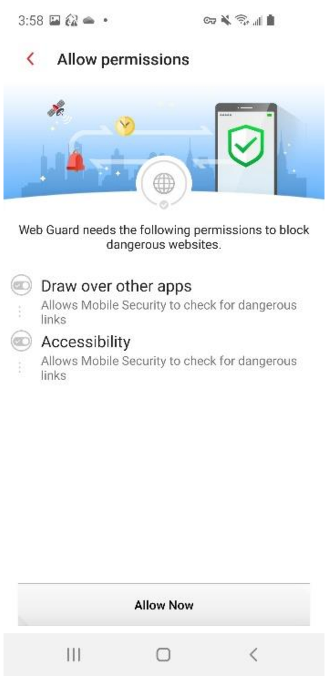


Mobile Security requires the Accessibility permission. Tap to change your settings.

Protection Level
Normal - Provides balanced protection without blocking minor risks

Figure 29. Accessibility Permission Required

30. Tap **Allow Now.** The **Allow Permission** screen appears for Mobile Security.
31. Tap the toggle to **Allow Permission.**

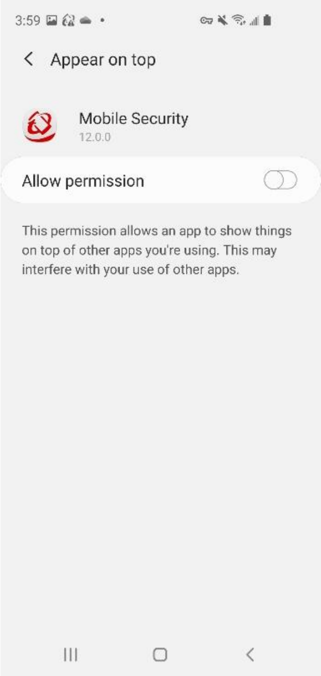


Web Guard needs the following permissions to block dangerous websites.

Draw over other apps
Allows Mobile Security to check for dangerous links

Accessibility
Allows Mobile Security to check for dangerous links

Figure 30. Allow Now

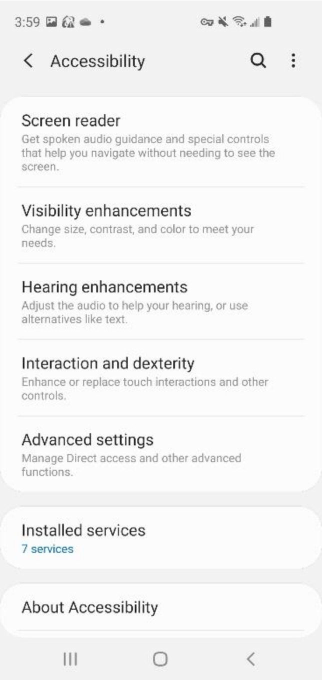


Allow permission ○

This permission allows an app to show things on top of other apps you're using. This may interfere with your use of other apps.

Figure 31. Allow Permission

32. The **Accessibility** screen appears.
33. Tap **Installed Services.** The **Installed Services** screen appears.
34. Scroll down the window if need be and tap **Trend Micro Mobile Security.**


3:59

Accessibility

Screen reader
Get spoken audio guidance and special controls that help you navigate without needing to see the screen.

Visibility enhancements
Change size, contrast, and color to meet your needs.

Hearing enhancements
Adjust the audio to help your hearing, or use alternatives like text.

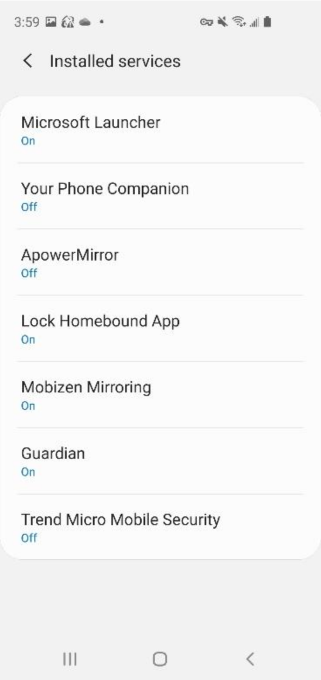
Interaction and dexterity
Enhance or replace touch interactions and other controls.

Advanced settings
Manage Direct access and other advanced functions.

Installed services
7 services

About Accessibility

Figure 32. Installed Services


3:59

Installed services

Microsoft Launcher
On

Your Phone Companion
Off

ApowerMirror
Off

Lock Homebound App
On

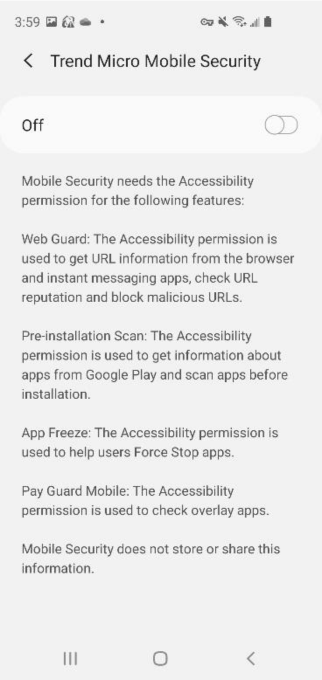
Mobizen Mirroring
On

Guardian
On

Trend Micro Mobile Security
Off

Figure 33. Trend Micro Mobile Security

35. The **Accessibility Permissions** screen for **Trend Micro Mobile Security** appears.
36. Tap the toggle to turn it **On**.
37. A popup appears, asking if you want to Allow **Trend Micro Mobile Security** to have full control of your phone?
38. Tap **Allow**.


3:59

Trend Micro Mobile Security

Off

Mobile Security needs the Accessibility permission for the following features:

Web Guard: The Accessibility permission is used to get URL information from the browser and instant messaging apps, check URL reputation and block malicious URLs.

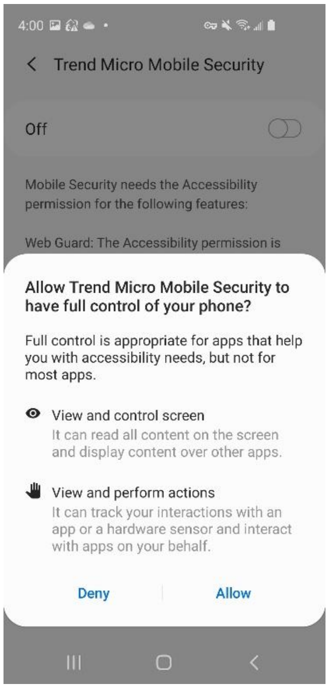
Pre-installation Scan: The Accessibility permission is used to get information about apps from Google Play and scan apps before installation.

App Freeze: The Accessibility permission is used to help users Force Stop apps.

Pay Guard Mobile: The Accessibility permission is used to check overlay apps.

Mobile Security does not store or share this information.

Figure 34. Turn Toggle On


4:00

Trend Micro Mobile Security

Off

Mobile Security needs the Accessibility permission for the following features:

Web Guard: The Accessibility permission is

Allow Trend Micro Mobile Security to have full control of your phone?

Full control is appropriate for apps that help you with accessibility needs, but not for most apps.

View and control screen
It can read all content on the screen and display content over other apps.

View and perform actions
It can track your interactions with an app or a hardware sensor and interact with apps on your behalf.

Deny Allow

Figure 35. Allow Control

39. The **Permission Allowed** screen appears.

40. Back in the **Web Guard Protection** tab, a popup indicates **You Are Now Protected.**

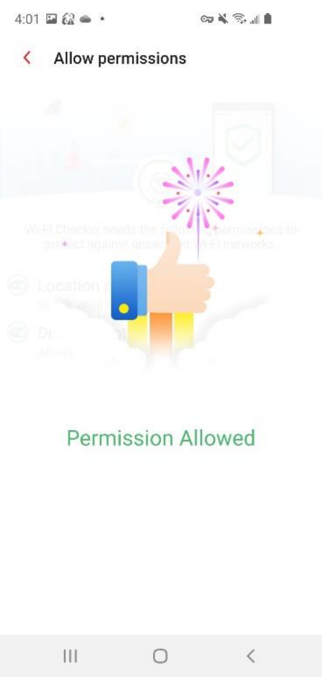
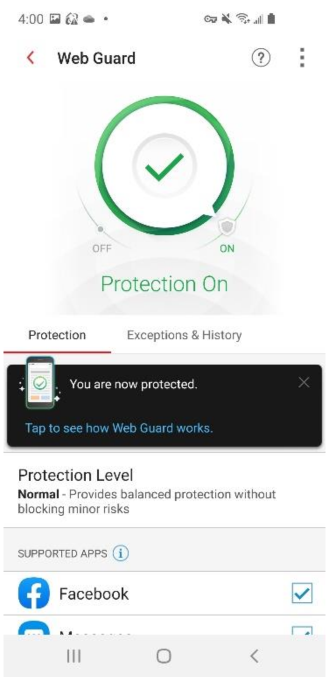


Figure 36. Permission Allowed



You are now protected.

Tap to see how Web Guard works.

Normal - Provides balanced protection without blocking minor risks

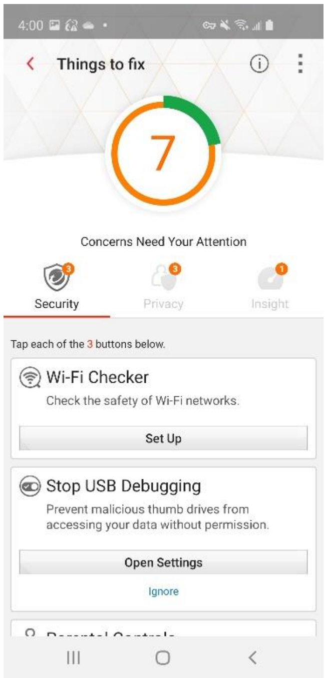
Figure 37. You Are Now Protected

41. Tap the back arrow to return to **Things to Fix.**

42. Tap **Set Up** for **Wi-Fi Checker.**

43. The **Wi-Fi Checker** screen appears, with a popup indicating **Mobile Security** needs permissions to use this feature.

44. Tap the popup or toggle to turn on **Wi-Fi Checker**. The **Allow Permissions** screen appears.

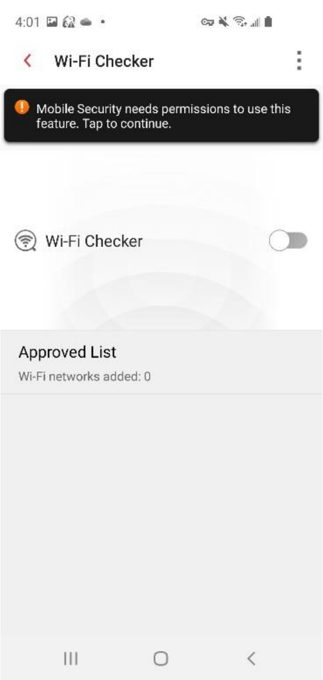


Tap each of the 3 buttons below.

Check the safety of Wi-Fi networks.

Prevent malicious thumb drives from accessing your data without permission.

Figure 38. Wi-Fi Checker



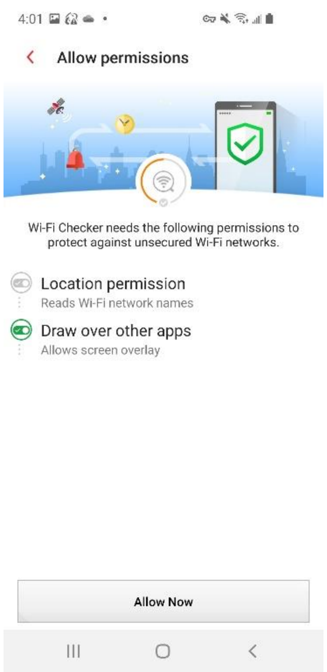
Mobile Security needs permissions to use this feature. Tap to continue.

Wi-Fi networks added: 0

Figure 39. Turn Toggle On

45. Tap **Allow Now.** A popup appears, with the options to **Allow all the time,** or **Allow only while using the app.**

46. In this example, tap **Allow all the time.**



4:01

Allow permissions

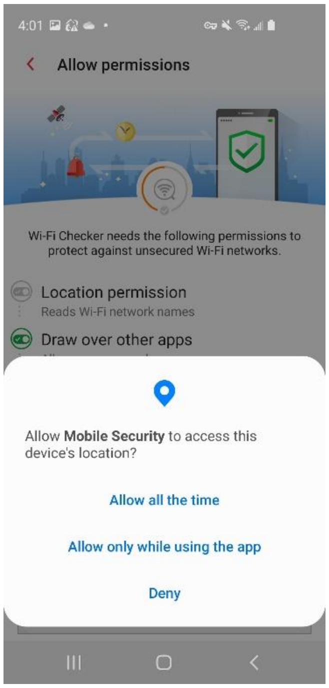
Wi-Fi Checker needs the following permissions to protect against unsecured Wi-Fi networks.

Location permission
Reads Wi-Fi network names

Draw over other apps
Allows screen overlay

Allow Now

Figure 40. Allow Now



4:01

Allow permissions

Wi-Fi Checker needs the following permissions to protect against unsecured Wi-Fi networks.

Location permission
Reads Wi-Fi network names

Draw over other apps

Allow **Mobile Security** to access this device's location?

Allow all the time

Allow only while using the app

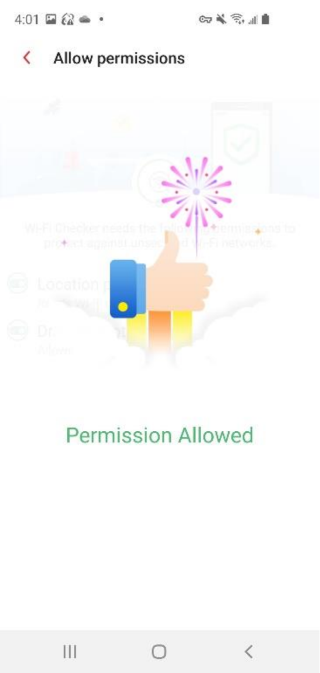
Deny

Figure 41. Allow All The Time

47. The **Permission Allowed** screen appears.

48. Back in the **Wi-Fi Checker** screen, the **Wi-Fi Checker** toggle is now **On**.

49. Use the back-arrow to return to **Things to fix.**

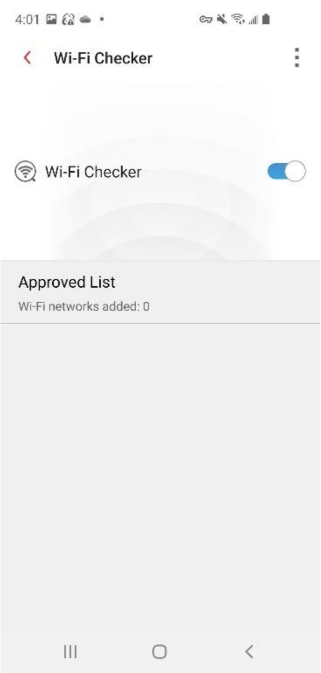


4:01

Allow permissions

Permission Allowed

Figure 42. Permission Allowed



4:01

Wi-Fi Checker

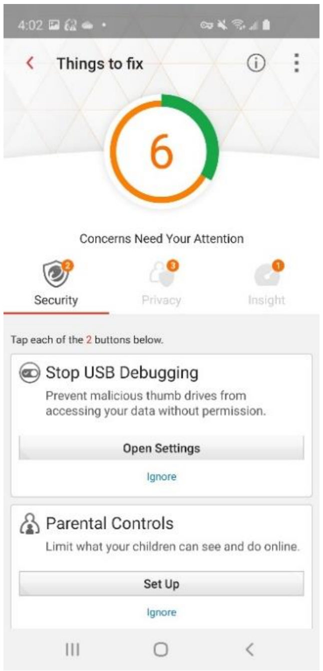
Wi-Fi Checker

Approved List
Wi-Fi networks added: 0

Figure 43. Wi-Fi Checker Toggle is On

50. Tap **Open Settings** to **Stop USB Debugging.**

51. Scroll down to the **USB Debugging** toggle and turn it **Off**.



4:02

Things to fix

6

Concerns Need Your Attention

Security 2 | Privacy 3 | Insight 1

Tap each of the 2 buttons below.

Stop USB Debugging

Prevent malicious thumb drives from accessing your data without permission.

Open Settings

Ignore

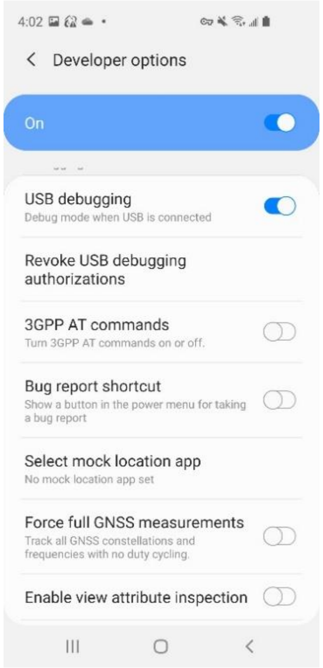
Parental Controls

Limit what your children can see and do online.

Set Up

Ignore

Figure 44. Stop USB Debugging



4:02

Developer options

On ●

USB debugging — Debug mode when USB is connected ●

Revoke USB debugging authorizations

3GPP AT commands — Turn 3GPP AT commands on or off. ○

Bug report shortcut — Show a button in the power menu for taking a bug report ○

Select mock location app — No mock location app set

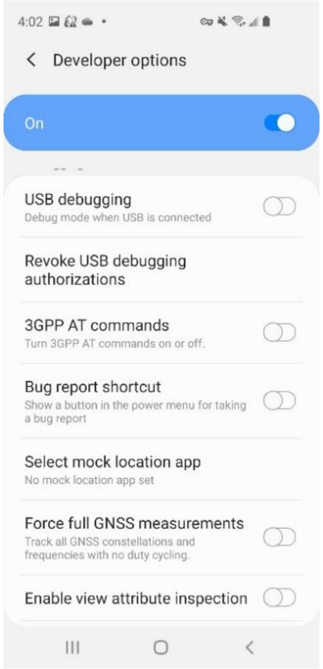
Force full GNSS measurements — Track all GNSS constellations and frequencies with no duty cycling. ○

Enable view attribute inspection ○

Figure 45. Toggle USB Debugging Off

52. Tap the back arrow to exit the **Developer Options** screen.

53. Back in **Things to fix**, tap **Set Up** for **Parental Controls**. The **Lock Screen** appears.



4:02

Developer options

On ●

USB debugging — Debug mode when USB is connected ○

Revoke USB debugging authorizations

3GPP AT commands — Turn 3GPP AT commands on or off. ○

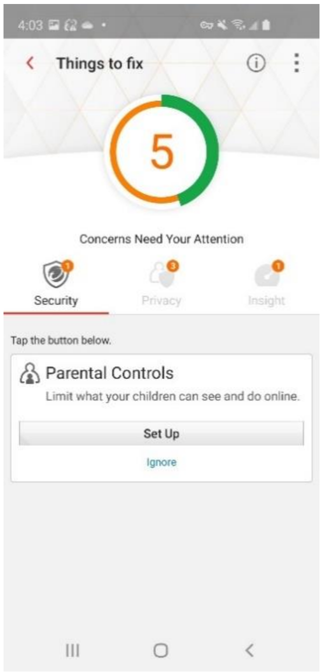
Bug report shortcut — Show a button in the power menu for taking a bug report ○

Select mock location app — No mock location app set

Force full GNSS measurements — Track all GNSS constellations and frequencies with no duty cycling. ○

Enable view attribute inspection ○

Figure 46. USB Debugging Off



4:03

Things to fix

5

Concerns Need Your Attention

Security 1 | Privacy 3 | Insight 1

Tap the button below.

Parental Controls

Limit what your children can see and do online.

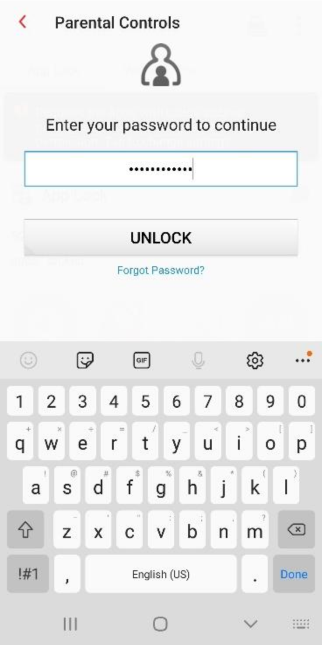
Set Up

Ignore

Figure 47. Parental Controls Set Up

54. Enter your **Trend Micro Account** password to continue, then tap **Unlock**.

55. A popup appears, indicating **Parental Controls Requires the Apps with usage access permission and the Draw over other apps permission.**



Parental Controls

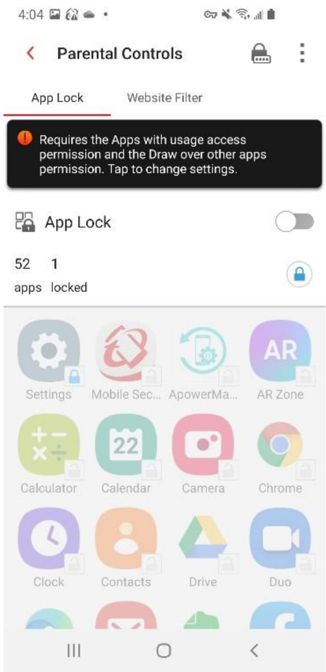
Enter your password to continue

••••••••••••

UNLOCK

Forgot Password?

Figure 48. Unlock



4:04

Parental Controls

App Lock | Website Filter

Requires the Apps with usage access permission and the Draw over other apps permission. Tap to change settings.

App Lock

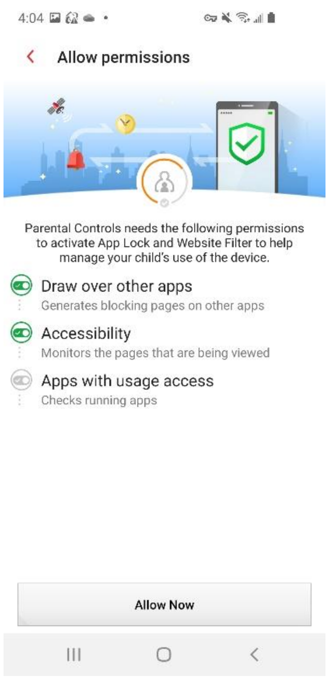
52 apps 1 locked

Figure 49. Needs Usage Access

56. Tap the popup or **App Lock** toggle to **On**. The **Allow Permissions** screen appears.

57. Tap **Allow Now.** The **Usage Data Access** screen appears.

58. Scroll down to **Mobile Security** and tap the panel to allow usage tracking. A toggle appears.



4:04

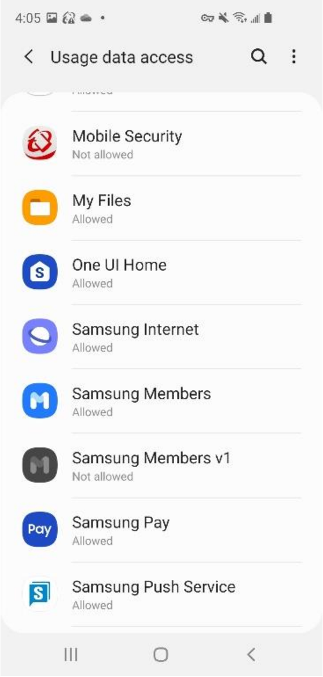
Allow permissions

Parental Controls needs the following permissions to activate App Lock and Website Filter to help manage your child's use of the device.

- Draw over other apps
  Generates blocking pages on other apps
- Accessibility
  Monitors the pages that are being viewed
- Apps with usage access
  Checks running apps

Allow Now

Figure 50. Allow Now



4:05

Usage data access

Mobile Security
Not allowed

My Files
Allowed

One UI Home
Allowed

Samsung Internet
Allowed

Samsung Members
Allowed

Samsung Members v1
Not allowed

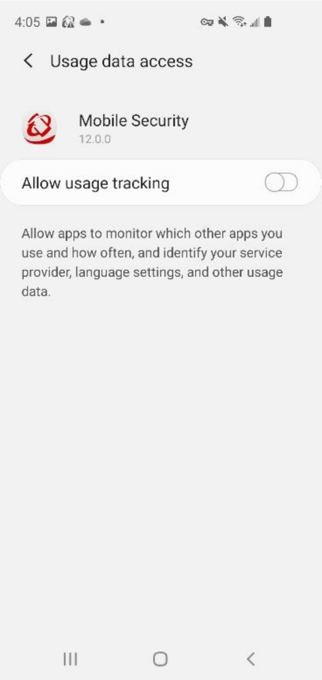
Samsung Pay
Allowed

Samsung Push Service
Allowed

Figure 51. Mobile Security

59. In the **Usage Data Access** screen, toggle the **Allow Usage Tracking** to **On**.

60. The **Permission Allowed** screen appears.



Allow apps to monitor which other apps you use and how often, and identify your service provider, language settings, and other usage data.

Figure 52. Turn Toggle On

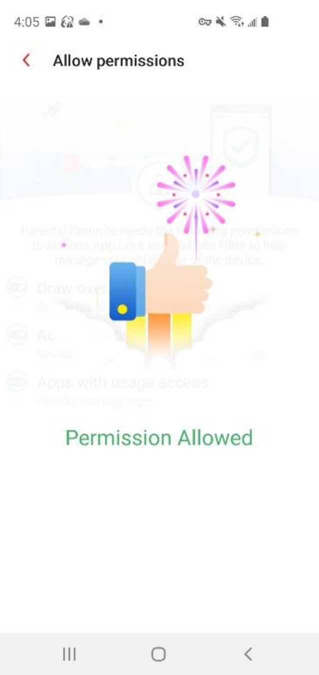


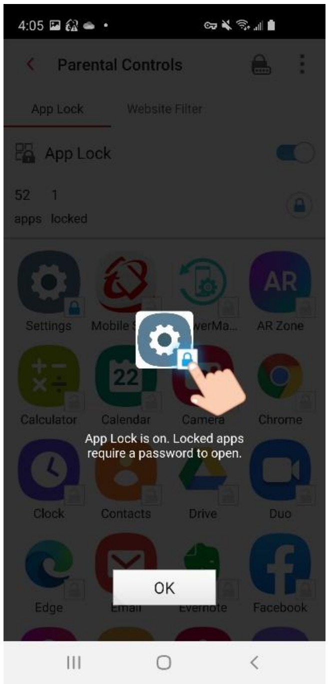
Figure 53. Permission Allowed

61. An instruction screen then appears, indicating that **App Lock is On. Locked apps require a password to open.**

62. Tap **OK** to close the instruction screen.

63. **App Lock** is toggled **On**.

64. Tap the **Website Filter** tab to access the control.



App Lock is on. Locked apps require a password to open.

Figure 54. Instruction Screen

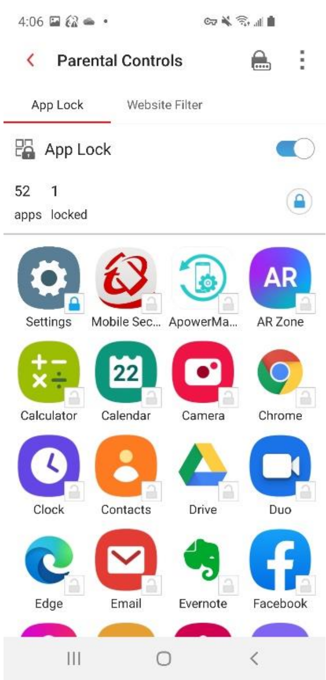


Figure 55. App Lock On

65. Tap the **Website Filter** toggle to **On**. An instruction screen appears, indicating how to select the **Protection Level** you want.
66. Tap **Close** to close the instructions screen.

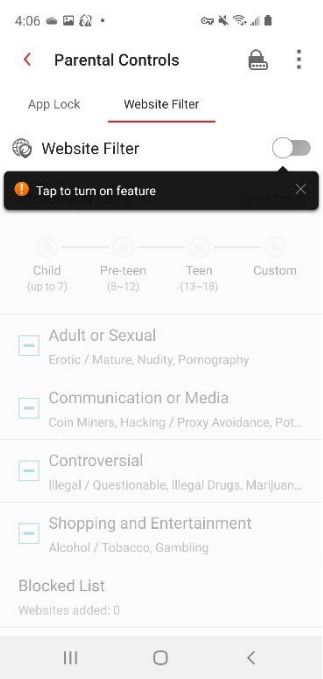

4:06
Parental Controls
App Lock | Website Filter
Website Filter
Tap to turn on feature
Child (up to 7) | Pre-teen (8~12) | Teen (13~18) | Custom
Adult or Sexual
Erotic / Mature, Nudity, Pornography
Communication or Media
Coin Miners, Hacking / Proxy Avoidance, Pot...
Controversial
Illegal / Questionable, Illegal Drugs, Marijuan...
Shopping and Entertainment
Alcohol / Tobacco, Gambling
Blocked List
Websites added: 0

Figure 56. Turn Toggle On

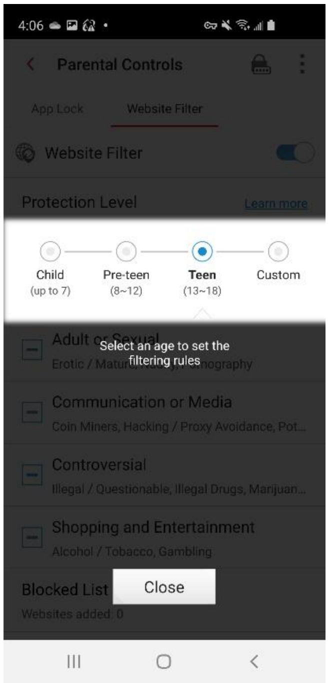

4:06
Parental Controls
App Lock | Website Filter
Website Filter
Protection Level Learn more
Child (up to 7) | Pre-teen (8~12) | Teen (13~18) | Custom
Select an age to set the filtering rules
Adult or Sexual
Erotic / Mature, Nudity, Pornography
Communication or Media
Coin Miners, Hacking / Proxy Avoidance, Pot...
Controversial
Illegal / Questionable, Illegal Drugs, Marijuan...
Shopping and Entertainment
Alcohol / Tobacco, Gambling
Blocked List
Websites added: 0
Close

Figure 57. Select an Age

67. Here, we use the default **Teen Protection Level** selected. This completes the **Parental Controls** Website Filter setup for this child's phone.
68. Back in the **Things to Fix,** the **Security** tab shows **Good News.** You have no concerns additional **Security** concerns to fix.

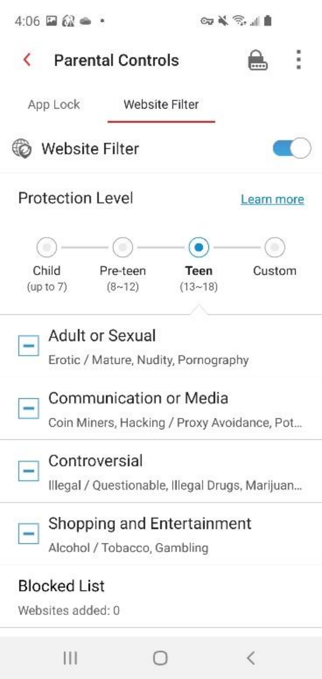

4:06
Parental Controls
App Lock | Website Filter
Website Filter
Protection Level Learn more
Child (up to 7) | Pre-teen (8~12) | Teen (13~18) | Custom
Adult or Sexual
Erotic / Mature, Nudity, Pornography
Communication or Media
Coin Miners, Hacking / Proxy Avoidance, Pot...
Controversial
Illegal / Questionable, Illegal Drugs, Marijuan...
Shopping and Entertainment
Alcohol / Tobacco, Gambling
Blocked List
Websites added: 0

Figure 58. Teen Level On

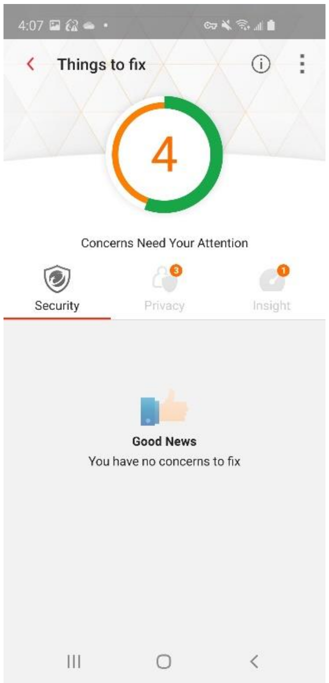
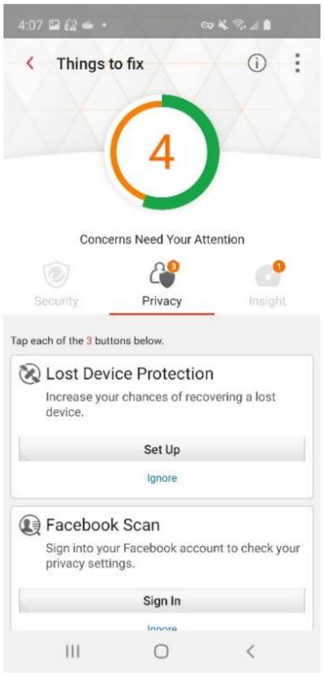

4:07
Things to fix
4
Concerns Need Your Attention
Security | Privacy 3 | Insight 1
Good News
You have no concerns to fix

Figure 59. Good News

69. Tap the **Privacy** tab to see **Set Up** for **Lost Device Protection, Facebook Scan,** and **Twitter Scan.**

70. Tap **Set Up** in the **Lost Device Protection** panel. The **Lock** screen appears.

71. Enter your Trend Micro Account **Password** to continue, then tap **Unlock**.



Concerns Need Your Attention

Tap each of the 3 buttons below.

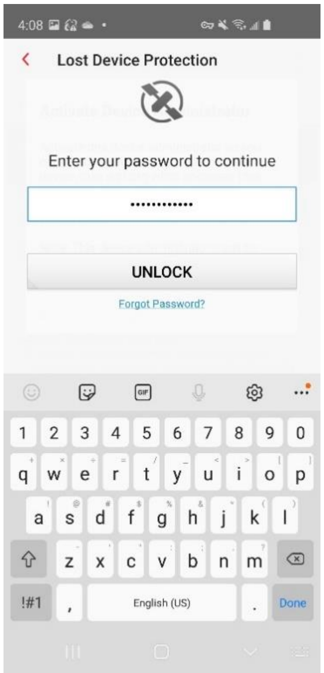
Lost Device Protection

Increase your chances of recovering a lost device.

Facebook Scan

Sign into your Facebook account to check your privacy settings.

Figure 60. Lost Device Protection



Enter your password to continue

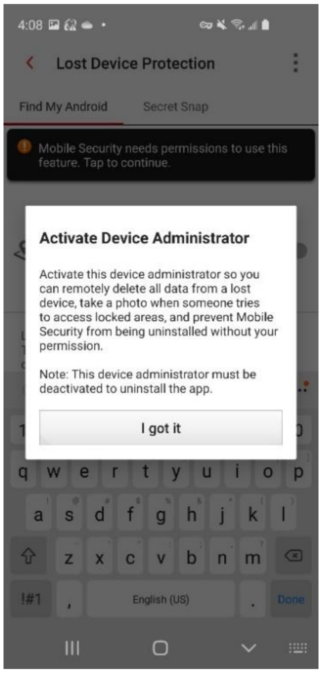
••••••••••••

Figure 61. Unlock

72. A popup appears for you to **Activate Device Administrator.** This allows you to remotely delete all data from a lost device, take a photo when someone tries to access your locked areas, and prevents Mobile Security from being uninstalled without your permission.

73. Tap **I got it.** The **Find My Android** tab opens.

74. Permission is required. Tap **Find My Android** to toggle it **On**.



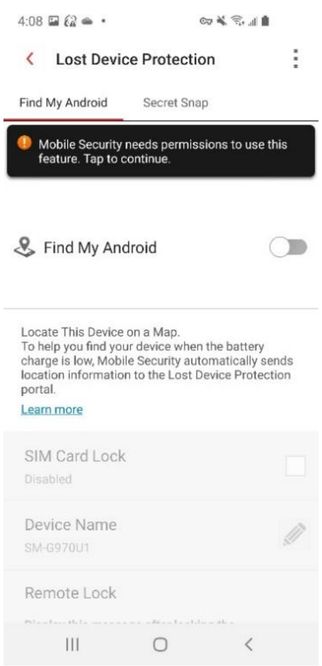
Mobile Security needs permissions to use this feature. Tap to continue.

Activate Device Administrator

Activate this device administrator so you can remotely delete all data from a lost device, take a photo when someone tries to access locked areas, and prevent Mobile Security from being uninstalled without your permission.

Note: This device administrator must be deactivated to uninstall the app.

Figure 62. Activate Device Administrator

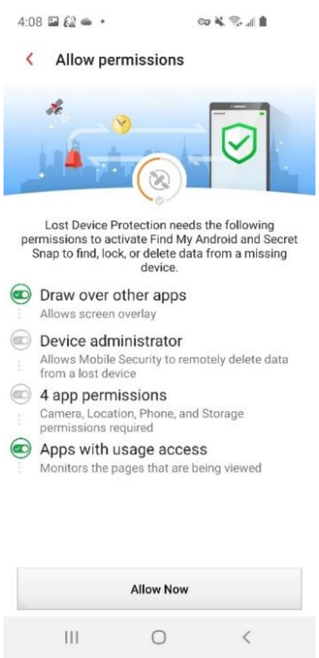


Mobile Security needs permissions to use this feature. Tap to continue.

Locate This Device on a Map.
To help you find your device when the battery charge is low, Mobile Security automatically sends location information to the Lost Device Protection portal.

Figure 63. Find My Android Permission Required

75. The **Allow Permissions** screen appears.
76. Tap **Allow Now** to proceed.
77. The **Activate Device Admin App** screen appears.
78. Tap **Activate** to activate **Device Administrator.** You're then presented with a series of screens to allow the various permissions



4:08

Allow permissions

Lost Device Protection needs the following permissions to activate Find My Android and Secret Snap to find, lock, or delete data from a missing device.

Draw over other apps
Allows screen overlay

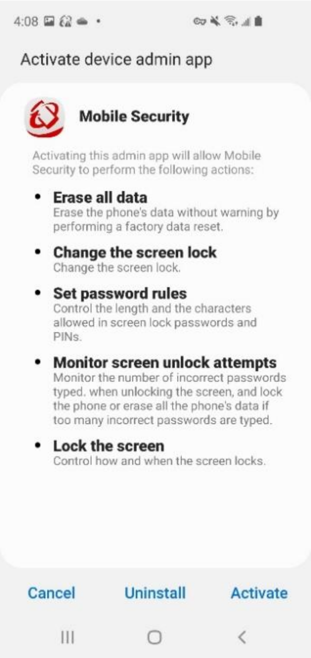
Device administrator
Allows Mobile Security to remotely delete data from a lost device

4 app permissions
Camera, Location, Phone, and Storage permissions required

Apps with usage access
Monitors the pages that are being viewed

Allow Now

Figure 64. Allow Now



4:08

Activate device admin app

Mobile Security

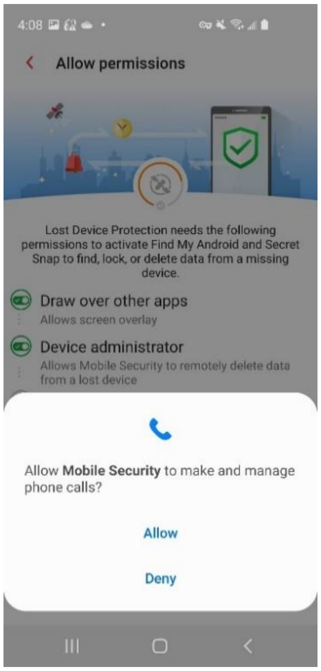
Activating this admin app will allow Mobile Security to perform the following actions:

- **Erase all data**
  Erase the phone's data without warning by performing a factory data reset.
- **Change the screen lock**
  Change the screen lock.
- **Set password rules**
  Control the length and the characters allowed in screen lock passwords and PINs.
- **Monitor screen unlock attempts**
  Monitor the number of incorrect passwords typed. when unlocking the screen, and lock the phone or erase all the phone's data if too many incorrect passwords are typed.
- **Lock the screen**
  Control how and when the screen locks.

Cancel Uninstall Activate

Figure 65. Activate Device Admin

79. Tap **Allow** to allow Mobile Security to make and manage phone calls.
80. Tap **Allow** to allow Mobile Security to take pictures and record video.



4:08

Allow permissions

Lost Device Protection needs the following permissions to activate Find My Android and Secret Snap to find, lock, or delete data from a missing device.

Draw over other apps
Allows screen overlay

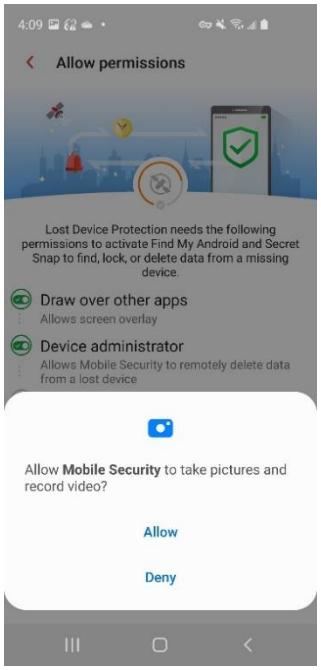
Device administrator
Allows Mobile Security to remotely delete data from a lost device

Allow **Mobile Security** to make and manage phone calls?

Allow

Deny

Figure 66. Allow Phone Calls



4:09

Allow permissions

Lost Device Protection needs the following permissions to activate Find My Android and Secret Snap to find, lock, or delete data from a missing device.

Draw over other apps
Allows screen overlay

Device administrator
Allows Mobile Security to remotely delete data from a lost device

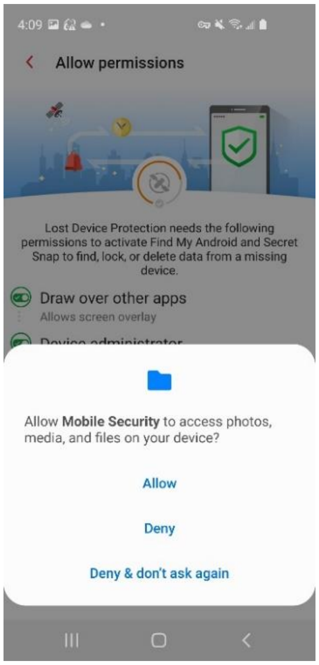
Allow **Mobile Security** to take pictures and record video?

Allow

Deny

Figure 67. Allow Pictures and Videos

81. Tap **Allow** to allow Mobile Security to access photos, media, and files on your device.
82. Once complete, the **Permission Allowed** screen appears.



Allow permissions

Lost Device Protection needs the following permissions to activate Find My Android and Secret Snap to find, lock, or delete data from a missing device.

Draw over other apps
Allows screen overlay

Device administrator

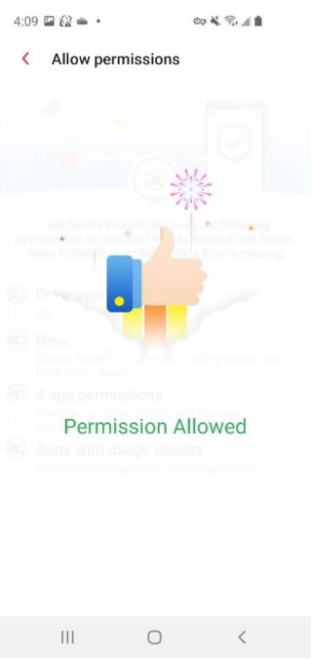
Allow **Mobile Security** to access photos, media, and files on your device?

Allow

Deny

Deny & don't ask again

Figure 68. Allow Photos, Media, and Files

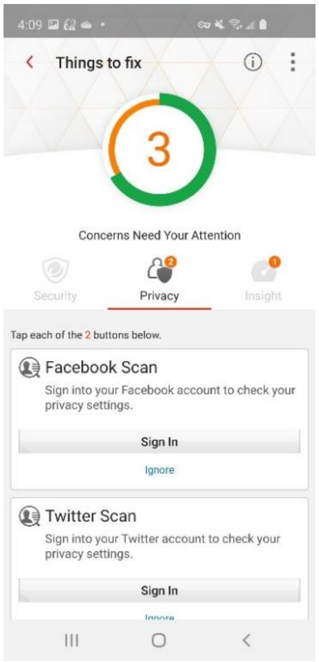


Allow permissions

Permission Allowed

Figure 69. Permission Allowed

83. Tap the back arrow to return to the **Things to Fix screen.**
84. You may now check your **Facebook** and **Twitter** privacy settings. Otherwise, tap **Insights** to skip to **Security Scan Notifications** set up at the end of this section.
85. Tap **Sign In** to conduct a **Facebook Scan**.
86. Tap **Sign Into Facebook** to sign in.



Things to fix

Concerns Need Your Attention

Tap each of the 2 buttons below.

Facebook Scan
Sign into your Facebook account to check your privacy settings.

Sign In

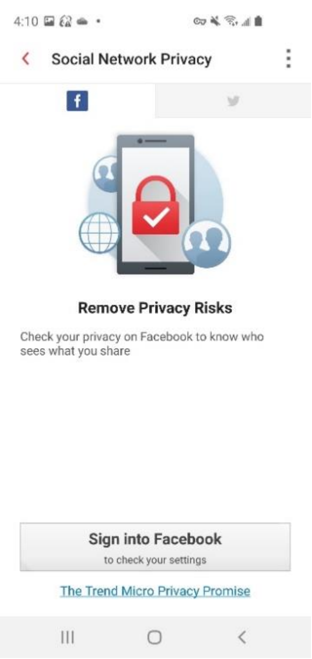
Ignore

Twitter Scan
Sign into your Twitter account to check your privacy settings.

Sign In

Ignore

Figure 70. Facebook and Twitter Scans



Social Network Privacy

Remove Privacy Risks

Check your privacy on Facebook to know who sees what you share

Sign into Facebook
to check your settings

The Trend Micro Privacy Promise

Figure 71. Sign Into Facebook

87. Enter your mobile number or email address and password, then tap **Log In.**

88. Mobile Security scans your **Social Network Privacy** settings for **Facebook**.

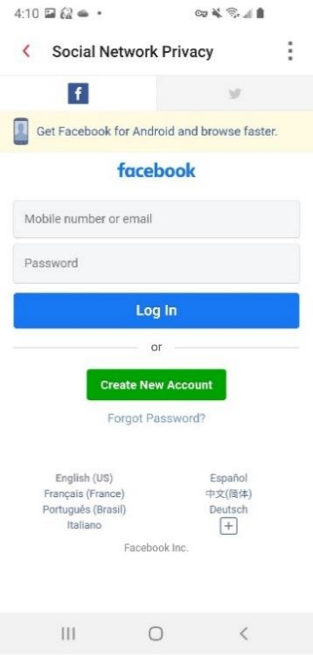


Figure 72. Facebook Log In

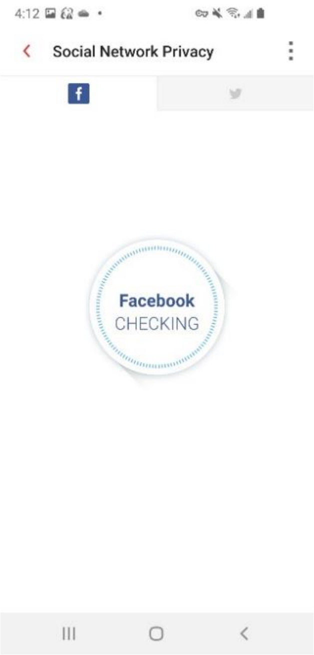


Figure 73. Checking Facebook

89. In this example, no privacy concerns were found.

90. Tap the back arrow to initiate a **Twitter Scan**, then tap **Sign In.**

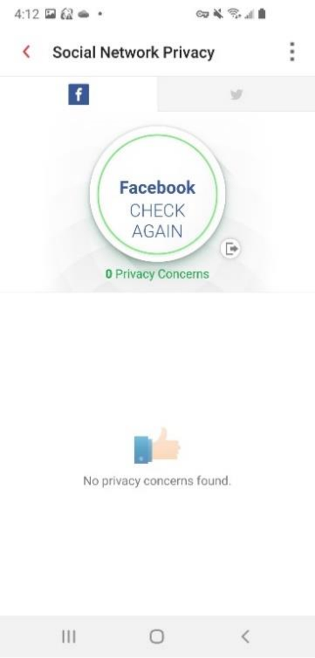
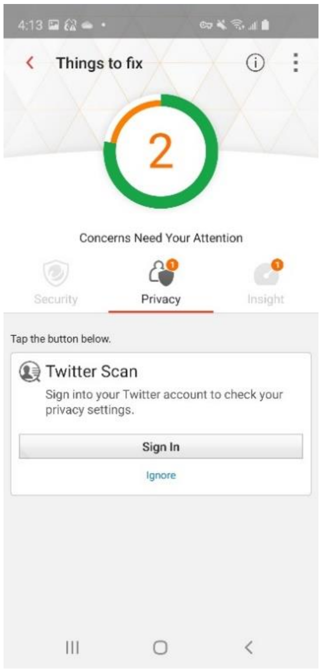


Figure 73. No Privacy Concerns Found

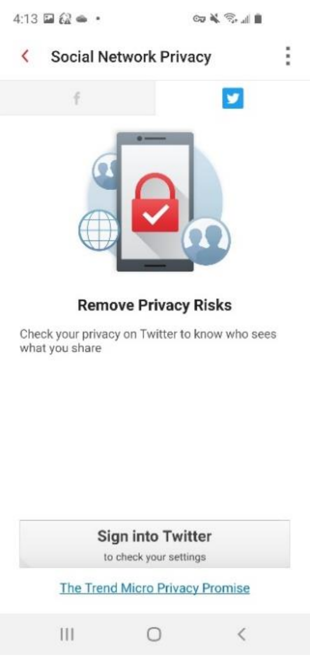


Sign into your Twitter account to check your privacy settings.

Figure 74. Twitter Scan

91. A screen appears; tap **Sign Into Twitter.**

92. Enter your phone, email, or username, then your password and tap **Log In.**



Check your privacy on Twitter to know who sees what you share

Figure 75. Sign Into Twitter

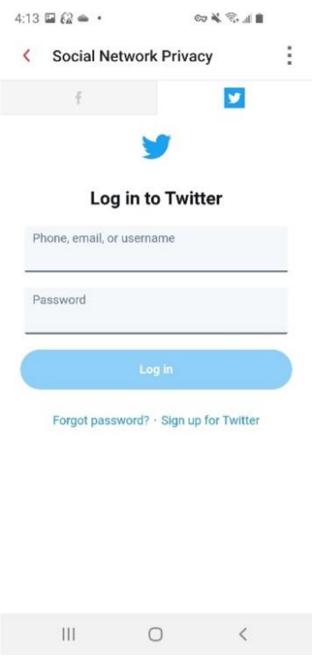

4:13
Social Network Privacy
Log in to Twitter
Phone, email, or username
Password
Log in
Forgot password? · Sign up for Twitter

Figure 76. Log In To Twitter

93. Mobile Security checks your **Social Network Privacy** settings for **Twitter**.

94. In this example, no privacy concerns were found.

95. Check the **Social Network Privacy** section in this guide for more details about editing privacy settings when privacy concerns are found.

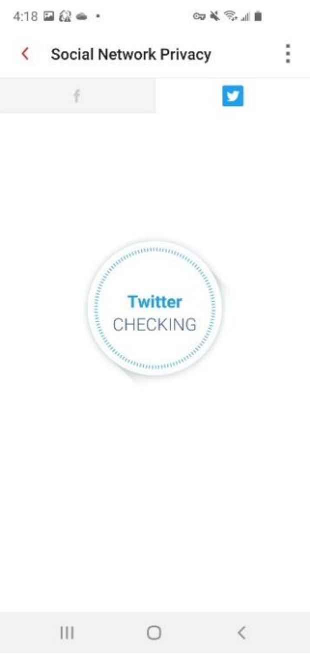
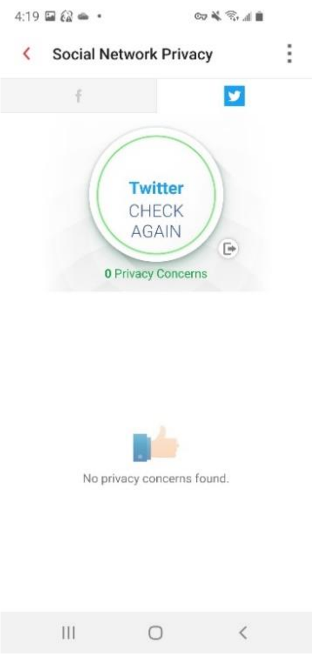


Figure 77. Checking Twitter



No privacy concerns found.

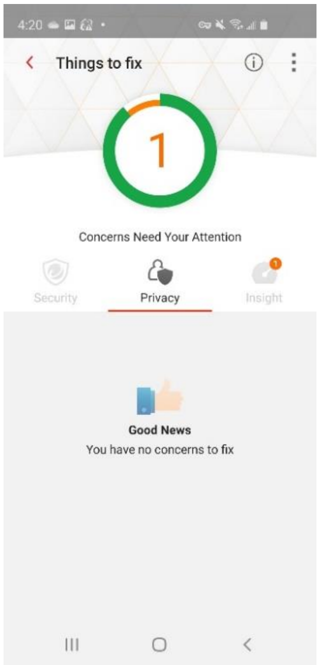
Figure 78. No Privacy Concerns Found

96. Tap the back arrow to return to **Things to Fix.**

97. The **Privacy** screen shows **Good News.** You have no privacy concerns to fix.

98. Tap the **Insight** tab to address the remaining Things to Fix.

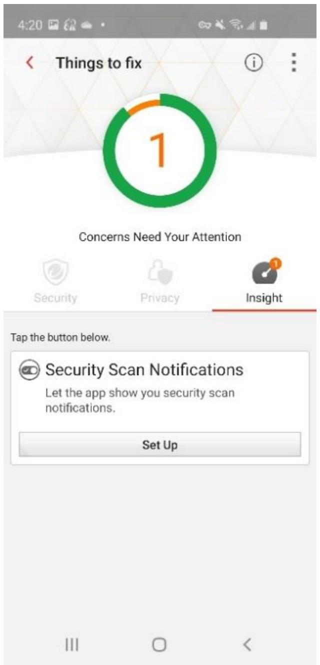
99. Tap **Set Up** for **Security Scan Notifications.**



Good News

You have no concerns to fix

Figure 79. Good News



Tap the button below.

Security Scan Notifications

Let the app show you security scan notifications.

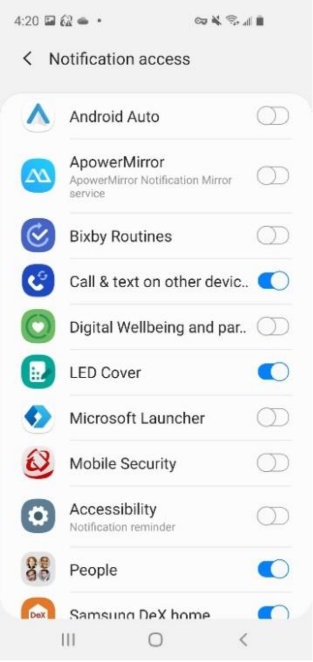
Figure 80. Security Scan Notifications

100. The **Notifications Access** screen appears.

101. Tap **Mobile Security** to toggle it **On**. A popup appears, asking you to **Allow Mobile Security to read your notifications.**

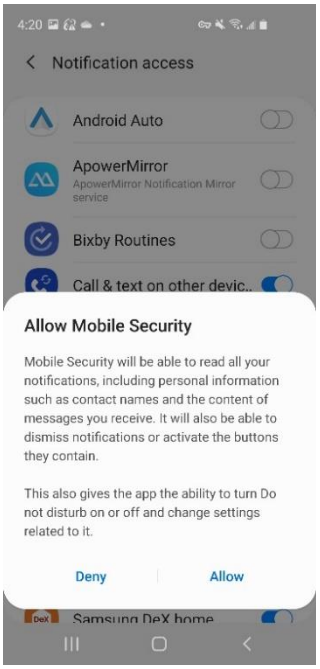
102. Tap **Allow** to allow the settings. The toggle shows **On**.

103. Tap the back arrow to return to the **Things to Fix** screen.



- Android Auto ○
- ApowerMirror (ApowerMirror Notification Mirror service) ○
- Bixby Routines ○
- Call & text on other devic.. ●
- Digital Wellbeing and par.. ○
- LED Cover ●
- Microsoft Launcher ○
- Mobile Security ○
- Accessibility (Notification reminder) ○
- People ●
- Samsung DeX home ●

Figure 81. Notification Access



Allow Mobile Security

Mobile Security will be able to read all your notifications, including personal information such as contact names and the content of messages you receive. It will also be able to dismiss notifications or activate the buttons they contain.

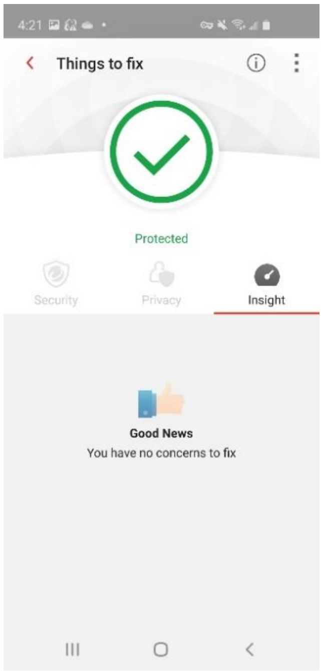
This also gives the app the ability to turn Do not disturb on or off and change settings related to it.

Figure 82. Allow Mobile Security to Read Notifications

104. The **Insight** tab shows **Good News**. You have no remaining concerns to fix.

105. Tap the back arrow to return to the main **Console**.

106. The **Scan** button shows you're now completely **Protected**.



4:21

Things to fix

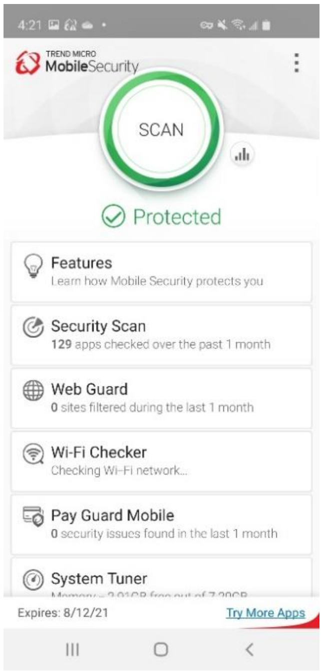
Protected

Security · Privacy · Insight

Good News

You have no concerns to fix

Figure 83. Good News



4:21

TREND MICRO MobileSecurity

SCAN

Protected

Features
Learn how Mobile Security protects you

Security Scan
129 apps checked over the past 1 month

Web Guard
0 sites filtered during the last 1 month

Wi-Fi Checker
Checking Wi-Fi network...

Pay Guard Mobile
0 security issues found in the last 1 month

System Tuner

Expires: 8/12/21

Try More Apps

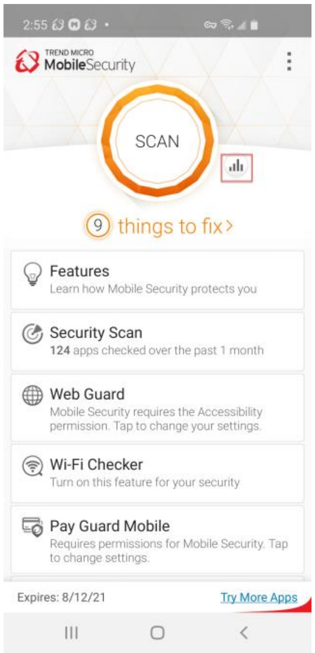
Figure 84. Protected

Security Report

Trend Micro Mobile Security provides a **Security Report**, giving you a **Protection Summary** for the various kinds of protections used during the last 7, 14, or 30 days.

To view the Security Report:

1. Tap the **Security Report** icon to the right of the **Scan** wheel. **The Security Report** appears, with the **Protection Summary** at the top, showing activity bars over a given timespan.



2:55

TREND MICRO MobileSecurity

SCAN

9 things to fix>

Features
Learn how Mobile Security protects you

Security Scan
124 apps checked over the past 1 month

Web Guard
Mobile Security requires the Accessibility permission. Tap to change your settings.

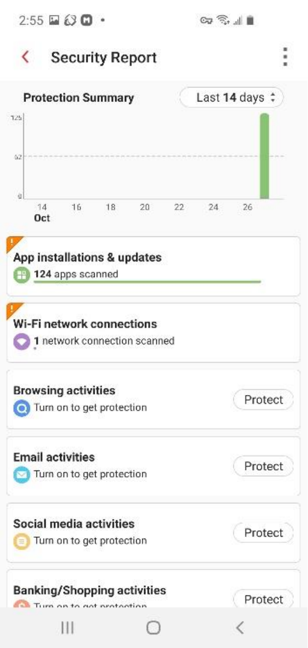
Wi-Fi Checker
Turn on this feature for your security

Pay Guard Mobile
Requires permissions for Mobile Security. Tap to change settings.

Expires: 8/12/21

Try More Apps

Figure 85. Security Report Icon



2:55

Security Report

Protection Summary

Last 14 days

App installations & updates
124 apps scanned

Wi-Fi network connections
1 network connection scanned

Browsing activities
Turn on to get protection
Protect

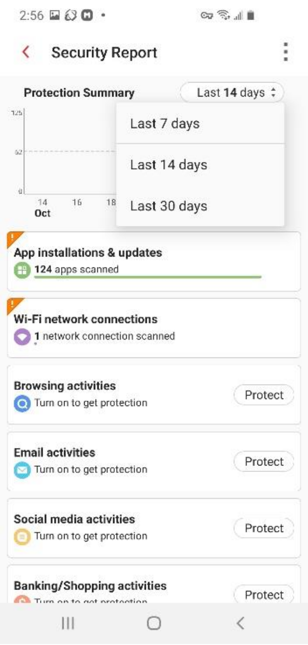
Email activities
Turn on to get protection
Protect

Social media activities
Turn on to get protection
Protect

Banking/Shopping activities
Turn on to get protection
Protect

Figure 86. Security Report

2. Tap the **Protection Summary** drop-down menu to set the **Security Report** filter for the Last 7, 14, or 30 days.
3. Proceed down through the list of panels to view the various categories for which Mobile Security has protected you.
4. **Orange Alerts** in the upper left corner of a panel indicate that issues have been discovered or settings need to be applied.
5. **Protect** buttons indicate you need to turn on the function.


2:56

Security Report

Protection Summary — Last **14** days

- Last 7 days
- Last 14 days
- Last 30 days

App installations & updates
124 apps scanned

Wi-Fi network connections
1 network connection scanned

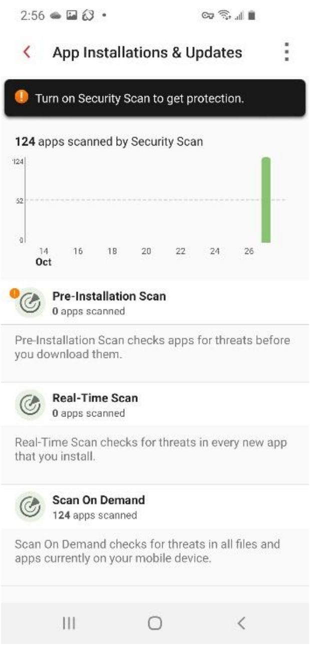
Browsing activities
Turn on to get protection — Protect

Email activities
Turn on to get protection — Protect

Social media activities
Turn on to get protection — Protect

Banking/Shopping activities
Turn on to get protection — Protect

Figure 87. Security Report Timespan


2:56

App Installations & Updates

Turn on Security Scan to get protection.

124 apps scanned by Security Scan

Pre-Installation Scan
0 apps scanned

Pre-Installation Scan checks apps for threats before you download them.

Real-Time Scan
0 apps scanned

Real-Time Scan checks for threats in every new app that you install.

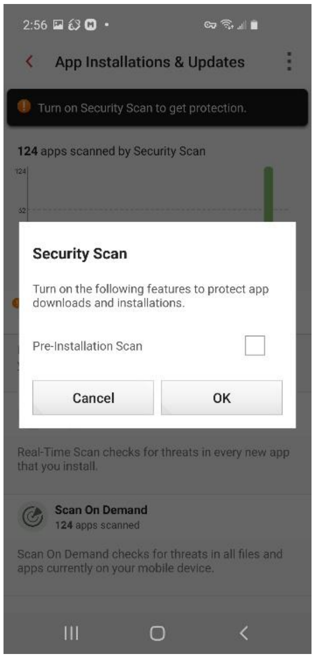
Scan On Demand
124 apps scanned

Scan On Demand checks for threats in all files and apps currently on your mobile device.

Figure 88. App Installations & Updates

6. For example, tap **App Installations & Updates**, then the popup **Turn on Security Scan to get protection.** A **Security Scan** popup appears.
7. Check **Pre-Installation Scan**, then tap **OK**.
8. The **Allow Permissions** screen appears, indicating that the **Pre-Installation Scan** needs **Accessibility** and **Draw over other apps** enabled to operate properly

   NOTE: The previous **Device Scan** section may have already set these permissions. Skip to step 16 if so.
9. Tap **Allow Now.**


2:56

App Installations & Updates

Turn on Security Scan to get protection.

124 apps scanned by Security Scan

Security Scan

Turn on the following features to protect app downloads and installations.

Pre-Installation Scan □

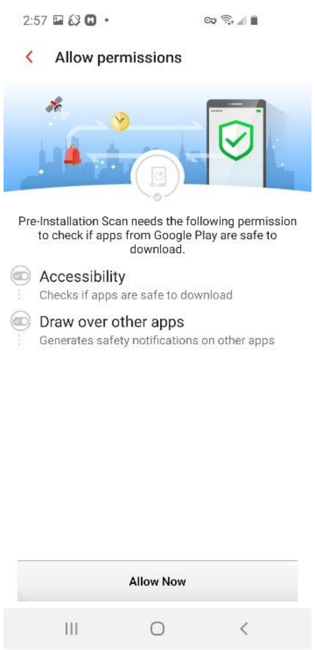
Cancel | OK

Real-Time Scan checks for threats in every new app that you install.

Scan On Demand
124 apps scanned

Scan On Demand checks for threats in all files and apps currently on your mobile device.

Figure 89. Turn On Security Scan


2:57

Allow permissions

Pre-Installation Scan needs the following permission to check if apps from Google Play are safe to download.

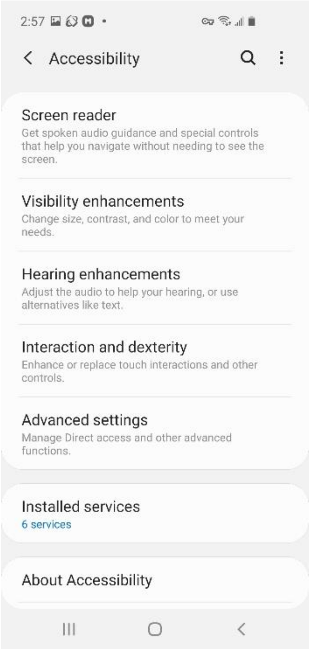
Accessibility
Checks if apps are safe to download

Draw over other apps
Generates safety notifications on other apps

Allow Now

Figure 90. Allow Now

10. When the **Accessibility** screen appears, scroll down and tap **Installed Services**, then **Trend Micro Mobile Security** to toggle it **On**.



2:57

Accessibility

Screen reader
Get spoken audio guidance and special controls that help you navigate without needing to see the screen.

Visibility enhancements
Change size, contrast, and color to meet your needs.

Hearing enhancements
Adjust the audio to help your hearing, or use alternatives like text.

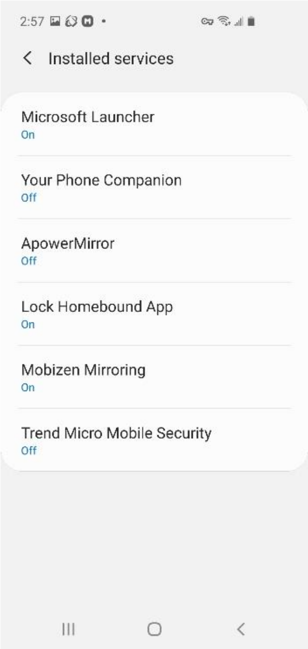
Interaction and dexterity
Enhance or replace touch interactions and other controls.

Advanced settings
Manage Direct access and other advanced functions.

Installed services
6 services

About Accessibility

Figure 91. Installed Services



2:57

Installed services

Microsoft Launcher
On

Your Phone Companion
Off

ApowerMirror
Off

Lock Homebound App
On

Mobizen Mirroring
On

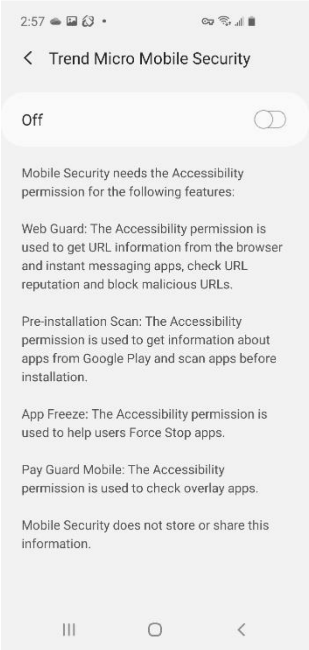
Trend Micro Mobile Security
Off

Figure 92. Turn Trend Micro Mobile Security On

11. A screen appears, indicating **Trend Micro Mobile Security** needs **Accessibility** permission for **WebGuard, the Pre-Installation Scan, App Freeze,** and **Pay Guard Mobile.** No information is stored or shared.

12. Tap the toggle to **On**. A popup appears, indicating that **Trend Micro Mobile Security** wants permission to **View and Control Screen** and **View and Perform Actions.**

13. Tap **Allow**.



2:57

Trend Micro Mobile Security

Off

Mobile Security needs the Accessibility permission for the following features:

Web Guard: The Accessibility permission is used to get URL information from the browser and instant messaging apps, check URL reputation and block malicious URLs.

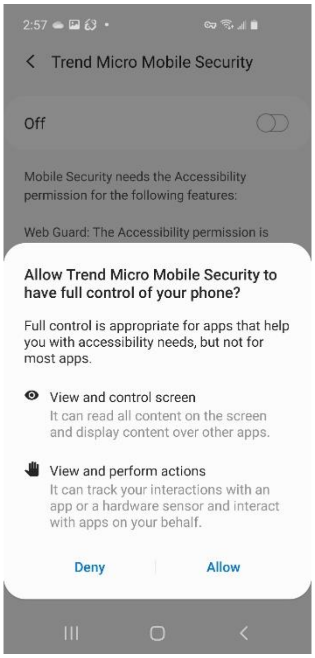
Pre-installation Scan: The Accessibility permission is used to get information about apps from Google Play and scan apps before installation.

App Freeze: The Accessibility permission is used to help users Force Stop apps.

Pay Guard Mobile: The Accessibility permission is used to check overlay apps.

Mobile Security does not store or share this information.

Figure 93. Toggle Accessibility On



2:57

Trend Micro Mobile Security

Off

Mobile Security needs the Accessibility permission for the following features:

Web Guard: The Accessibility permission is

Allow Trend Micro Mobile Security to have full control of your phone?

Full control is appropriate for apps that help you with accessibility needs, but not for most apps.

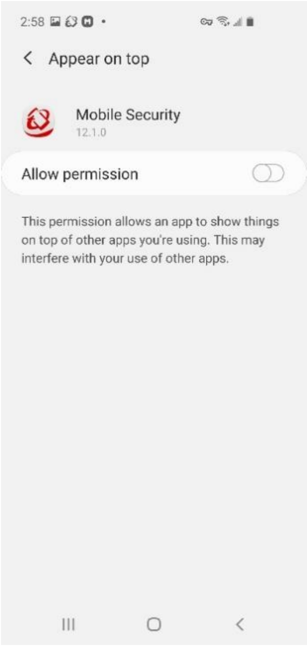
View and control screen
It can read all content on the screen and display content over other apps.

View and perform actions
It can track your interactions with an app or a hardware sensor and interact with apps on your behalf.

Deny Allow

Figure 94. Allow Full Control

14. The **Appear on Top** permission screen appears.
15. Tap **Allow Permission** to toggle it **On**. The **Permission Allowed** screen appears.



2:58

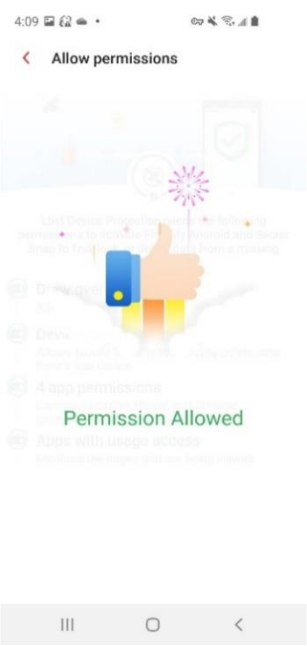
Appear on top

Mobile Security
12.1.0

Allow permission

This permission allows an app to show things on top of other apps you're using. This may interfere with your use of other apps.

Figure 95. Toggle Mobile Security On



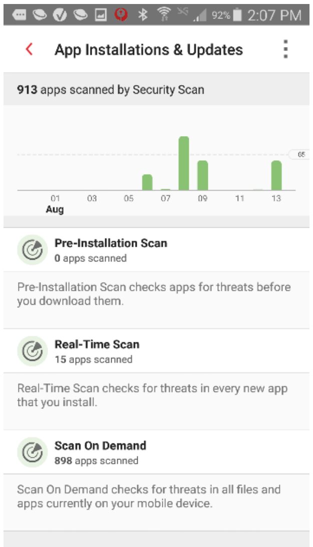
4:09

Allow permissions

Permission Allowed

Figure 96. Permission Allowed

16. Tap the back-arrow back to the **App Installations & Updates** screen, which indicates the types of scans and number of apps **Mobile Security** has scanned for each type (**Pre-installation Scan**, **Real-Time Scan**, and **Scan On Demand**.)
17. Tap the remaining **Security Report** panels for more details on each protection, or to turn on the various functions by tapping **Protect**.



92% 2:07 PM

App Installations & Updates

913 apps scanned by Security Scan

Pre-Installation Scan
0 apps scanned

Pre-Installation Scan checks apps for threats before you download them.

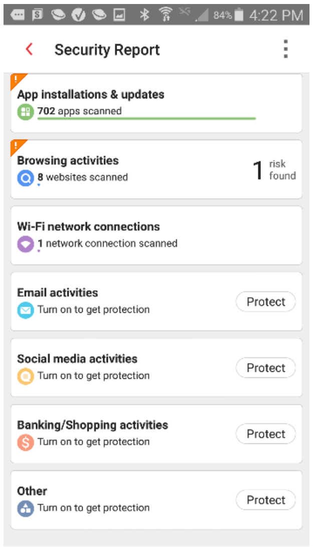
Real-Time Scan
15 apps scanned

Real-Time Scan checks for threats in every new app that you install.

Scan On Demand
898 apps scanned

Scan On Demand checks for threats in all files and apps currently on your mobile device.

Figure 96. App Installations & Updates



84% 4:22 PM

Security Report

App installations & updates
702 apps scanned

Browsing activities
8 websites scanned
1 risk found

Wi-Fi network connections
1 network connection scanned

Email activities
Turn on to get protection
Protect

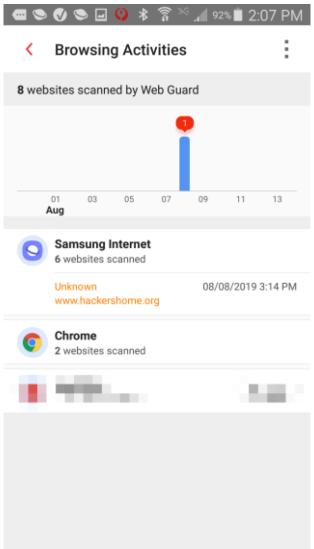
Social media activities
Turn on to get protection
Protect

Banking/Shopping activities
Turn on to get protection
Protect

Other
Turn on to get protection
Protect

Figure 97. Security Report Panels

18. **Browsing Activities**, for example, displays the number of websites scanned by **Web Guard** in your browsers or for apps with in-app browsing.
19. **Wi-Fi Network Connections** displays the number of Wi-Fi connections scanned by **Wi-Fi Checker.**



Browsing Activities

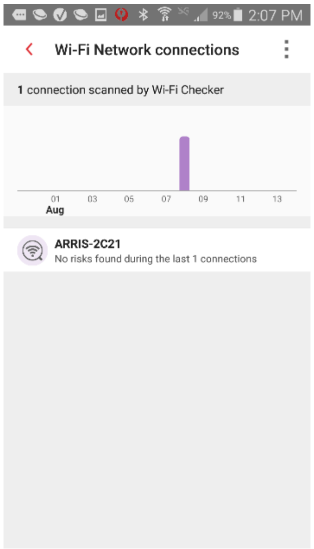
8 websites scanned by Web Guard

Samsung Internet
6 websites scanned

Unknown 08/08/2019 3:14 PM
www.hackershome.org

Chrome
2 websites scanned

Figure 98. Browsing Activities



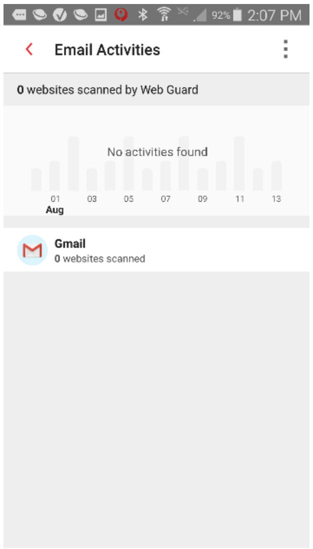
Wi-Fi Network connections

1 connection scanned by Wi-Fi Checker

ARRIS-2C21
No risks found during the last 1 connections

Figure 99. Wi-Fi Network Connections

20. **Email Activities** displays the number of websites scanned by **Web Guard** within Gmail.
21. **Social Media Activities** displays the number of websites scanned by **Web Guard** within your various social media apps.



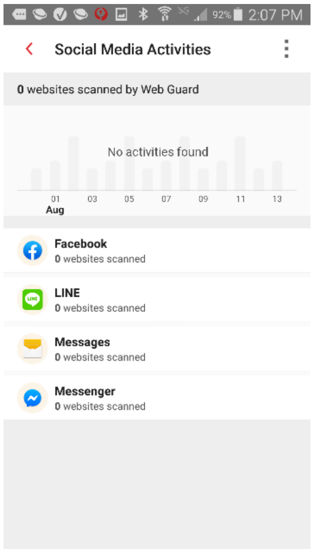
Email Activities

0 websites scanned by Web Guard

No activities found

Gmail
0 websites scanned

Figure 100. Email Activities



Social Media Activities

0 websites scanned by Web Guard

No activities found

Facebook
0 websites scanned

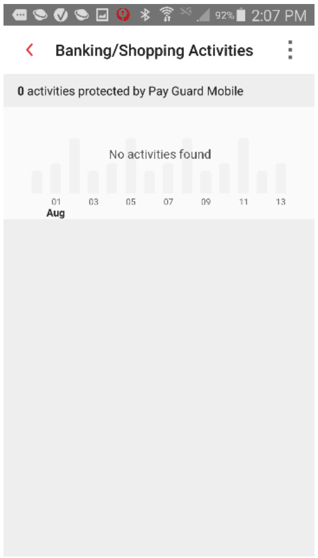
LINE
0 websites scanned

Messages
0 websites scanned

Messenger
0 websites scanned

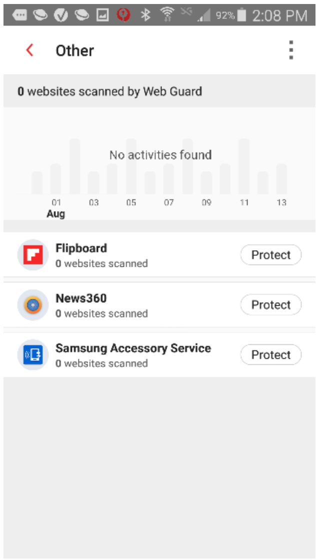
Figure 101. Social Media Activities

22. **Banking/Shopping Activities** displays the number of activities protected by **Pay Guard Mobile.**
23. **Other** displays the number of websites scanned by **Web Guard** within other applications, such as news aggregators or in the example app, the Samsung Accessory Service.
24. Again, tap **Protect** to turn on **Web Guard** protection for the various apps.



0 activities protected by Pay Guard Mobile

Figure 102. Banking / Shopping Activities



0 websites scanned by Web Guard

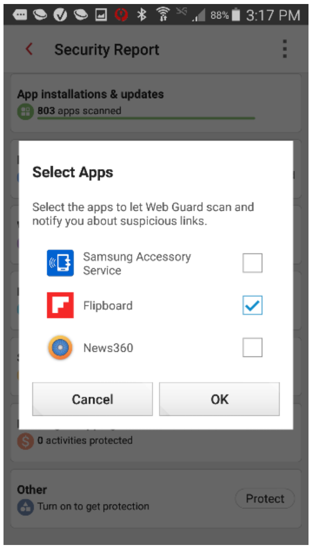
Flipboard 0 websites scanned

News360 0 websites scanned

Samsung Accessory Service 0 websites scanned

Figure 103. Other

25. A popup appears for you to **Select Apps** to let **Web Guard** scan and notify you about suspicious links.
26. Tap the checkbox for the apps you wish to protect, then tap **OK**. A popup appears to **Allow Connection**: **Mobile Security** is requesting permission to set up a VPN to monitor network traffic.
27. Tap **OK** to enable the VPN.



Select Apps

Select the apps to let Web Guard scan and notify you about suspicious links.

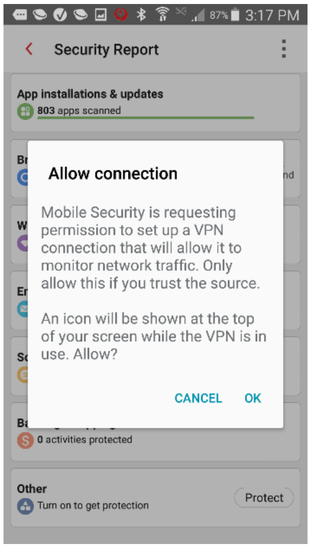
Samsung Accessory Service □

Flipboard ☑

News360 □

Cancel OK

Figure 104. Selected Apps



Allow connection

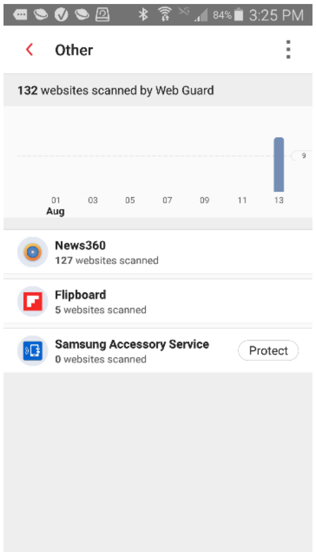
Mobile Security is requesting permission to set up a VPN connection that will allow it to monitor network traffic. Only allow this if you trust the source.

An icon will be shown at the top of your screen while the VPN is in use. Allow?

CANCEL OK

Figure 105. Allow Connection

28. Once you use the apps, **Other** displays the number of websites scanned and the date they were scanned.



3:25 PM

Other

132 websites scanned by Web Guard

News360
127 websites scanned

Flipboard
5 websites scanned

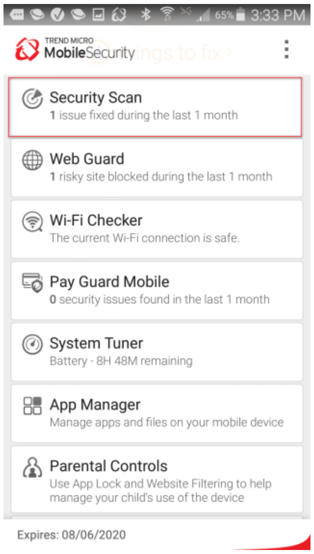
Samsung Accessory Service
0 websites scanned
Protect

Figure 106. Websites Scanned

Security Scan

To use the Security Scan:

1. Tap the **Security Scan** panel in the **Console**. The **Security Scan** settings screen appears, with the **Settings** tab active by default.
2. Tap **Scan Now** to conduct a security scan. The **Security Scan** performs a combination security, vulnerability, and privacy scan and returns the result.
3. In the example shown, "Citibank" has been detected as a fake banking app, present on the device before **Mobile Security** was installed.



3:33 PM

TREND MICRO MobileSecurity

Security Scan
1 issue fixed during the last 1 month

Web Guard
1 risky site blocked during the last 1 month

Wi-Fi Checker
The current Wi-Fi connection is safe.

Pay Guard Mobile
0 security issues found in the last 1 month

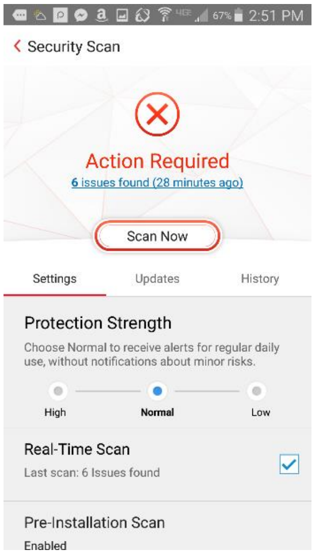
System Tuner
Battery - 8H 48M remaining

App Manager
Manage apps and files on your mobile device

Parental Controls
Use App Lock and Website Filtering to help manage your child's use of the device

Expires: 08/06/2020

Figure 107. Security Scan



2:51 PM

Security Scan

Action Required
6 issues found (28 minutes ago)

Scan Now

Settings | Updates | History

Protection Strength
Choose Normal to receive alerts for regular daily use, without notifications about minor risks.

○ High ● Normal ○ Low

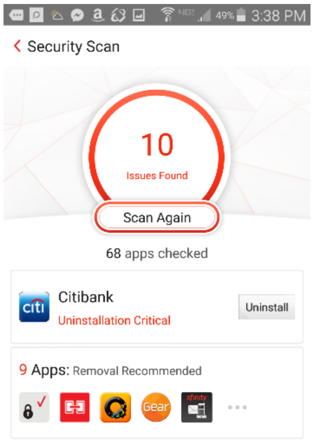
Real-Time Scan
Last scan: 6 Issues found ☑

Pre-Installation Scan
Enabled

Figure 108. Scan Now

Apps are also recommended for you to remove (or to trust).

4. Tap **Uninstall** to uninstall the fake app. A **Details** screen defines the security threats.
5. Tap **Uninstall** again. A popup will ask if you want to uninstall the app; tap **Uninstall** once more to uninstall it.
6. Tap the panel for **Apps Removal Recommended** to show the list of apps recommended for removal.
7. In the **Removal Recommended** list (not shown), check apps to **Remove** or **Trust.**

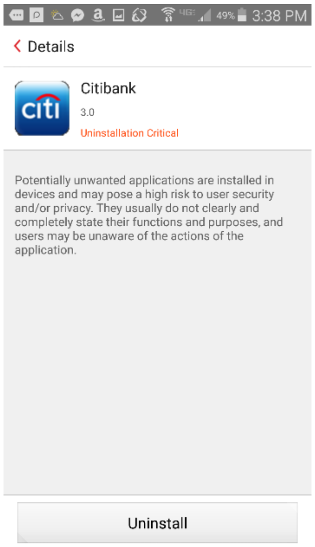


68 apps checked

Citibank
Uninstallation Critical

9 Apps: Removal Recommended

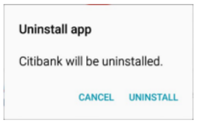
Figure 109. Security Scan Results



Citibank
3.0
Uninstallation Critical

Potentially unwanted applications are installed in devices and may pose a high risk to user security and/or privacy. They usually do not clearly and completely state their functions and purposes, and users may be unaware of the actions of the application.

Figure 110. Fake App Details


Uninstall app

Citibank will be uninstalled.

Figure 111. Uninstall App

8. Back in the **Security Scan > Settings** screen, view the **Settings** options to configure them.

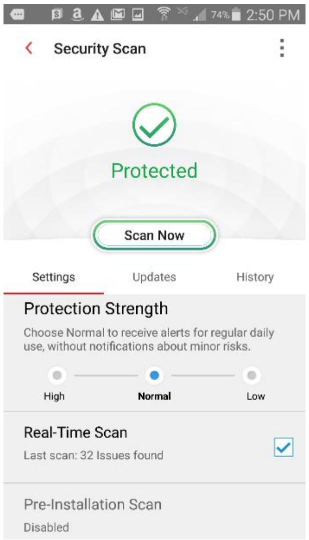
Protection Strength. Choose the level for alerts:

-Low. Receive alerts only for apps confirmed as fraudulent or dangerous.

-Normal. Receive alerts for regular daily use, without notifications about minor risks.

-High. Receive alerts for apps that show any signs of fraud or danger.

Real-Time Scan. Option is checked by default and provides a real-time scan of all downloaded apps.



Protection Strength

Choose Normal to receive alerts for regular daily use, without notifications about minor risks.

○ High ● Normal ○ Low

Real-Time Scan ☑

Last scan: 32 Issues found

Pre-Installation Scan

Disabled

Figure 112. Security Scan Settings (1)

Pre-Installation Scan. Disabled by default. Blocks malware from Google Play *before* it's installed.

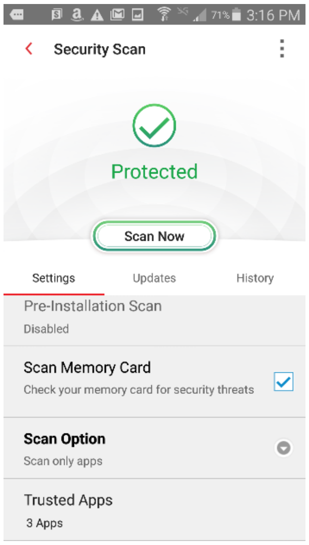
Scan Memory Card. This option, unchecked by default, checks the memory card for security threats.

Scan Option.

-Scan all files or

-Scan only apps (default)

9. **Trusted Apps.** Tap **Trusted Apps > App.**



Security Scan

Protected

Scan Now

Settings | Updates | History

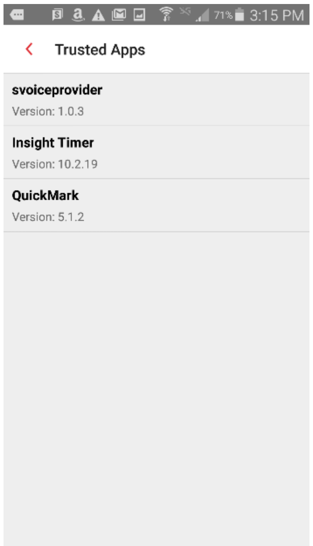
Pre-Installation Scan
Disabled

Scan Memory Card ☑
Check your memory card for security threats

Scan Option
Scan only apps

Trusted Apps
3 Apps

Figure 113. Security Scan Settings (2)



Trusted Apps

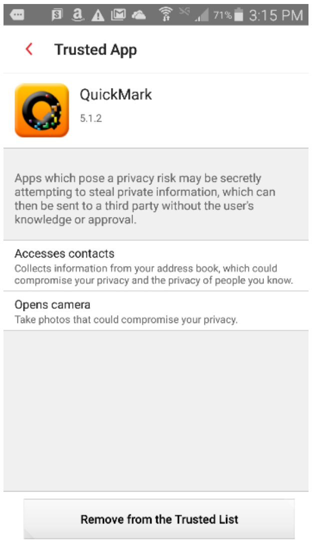
svoiceprovider
Version: 1.0.3

Insight Timer
Version: 10.2.19

QuickMark
Version: 5.1.2

Figure 114. Trusted Apps

10. Then tap **Remove from the Trusted List** to remove an app from the list.



Trusted App

QuickMark
5.1.2

Apps which pose a privacy risk may be secretly attempting to steal private information, which can then be sent to a third party without the user's knowledge or approval.

Accesses contacts
Collects information from your address book, which could compromise your privacy and the privacy of people you know.

Opens camera
Take photos that could compromise your privacy.

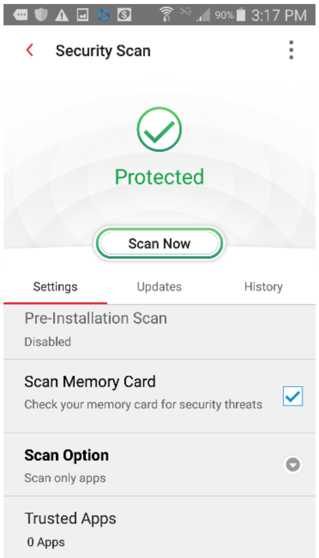
Remove from the Trusted List

Figure 115. Remove from the Trusted List

To enable and use the Pre-installation Scan:

NOTE: If you've already allowed **Accessibility** permission **for Pre-Installation Scan**, skip to step 10 below.

1. Tap the **Pre-installation Scan** panel in the **Security Scan > Settings** screen. The **Pre-installation Scan** toggle screen appears.
2. Note that the **Pre-Installation Scan** requires the **Accessibility** permission for **Mobile Security** to be turned on.
3. Tap the **Pre-installation Scan** toggle from **Off** to **On**. The **Allow permissions** screen for turning on **Accessibility** appears.
4. Tap **Allow Now**. The **Accessibility** screen appears.
5. Scroll down the screen and tap the panel for **Trend Micro Mobile Security.** The screen to enable Mobile Security **Accessibility** screen appears.



3:17 PM

Security Scan

Protected

Scan Now

Settings Updates History

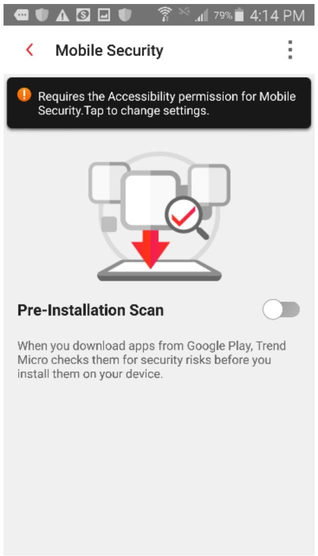
Pre-Installation Scan
Disabled

Scan Memory Card
Check your memory card for security threats ☑

Scan Option
Scan only apps

Trusted Apps
0 Apps

Figure 116. Security Scan Settings



4:14 PM

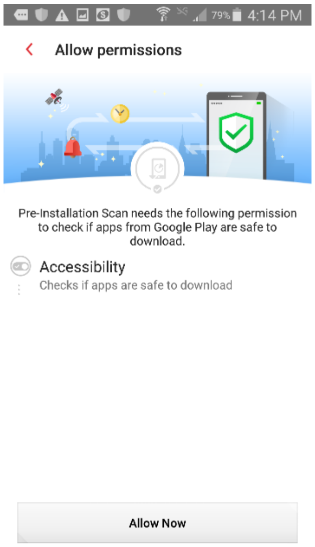
Mobile Security

Requires the Accessibility permission for Mobile Security.Tap to change settings.

Pre-Installation Scan

When you download apps from Google Play, Trend Micro checks them for security risks before you install them on your device.

Figure 117. Pre-Installation Scan



4:14 PM

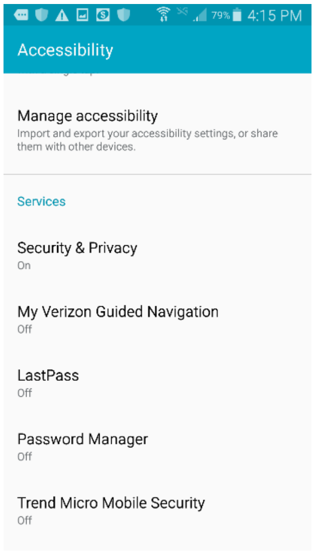
Allow permissions

Pre-Installation Scan needs the following permission to check if apps from Google Play are safe to download.

Accessibility
Checks if apps are safe to download

Allow Now

Figure 118. Allow Permissions > Accessibility



4:15 PM

Accessibility

Manage accessibility
Import and export your accessibility settings, or share them with other devices.

Services

Security & Privacy
On

My Verizon Guided Navigation
Off

LastPass
Off

Password Manager
Off

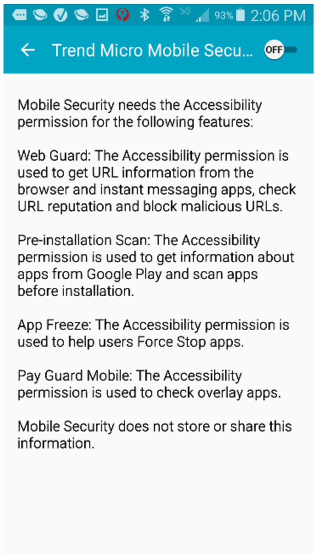
Trend Micro Mobile Security
Off

Figure 119. Accessibility

6. As noted previously, **Accessibility** permission is needed for **Web Guard**, **Pre-installation Scan, App Freeze**, and **Pay Guard Mobile.**
7. Tap the toggle from **Off** to **On**. A dialog appears, describing the permissions needed for Trend Micro Mobile Security.

   - Monitor your actions

   - Retrieve window content.
8. Tap **OK.**



Mobile Security needs the Accessibility permission for the following features:

Web Guard: The Accessibility permission is used to get URL information from the browser and instant messaging apps, check URL reputation and block malicious URLs.

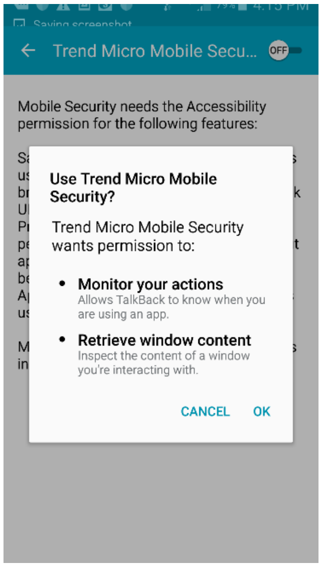
Pre-installation Scan: The Accessibility permission is used to get information about apps from Google Play and scan apps before installation.

App Freeze: The Accessibility permission is used to help users Force Stop apps.

Pay Guard Mobile: The Accessibility permission is used to check overlay apps.

Mobile Security does not store or share this information.

Figure 120. Mobile Security Accessibility



Mobile Security needs the Accessibility permission for the following features:

Use Trend Micro Mobile Security?

Trend Micro Mobile Security wants permission to:

- **Monitor your actions**
  Allows TalkBack to know when you are using an app.
- **Retrieve window content**
  Inspect the content of a window you're interacting with.

Figure 121. Use Trend Micro Mobile Security?

9. The **Permission Allowed** screen appears. The **Pre-Installation Scan** is now active. Apps downloaded from Google Play will now be automatically scanned for safety *before* they're installed.
10. Test the **Pre-Installation Scan** by downloading an Antivirus Test app from Google Play.
11. Enter "antivirus test" into the Google Play Search field.
12. When the search results appear, pick an antivirus test for download.

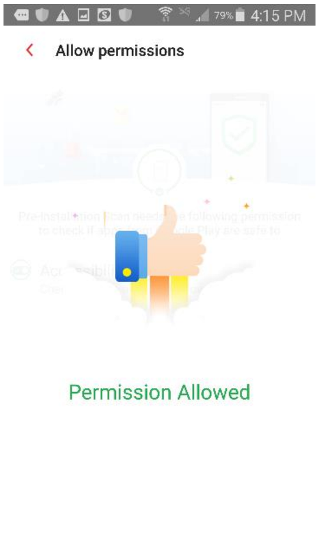
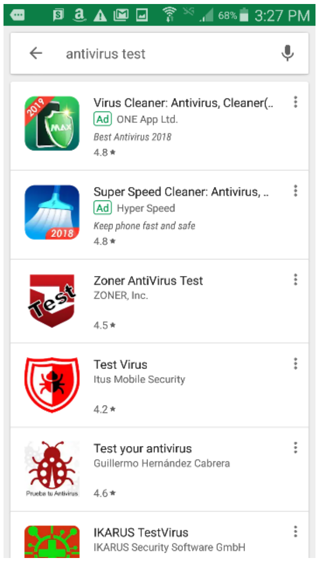


Figure 122. Permission Allowed



Virus Cleaner: Antivirus, Cleaner(..
Ad ONE App Ltd.
Best Antivirus 2018
4.8★

Super Speed Cleaner: Antivirus, ..
Ad Hyper Speed
Keep phone fast and safe
4.8★

Zoner AntiVirus Test
ZONER, Inc.
4.5★

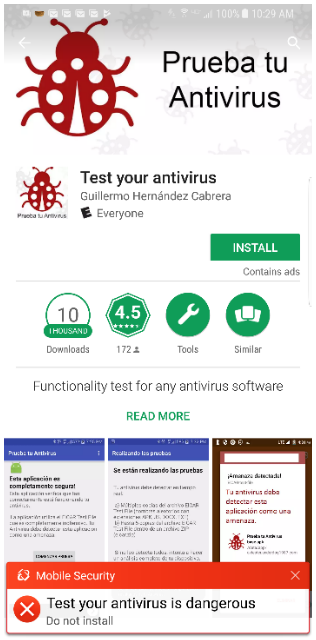
Test Virus
Itus Mobile Security
4.2★

Test your antivirus
Guillermo Hernández Cabrera
4.6★

IKARUS TestVirus
IKARUS Security Software GmbH

Figure 123. Antivirus Test

13. For example, tap **Test your antivirus.**
14. Mobile Security's **Pre-Installation Scan** scans the app and presents a popup saying **Test your antivirus is dangerous.**
15. Do not install the app, as it presents dangers to your device.
16. Use the back-arrow on your device to back out of the Install screen.



Test your antivirus
Guillermo Hernández Cabrera
Everyone

INSTALL

Contains ads

Functionality test for any antivirus software

READ MORE

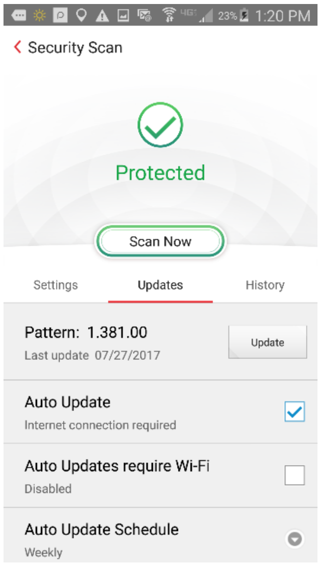
Mobile Security

Test your antivirus is dangerous
Do not install

Figure 124. "Test Your Antivirus" is Dangerous

Updates and History:

1. Tap the **Update** tab in the **Security Scan** screen. The **Update** options appear.
2. Tap the **Update** button to manually update the pattern file. **Mobile Security** updates. If **Automatic Scan** is checked, a scan is conducted after an update.
3. Variously check **Auto Update, Auto Updates require Wi-Fi.**
4. Tap **Auto Update Schedule.**



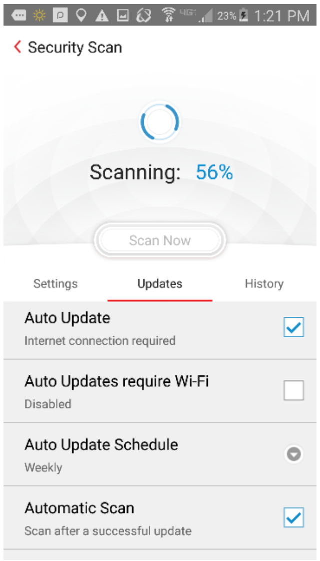
Pattern: 1.381.00
Last update 07/27/2017
Update

Auto Update ☑
Internet connection required

Auto Updates require Wi-Fi □
Disabled

Auto Update Schedule
Weekly

Figure 125. Security Scan > Update



Auto Update ☑
Internet connection required

Auto Updates require Wi-Fi □
Disabled

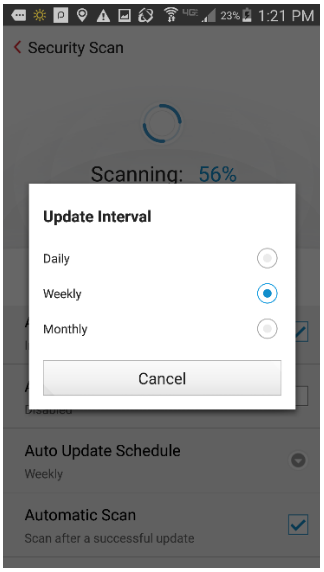
Auto Update Schedule
Weekly

Automatic Scan ☑
Scan after a successful update

Figure 126. Security Scan > Post-Update Scan

5. A popup appears, letting you choose the **Update Interval**: **Daily, Weekly,** or **Monthly**.

6. Tap the **History** tab, then the **Security Scan** or **Updates** panels to obtain a history of threats found or updates conducted.



1:21 PM

Security Scan

Scanning: 56%

Update Interval

○ Daily

● Weekly

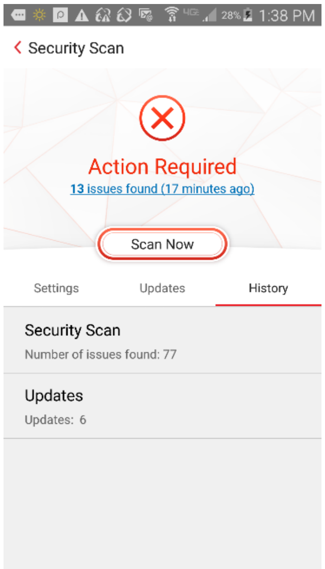
○ Monthly

Cancel

Auto Update Schedule
Weekly

Automatic Scan ☑
Scan after a successful update

Figure 127. Update Interval



1:38 PM

Security Scan

Action Required

13 issues found (17 minutes ago)

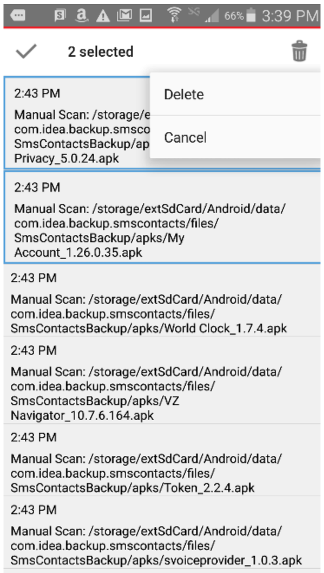
Scan Now

Security Scan
Number of issues found: 77

Updates
Updates: 6

Figure 128. Security Scan > History

7. Select individual items in either the **Security Scan** or **Updates** History, then tap the **Trashcan > Delete** to delete them.



3:39 PM

2 selected

Delete

Cancel

2:43 PM
Manual Scan: /storage/e
com.idea.backup.smsco
SmsContactsBackup/ap
Privacy_5.0.24.apk

2:43 PM
Manual Scan: /storage/extSdCard/Android/data/
com.idea.backup.smscontacts/files/
SmsContactsBackup/apks/My
Account_1.26.0.35.apk

2:43 PM
Manual Scan: /storage/extSdCard/Android/data/
com.idea.backup.smscontacts/files/
SmsContactsBackup/apks/World Clock_1.7.4.apk

2:43 PM
Manual Scan: /storage/extSdCard/Android/data/
com.idea.backup.smscontacts/files/
SmsContactsBackup/apks/VZ
Navigator_10.7.6.164.apk

2:43 PM
Manual Scan: /storage/extSdCard/Android/data/
com.idea.backup.smscontacts/files/
SmsContactsBackup/apks/Token_2.2.4.apk

2:43 PM
Manual Scan: /storage/extSdCard/Android/data/
com.idea.backup.smscontacts/files/
SmsContactsBackup/apks/svoiceprovider_1.0.3.apk

Figure 129. Delete History Items

Web Guard

Mobile Security's **Web Guard** protects from explicit or unwanted websites when using a browser app, apps that offer in-app browsing, and instant messengers. For some apps, **Web Guard** turns on **a local VPN** that won't slow down bandwidth performance. To use **Web Guard**, you'll first enable the **Accessibility** option for Mobile Security in your phone settings. In this example, **Accessibility** is already turned on.

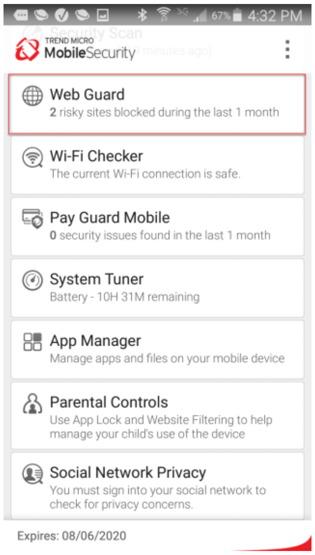
To use Web Guard:

1. Tap **Web Guard** in the Mobile Security Console. The **Web Guard** screen appears, with the dial showing **Protection On** in this example.
2. Tap **Protection Level** to set the level of protection you want:

   -**Low**. Blocks only sites confirmed as fraudulent or dangerous.

   -**Normal**. Provides balanced protection without blocking minor risks.

   -**High**. Blocks sites showing any signs of fraud or malicious software.
3. **Supported Apps**. Check the apps that should notify you of suspicious links.
4. **VPN Supported Apps.** Tap the toggle to turn on **VPN Support Apps.** A popup appears for you to **Allow Connection**.
5. Tap **OK** to turn on **VPN Supported Apps.**



67% 4:32 PM

TREND MICRO MobileSecurity

Web Guard
2 risky sites blocked during the last 1 month

Wi-Fi Checker
The current Wi-Fi connection is safe.

Pay Guard Mobile
0 security issues found in the last 1 month

System Tuner
Battery - 10H 31M remaining

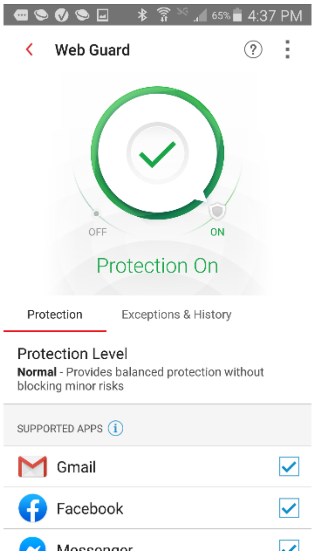
App Manager
Manage apps and files on your mobile device

Parental Controls
Use App Lock and Website Filtering to help manage your child's use of the device

Social Network Privacy
You must sign into your social network to check for privacy concerns.

Expires: 08/06/2020

Figure 130. Web Guard



65% 4:37 PM

Web Guard

OFF ON

Protection On

Protection | Exceptions & History

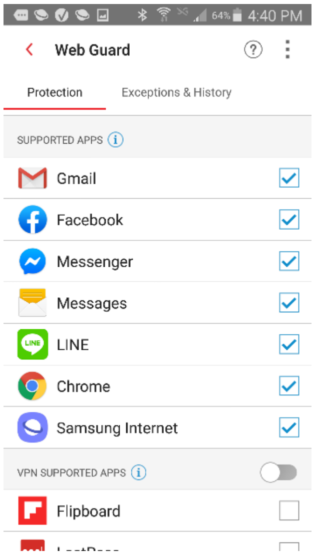
Protection Level
Normal - Provides balanced protection without blocking minor risks

SUPPORTED APPS

Gmail ☑

Facebook ☑

Figure 131. Web Guard Dial



64% 4:40 PM

Web Guard

Protection | Exceptions & History

SUPPORTED APPS

Gmail ☑

Facebook ☑

Messenger ☑

Messages ☑

LINE ☑

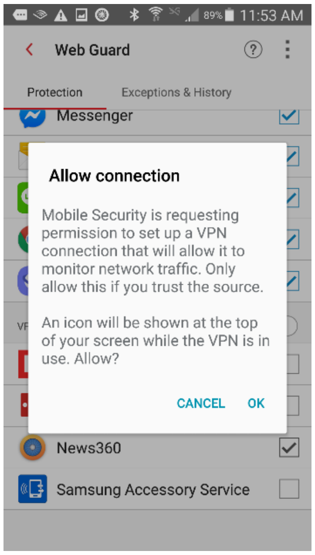
Chrome ☑

Samsung Internet ☑

VPN SUPPORTED APPS

Flipboard ☐

Figure 132. Supported Apps



89% 11:53 AM

Web Guard

Protection | Exceptions & History

Messenger ☑

Allow connection

Mobile Security is requesting permission to set up a VPN connection that will allow it to monitor network traffic. Only allow this if you trust the source.

An icon will be shown at the top of your screen while the VPN is in use. Allow?

CANCEL OK

News360 ☑

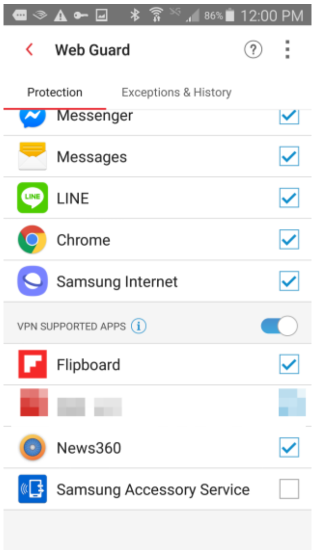
Samsung Accessory Service ☐

Figure 133. Allow Connection

6. Check the **VPN Supported Apps** which should notify you of suspicious links.

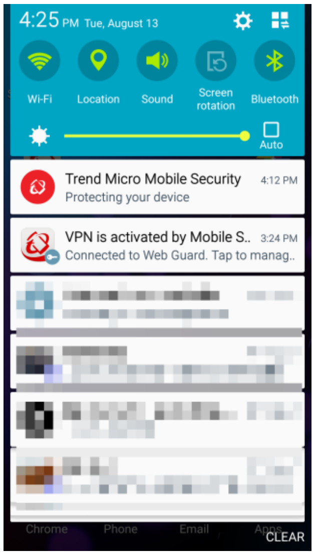
7. When you're done using these apps, you can turn off the local VPN that's monitoring the network traffic of these apps from the Android pull-down notification menu.

8. Tap **VPN is activated by Mobile Security.**



Messenger ☑
Messages ☑
LINE ☑
Chrome ☑
Samsung Internet ☑
VPN SUPPORTED APPS ●
Flipboard ☑
News360 ☑
Samsung Accessory Service □

Figure 134. VPN Supported Apps



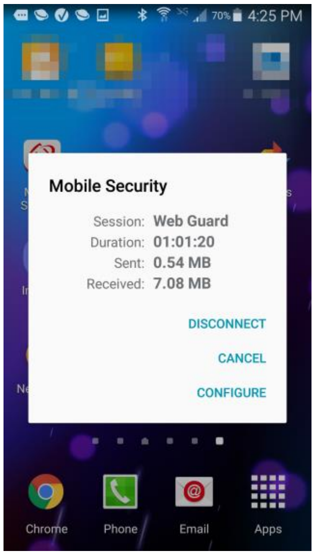
Trend Micro Mobile Security 4:12 PM
Protecting your device

VPN is activated by Mobile S.. 3:24 PM
Connected to Web Guard. Tap to manag..

Figure 135. VPN is Activated by Mobile Security

9. A popup appears, showing the VPN is active for **Web Guard**.

10. Tap **Disconnect** to disconnect from the VPN, **Cancel** to cancel the dialog, or **Configure** to return to the **Web Guard Configuration** menu.

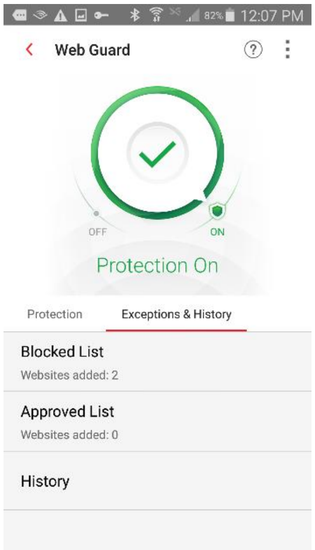


Mobile Security

Session: Web Guard
Duration: 01:01:20
Sent: 0.54 MB
Received: 7.08 MB

Figure 136. Disconnect, Cancel, Configure

11. Note that when the local VPN is **On** the icon at the pointer is darkened in the **Web Guard Protection** wheel.
12. Select **Exceptions & History** to view these additional options.
13. Tap **Blocked List** or **Approved List** to remove or add websites to either list.
14. When adding sites, an **Add** popup appears for you to enter the **Name** and **Website** URL, then tap **Save**.



82% 12:07 PM

Web Guard

OFF ON

Protection On

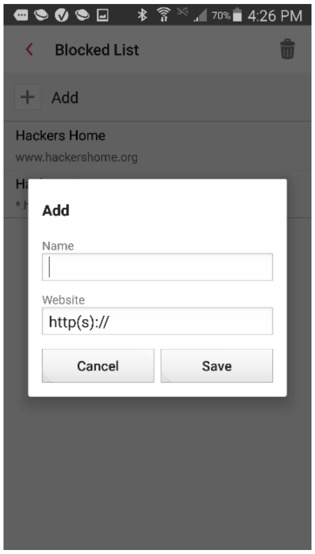
Protection | Exceptions & History

Blocked List
Websites added: 2

Approved List
Websites added: 0

History

Figure 137. Web Guard > Blocked / Approved List



70% 4:26 PM

Blocked List

Add

Hackers Home
www.hackershome.org

Add

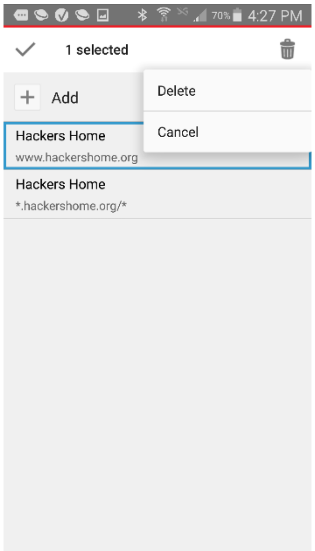
Name

Website
http(s)://

Cancel Save

Figure 138. Add Dialog

15. When removing sites, tap the **Blocked** or **Approved List** panel, then select the site you wish to remove in the list, then tap the **Trashcan > Delete.** If you tap the **Trashcan** without selecting any sites, you can **Delete All** sites at once.
16. If you browse to a site in the **Blocked List**, you'll be presented with a **Suspicious Page** message to close the page.



70% 4:27 PM

1 selected

Add

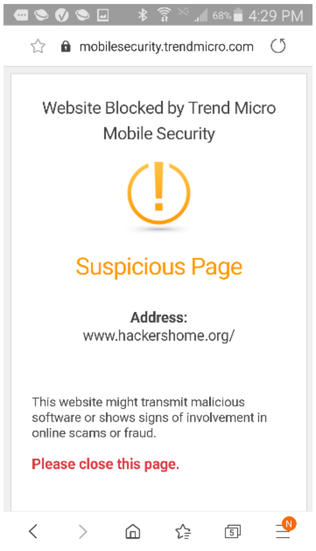
Delete

Cancel

Hackers Home
www.hackershome.org

Hackers Home
.hackershome.org/

Figure 139. Delete Dialog



68% 4:29 PM

mobilesecurity.trendmicro.com

Website Blocked by Trend Micro Mobile Security

Suspicious Page

Address:
www.hackershome.org/

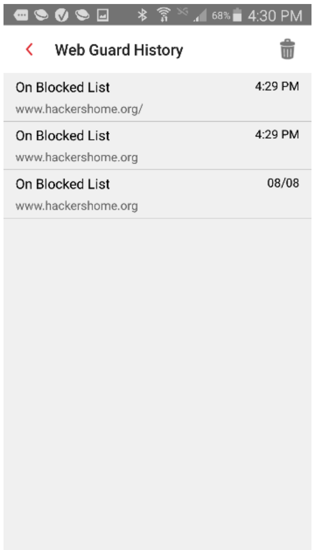
This website might transmit malicious software or shows signs of involvement in online scams or fraud.

Please close this page.

Figure 140. Suspicious Page

17. Tap **History** to view the history of the threatening sites **Web Guard** has protected you from.

18. Tap an item(s) from the list, then tap the **Trashcan** to delete the item(s) in the **Web Guard History.**



On Blocked List 4:29 PM
www.hackershome.org/

On Blocked List 4:29 PM
www.hackershome.org

On Blocked List 08/08
www.hackershome.org

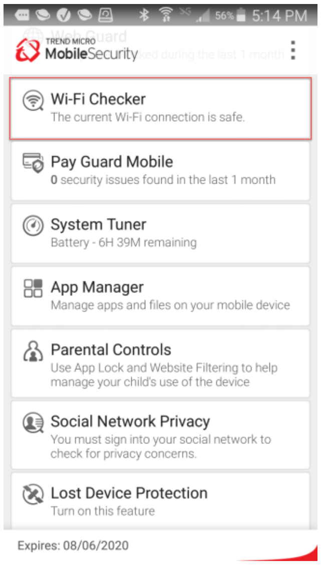
Figure 141. Web Guard History

Wi-Fi Checker

Wi-Fi Checker checks Wi-Fi connections and hotspots for security risks, including any evidence of suspicious interference and for Wi-Fi routers unprotected by passwords.

To use Wi-Fi Checker:

1. Tap **Wi-Fi Checker** in the **Mobile Security Console.** The **Wi-Fi Checker** screen appears.
2. Use the toggle to turn **Wi-Fi Checker On** or **Off**.
3. When **Wi-Fi Checker** is **On**, it scans the Wi-Fi network for security risks. In this example risks have been found on **xfinitywifi** network.
4. Tap **See Scan Results** for details.



TREND MICRO MobileSecurity

Wi-Fi Checker
The current Wi-Fi connection is safe.

Pay Guard Mobile
0 security issues found in the last 1 month

System Tuner
Battery - 6H 39M remaining

App Manager
Manage apps and files on your mobile device

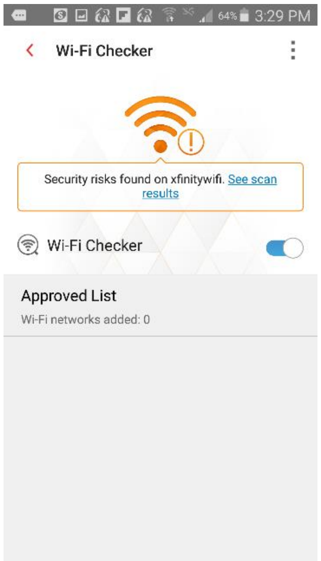
Parental Controls
Use App Lock and Website Filtering to help manage your child's use of the device

Social Network Privacy
You must sign into your social network to check for privacy concerns.

Lost Device Protection
Turn on this feature

Expires: 08/06/2020

Figure 142. Wi-Fi Checker



Wi-Fi Checker

Security risks found on xfinitywifi. See scan results

Wi-Fi Checker

Approved List
Wi-Fi networks added: 0

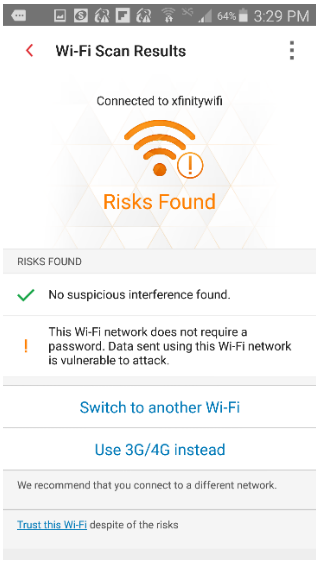
Figure 143. Security Risks Found on xfinitywifi

5. **Wi-Fi Scan Results** screen appears, showing here you're connected to the **xfinitywifi** network with **Risks Found.**

   >No suspicious interference found.

   >This Wi-Fi network does not require a password. Data sent using this Wi-Fi network is vulnerable to attack.

6. You can **Switch to another Wi-Fi**, or **Use 3G/4G** instead.



Wi-Fi Scan Results

Connected to xfinitywifi

Risks Found

RISKS FOUND

✓ No suspicious interference found.

! This Wi-Fi network does not require a password. Data sent using this Wi-Fi network is vulnerable to attack.

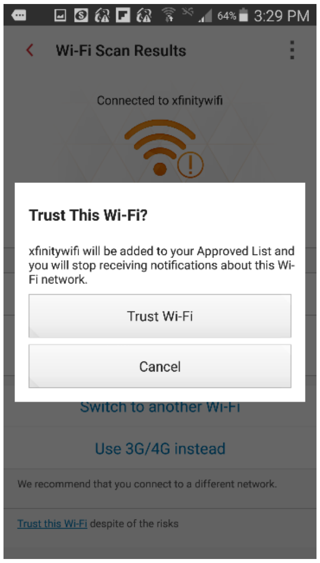
Switch to another Wi-Fi

Use 3G/4G instead

We recommend that you connect to a different network.

Trust this Wi-Fi despite of the risks

Figure 144. Risks Found



Wi-Fi Scan Results

Connected to xfinitywifi

Trust This Wi-Fi?

xfinitywifi will be added to your Approved List and you will stop receiving notifications about this Wi-Fi network.

Trust Wi-Fi

Cancel

Switch to another Wi-Fi

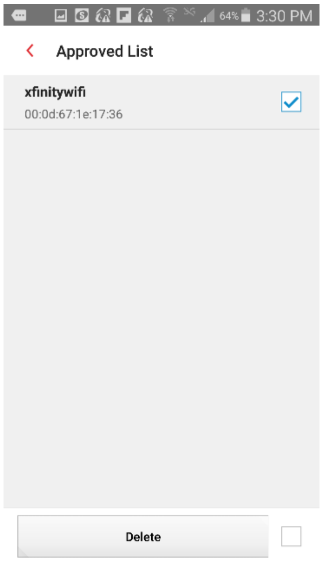
Use 3G/4G instead

We recommend that you connect to a different network.

Trust this Wi-Fi despite of the risks

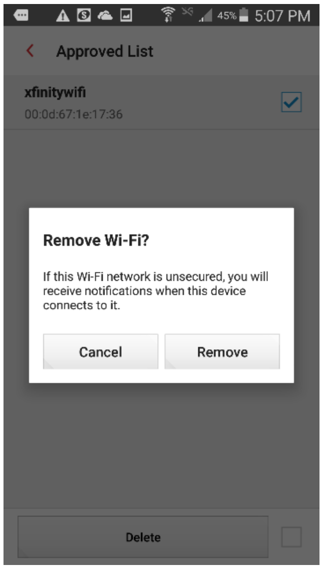
Figure 145. Trust This Wi-Fi?

7. You can tap the link **Trust this Wi-Fi** despite the risks.
8. Tap **the Trust Wi-Fi** button to add it to the **Approved List.**
9. Back in the **Wi-Fi Checker** screen, simply tap **Approved List** to open it and to delete any Wi-Fi connections you have added.
10. Check the Wi-Fi connection in question and tap **Delete**.
11. A dialog appears, asking **Remove Wi-Fi?**
12. Tap **Remove** to remove the Wi-Fi connection from the **Approved List.**



xfinitywifi
00:0d:67:1e:17:36 ☑
Delete □

Figure 146. Wi-Fi Checker > Approved List



xfinitywifi
00:0d:67:1e:17:36 ☑

Remove Wi-Fi?

If this Wi-Fi network is unsecured, you will receive notifications when this device connects to it.

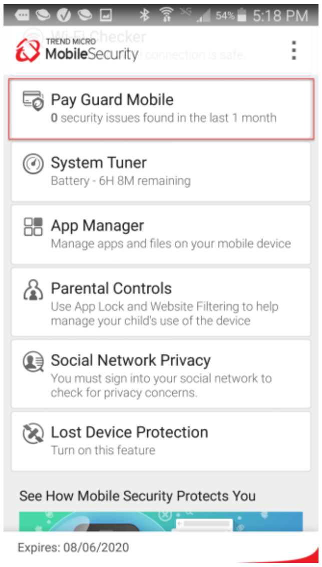
Figure 147. Remove Wi-Fi?

Pay Guard Mobile

Pay Guard Mobile protects you when you're banking or buying in your favorite financial or shopping apps, as well as others you use to purchase goods. It scans the apps before you use them to ensure they're not fake or infected by malware, which could lead to data theft.

To use Pay Guard Mobile:

1. Tap **Pay Guard Mobile** to open the function. It scans your devices for financial and shopping apps and detects if they contain risks. **Finance** and **Shopping** apps are loaded into **Pay Guard Mobile** automatically.
2. A popup appears the first time, so you can add a shortcut to your home screen. Just tap it to add it.



5:18 PM

TREND MICRO MobileSecurity

Pay Guard Mobile
0 security issues found in the last 1 month

System Tuner
Battery - 6H 8M remaining

App Manager
Manage apps and files on your mobile device

Parental Controls
Use App Lock and Website Filtering to help manage your child's use of the device

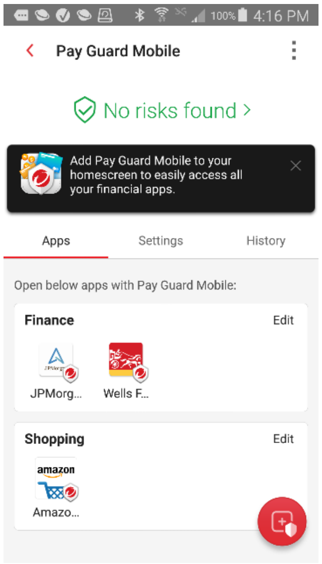
Social Network Privacy
You must sign into your social network to check for privacy concerns.

Lost Device Protection
Turn on this feature

See How Mobile Security Protects You

Expires: 08/06/2020

Figure 148. Pay Guard Mobile



4:16 PM

Pay Guard Mobile

No risks found >

Add Pay Guard Mobile to your homescreen to easily access all your financial apps.

Apps | Settings | History

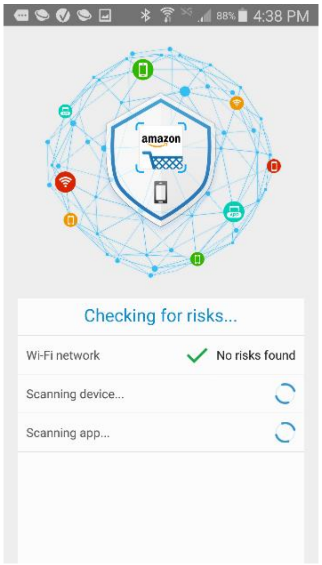
Open below apps with Pay Guard Mobile:

Finance — Edit
JPMorg... Wells F...

Shopping — Edit
Amazo...

Figure 149. Pay Guard Mobile > Apps

3. To bank or buy, just tap the **Finance** or **Shopping** app you wish to use in the **Pay Guard Mobile** screen. The app is scanned for risks, then displayed for use if it's safe.
4. You can now sign into your account using the app, knowing it's not fake or infected.



4:38 PM

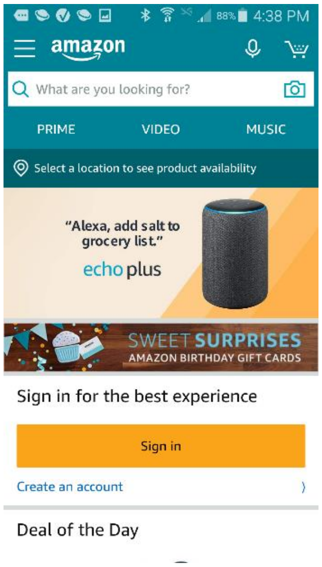
Checking for risks...

Wi-Fi network — No risks found

Scanning device...

Scanning app...

Figure 150. Checking for Risks



4:38 PM

amazon

What are you looking for?

PRIME | VIDEO | MUSIC

Select a location to see product availability

"Alexa, add salt to grocery list."
echo plus

SWEET SURPRISES
AMAZON BIRTHDAY GIFT CARDS

Sign in for the best experience

Sign in

Create an account

Deal of the Day

Figure 151. Amazon Sign In

5. Tap the red **Add** icon in the lower-right of the screen to add other transaction apps for protection by **Pay Guard Mobile.**

6. Your device is scanned and a list of apps is presented to be added.

7. Tap the checkboxes to check the apps you wish to add, then click the **Plus (+)** icon in the upper-right, and tap **Add**.

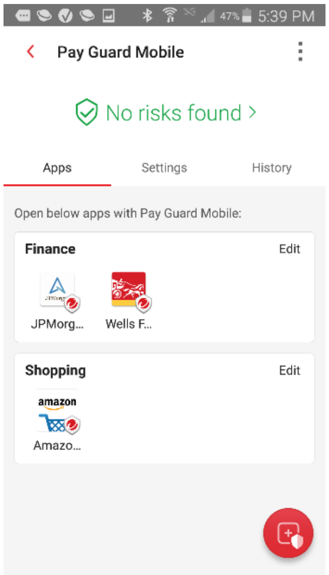


Figure 152. Add Apps

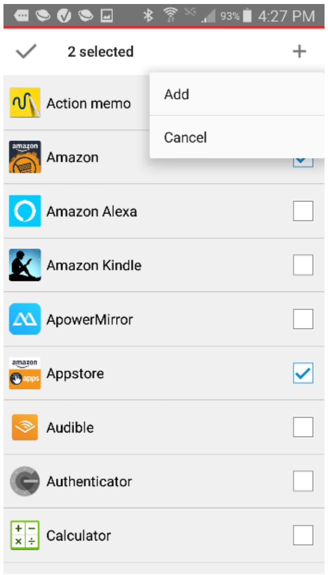


Figure 153. Add Appstore

8. The apps are added to the **Others** section, and are protected by **Pay Guard Mobile** in the same way as your **Finance** and **Shopping** apps.

9. Tap **Edit** in any section to display apps you wish to remove from **Pay Guard Mobile**, then tap the checkbox next to the app(s) and the **Trashcan** to remove them.

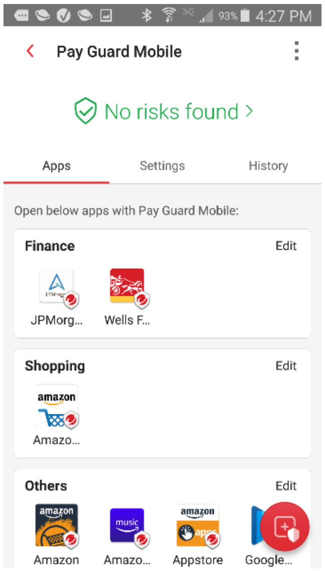


Figure 154. Others Added

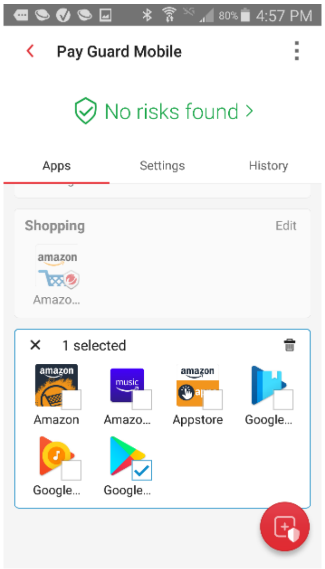


Figure 155. Select and Delete

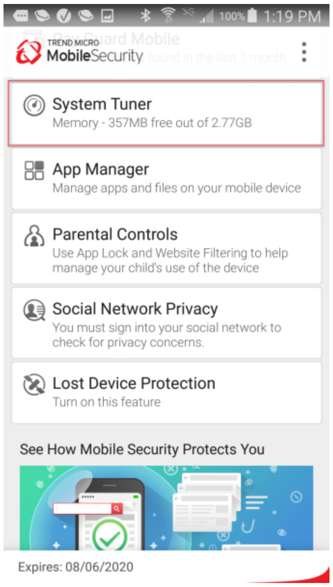
System Tuner

Mobile Security's **System Tuner** lets you optimize the battery and memory settings on your device, as well as to clean up your clipboard data, web browser and Google Play search histories. Battery optimization tools include **Just-a-Phone Mode**, to manually or automatically turn off many settings to save battery power when it's especially low; and the **Smart Power Saver**, to automatically change Wi-Fi, 3G/4G, and Bluetooth connections upon idle to also save power. You need to set **Permissions** before you can use all of the **System Tuner** features.

To use System Tuner:

1. Tap **System Tuner** in the **Mobile Security Console.** The **System Tuner** screen appears.
2. Tap **Add a shortcut to homescreen** to add a shortcut for future quick optimization of your phone, saving memory and battery.
3. The popup banner at the top tells you that Mobile Security needs more permissions before you can use all of the **System Tuner** features.

   NOTE: If you've already given **Accessibility** permissions, skip to **Step 10.**
4. Tap the popup. The **Allow Permissions** screen appears.



1:19 PM

TREND MICRO MobileSecurity

System Tuner
Memory - 357MB free out of 2.77GB

App Manager
Manage apps and files on your mobile device

Parental Controls
Use App Lock and Website Filtering to help manage your child's use of the device

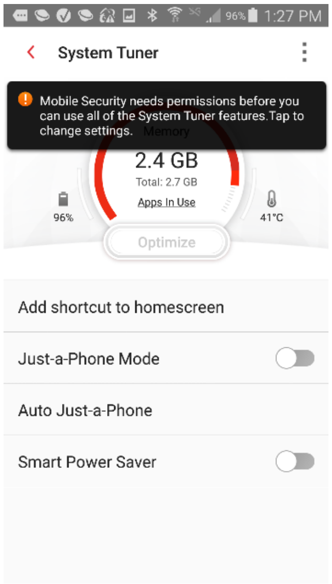
Social Network Privacy
You must sign into your social network to check for privacy concerns.

Lost Device Protection
Turn on this feature

See How Mobile Security Protects You

Expires: 08/06/2020

Figure 156. System Tuner



1:27 PM

System Tuner

Mobile Security needs permissions before you can use all of the System Tuner features.Tap to change settings.

2.4 GB
Total: 2.7 GB
Apps In Use

96%

41°C

Optimize

Add shortcut to homescreen

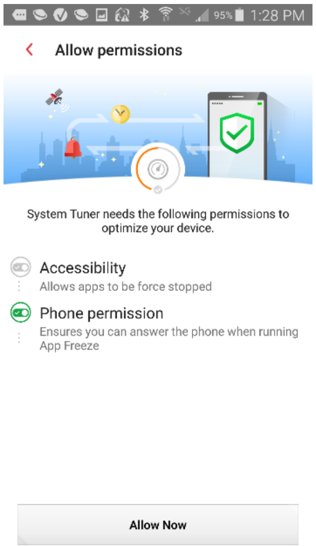
Just-a-Phone Mode

Auto Just-a-Phone

Smart Power Saver

Figure 157. System Tuner Features

5. Tap **Allow Now**. The **Accessibility** screen appears.
6. Scroll down and tap **Trend Micro Mobile Security** to allow permissions.



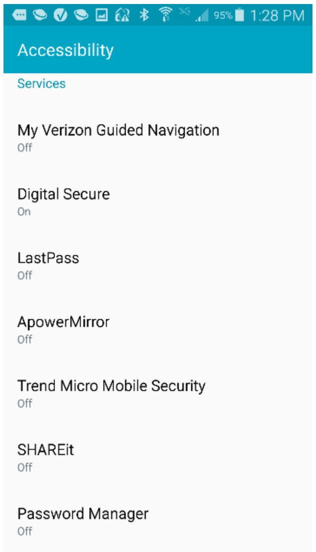
Allow permissions

System Tuner needs the following permissions to optimize your device.

Accessibility
Allows apps to be force stopped

Phone permission
Ensures you can answer the phone when running App Freeze

Figure 158. Allow Permissions



Accessibility

Services

My Verizon Guided Navigation
Off

Digital Secure
On

LastPass
Off

ApowerMirror
Off

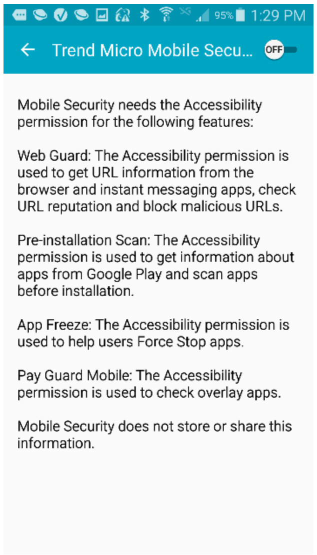
Trend Micro Mobile Security
Off

SHAREit
Off

Password Manager
Off

Figure 159. Accessibility > Trend Micro Mobile Security

7. Tap the toggle turn the **Accessibility** permission from **Off** to **On**. A popup appears to turn it on.
8. Tap **OK** to Use Trend Micro Mobile Security.



Mobile Security needs the Accessibility permission for the following features:

Web Guard: The Accessibility permission is used to get URL information from the browser and instant messaging apps, check URL reputation and block malicious URLs.

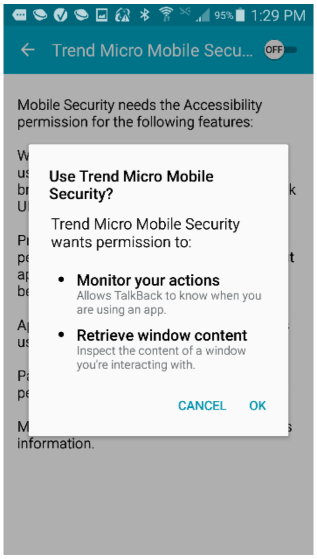
Pre-installation Scan: The Accessibility permission is used to get information about apps from Google Play and scan apps before installation.

App Freeze: The Accessibility permission is used to help users Force Stop apps.

Pay Guard Mobile: The Accessibility permission is used to check overlay apps.

Mobile Security does not store or share this information.

Figure 160. Accessibility Toggle



Mobile Security needs the Accessibility permission for the following features:

Use Trend Micro Mobile Security?

Trend Micro Mobile Security wants permission to:

- **Monitor your actions**
  Allows TalkBack to know when you are using an app.
- **Retrieve window content**
  Inspect the content of a window you're interacting with.

information.

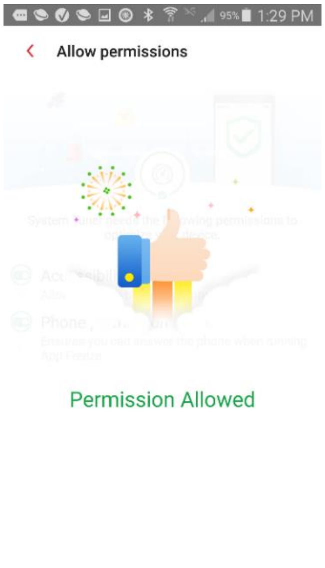
Figure 161. Use Trend Micro Mobile Security?

9. A **Permissions Allowed** screen appears, showing you've given Mobile Security the permissions it needs.

10. Now, to optimize your system, do one of two things:

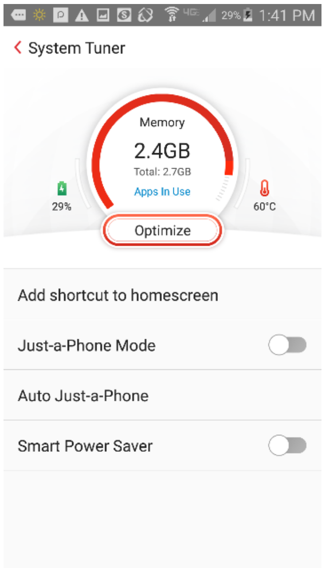
    Tap **Optimize** for a quick optimization.

    Tap **Apps in Use** link in the Optimize wheel, check those apps you wish to keep running, then tap **Optimize**.



Permission Allowed

Figure 162. Permissions Allowed



Add shortcut to homescreen

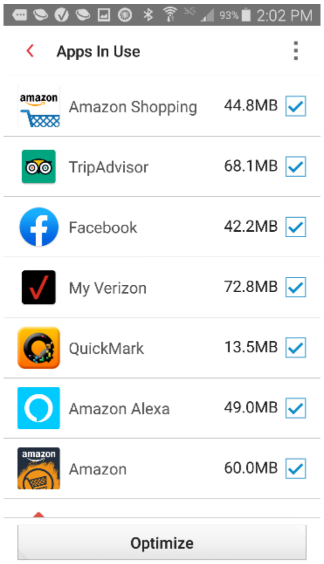
Just-a-Phone Mode

Auto Just-a-Phone

Smart Power Saver

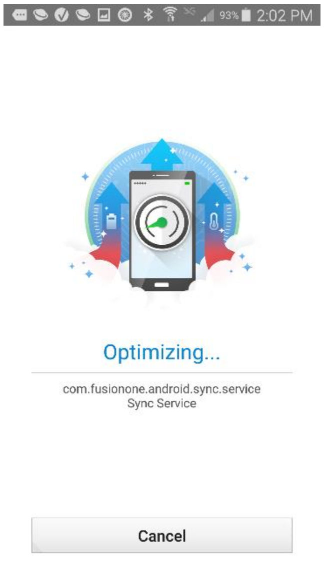
Figure 163. System Tuner > Optimize | Apps in Use

11. Mobile Security optimizes your system.



Amazon Shopping	44.8MB	☑
TripAdvisor	68.1MB	☑
Facebook	42.2MB	☑
My Verizon	72.8MB	☑
QuickMark	13.5MB	☑
Amazon Alexa	49.0MB	☑
Amazon	60.0MB	☑

Figure 164. Apps in Use

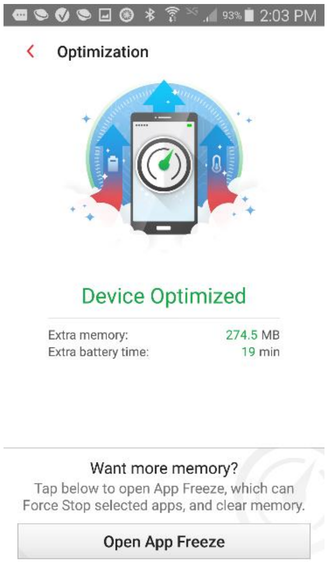


Optimizing...

com.fusionone.android.sync.service
Sync Service

Figure 165. Optimizing

12. When it’s done, you’re presented with a **Device Optimized** screen that calculates the extra memory and battery time saved.
13. To further optimize your system by doing a **Force Stop** on selected apps, tap **Open App Freeze.** The **App Freeze** screen opens.
14. Check apps you want to freeze, then tap **Stop Apps**.

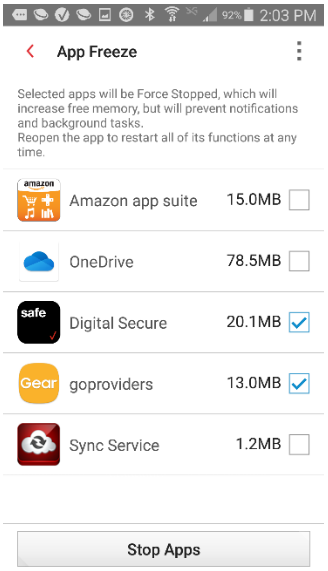


Device Optimized

Extra memory: 274.5 MB
Extra battery time: 19 min

Want more memory?
Tap below to open App Freeze, which can Force Stop selected apps, and clear memory.

Figure 166. Open App Freeze

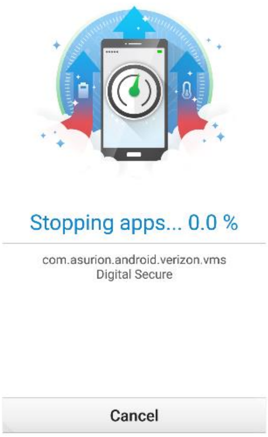


Selected apps will be Force Stopped, which will increase free memory, but will prevent notifications and background tasks.
Reopen the app to restart all of its functions at any time.

Amazon app suite	15.0MB	□
OneDrive	78.5MB	□
Digital Secure	20.1MB	☑
goproviders	13.0MB	☑
Sync Service	1.2MB	□

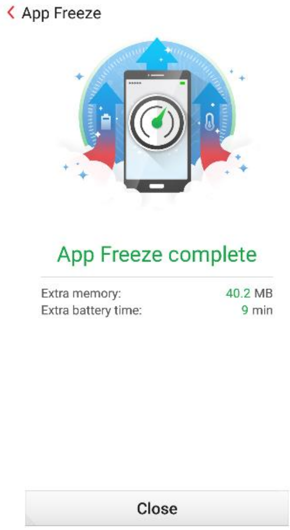
Figure 167. Stop Apps

15. Selected apps will be force stopped, optimizing memory and battery. Reopen the app to restart all of its functions at any time.
16. Note that you cannot multi-task while this operation is in progress; i.e., when Mobile Security is freezing a number of apps. Tap **Cancel** to back out, if so desired.
17. When the **App Freeze** is complete, tap **Close** to close the screen.


Stopping apps... 0.0 %

com.asurion.android.verizon.vms
Digital Secure

Figure 168. Stopping Apps



App Freeze complete

Extra memory: 40.2 MB
Extra battery time: 9 min

Figure 169. App Freeze Complete

To use Just-a-Phone Mode:

1. Tap the **Just-a-Phone Mode** toggle to the right to turn it on. The **Ready for Just-a-Phone Mode** screen appears.
2. Tap **Turn On** to enable **Just-a-Phone Mode.** The **Just-a-Phone Mode** is enabled according to the default **Just-a-Phone Options**.

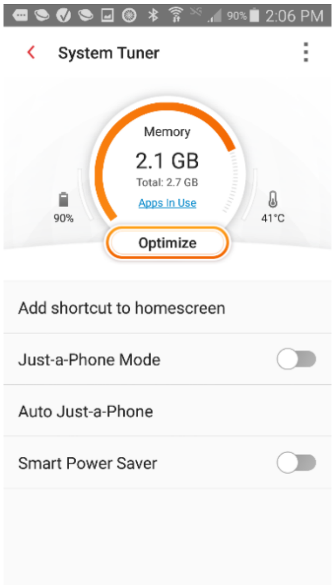
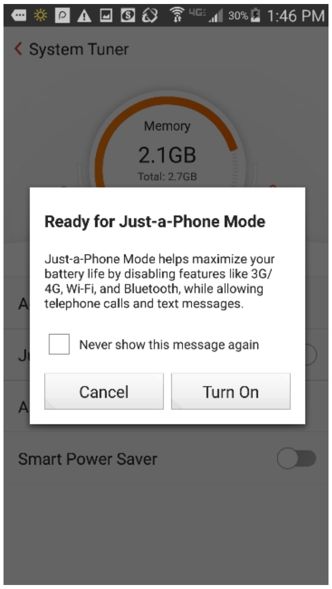


Figure 170. Just-a-Phone Mode



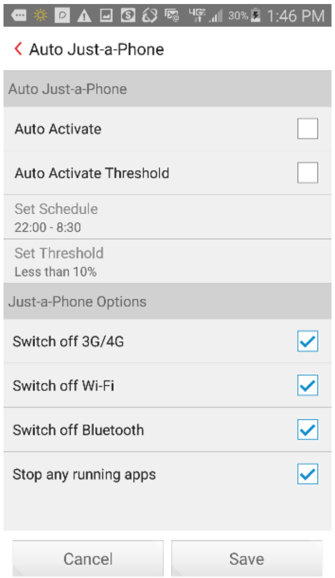
Ready for Just-a-Phone Mode

Just-a-Phone Mode helps maximize your battery life by disabling features like 3G/4G, Wi-Fi, and Bluetooth, while allowing telephone calls and text messages.

☐ Never show this message again

Figure 171. Ready for Just-a-Phone Mode

3. To adjust those options, tap **Auto Just-a-Phone.** The **Auto Just-a-Phone** screen appears.
4. Tap **Auto Activate** and **Auto Activate Threshold** to enable those auto-activate functions.
5. Tap **Set Schedule** to adjust the schedule **Start** and **Stop** times, and tap **OK**.



Auto Just-a-Phone

Auto Just-a-Phone

☐ Auto Activate

☐ Auto Activate Threshold

Set Schedule
22:00 - 8:30

Set Threshold
Less than 10%

Just-a-Phone Options

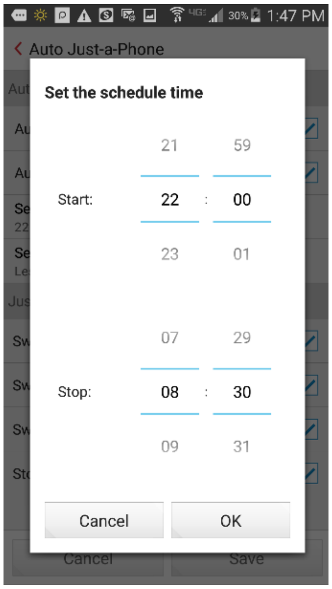
☑ Switch off 3G/4G

☑ Switch off Wi-Fi

☑ Switch off Bluetooth

☑ Stop any running apps

Figure 172. Auto Just-a-Phone



Set the schedule time

Start: 22 : 00

Stop: 08 : 30

Figure 173. Set Schedule Time

6. Tap **Set Threshold** to set the battery power threshold at which **Auto Just-a-Phone** is activated.

7. By default, the **Just-a-Phone Options** section shows all four items checked:

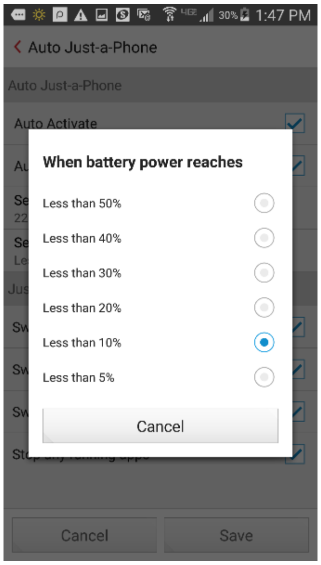
   Switch off 3G/4G

   Switch off Wi-Fi

   Switch off Bluetooth

   Stop any running apps

8. Uncheck any options you wish to keep active during **Just-a-Phone**, whether on-demand or auto-activated, and tap **Save**.



1:47 PM

Auto Just-a-Phone

When battery power reaches

Less than 50% ○

Less than 40% ○

Less than 30% ○

Less than 20% ○

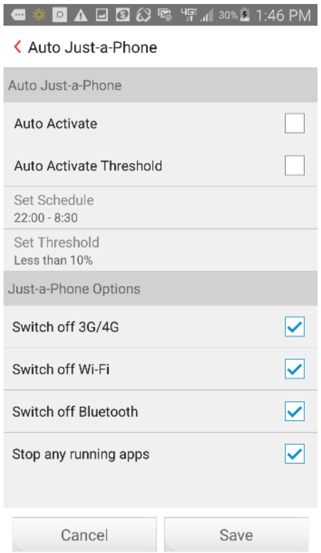
Less than 10% ●

Less than 5% ○

Cancel

Cancel | Save

Figure 174. Battery Power Threshold



1:46 PM

Auto Just-a-Phone

Auto Just-a-Phone

Auto Activate □

Auto Activate Threshold □

Set Schedule
22:00 - 8:30

Set Threshold
Less than 10%

Just-a-Phone Options

Switch off 3G/4G ☑

Switch off Wi-Fi ☑

Switch off Bluetooth ☑

Stop any running apps ☑

Cancel | Save

Figure 175. Just-a-Phone Options

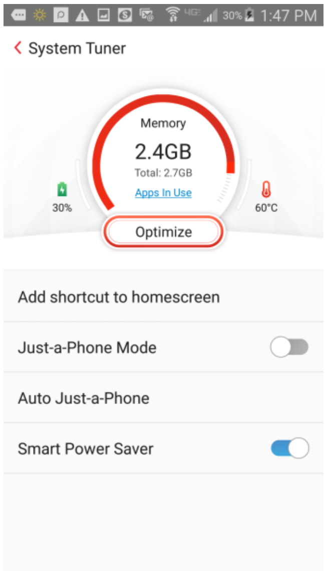
To enable Smart Power Saver:

1. Tap the **Smart Power Saver** panel to access its settings.

2. Check **Turn on Smart Power Saver** to turn it on.

3. The option to maintain your 3G/4G connection, so you can receive instant messages and email, is checked by default. Uncheck it if you wish.

4. Check/uncheck the various settings in **Smart Standby** and **Smart Wi-Fi** to enable the changes to W-Fi, 3G/4G, and Bluetooth to save power.



1:47 PM

System Tuner

Memory
2.4GB
Total: 2.7GB
Apps In Use

30% 60°C

Optimize

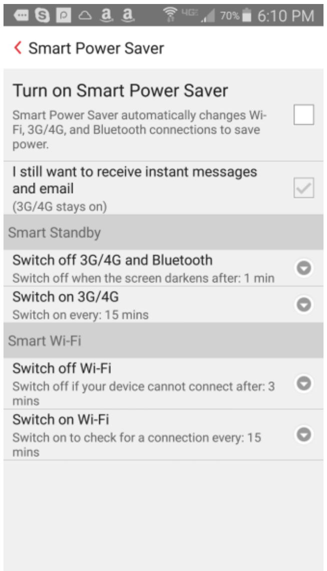
Add shortcut to homescreen

Just-a-Phone Mode

Auto Just-a-Phone

Smart Power Saver

Figure 176. Battery > Smart Power Saver



6:10 PM

Smart Power Saver

Turn on Smart Power Saver □
Smart Power Saver automatically changes Wi-Fi, 3G/4G, and Bluetooth connections to save power.

I still want to receive instant messages and email ☑
(3G/4G stays on)

Smart Standby

Switch off 3G/4G and Bluetooth
Switch off when the screen darkens after: 1 min

Switch on 3G/4G
Switch on every: 15 mins

Smart Wi-Fi

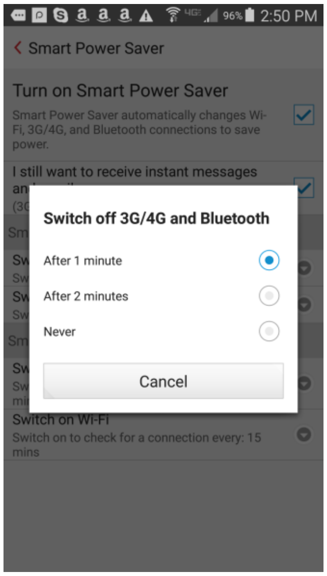
Switch off Wi-Fi
Switch off if your device cannot connect after: 3 mins

Switch on Wi-Fi
Switch on to check for a connection every: 15 mins

Figure 177. Turn On Smart Power Saver

5. For **Smart Standby**, set how long after the screen darkens to switch-off 3G/4G and Bluetooth.

6. Also for **Smart Standby**, set at what intervals 3G/4G will switch on again to make a connection for email/text messages.



Smart Power Saver

Turn on Smart Power Saver ☑

Smart Power Saver automatically changes Wi-Fi, 3G/4G, and Bluetooth connections to save power.

I still want to receive instant messages

Switch off 3G/4G and Bluetooth

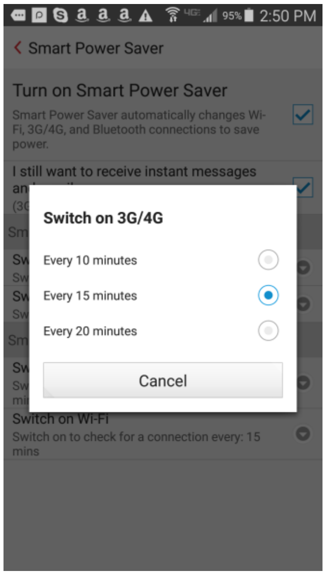
- After 1 minute ●
- After 2 minutes ○
- Never ○

Cancel

Switch on Wi-Fi

Switch on to check for a connection every: 15 mins

Figure 178. Switch Off 3G/4G and Bluetooth



Smart Power Saver

Turn on Smart Power Saver ☑

Smart Power Saver automatically changes Wi-Fi, 3G/4G, and Bluetooth connections to save power.

I still want to receive instant messages

Switch on 3G/4G

- Every 10 minutes ○
- Every 15 minutes ●
- Every 20 minutes ○

Cancel

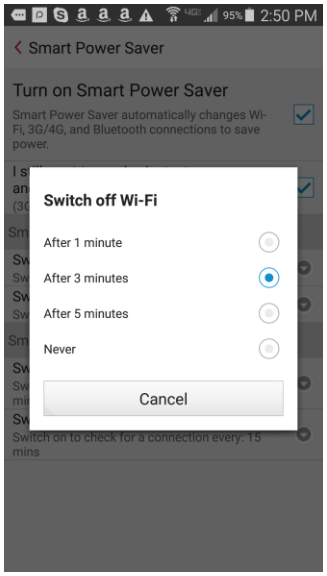
Switch on Wi-Fi

Switch on to check for a connection every: 15 mins

Figure 179. Switch On 3G/4G

7. For **Smart Wi-Fi**, set the interval to switch off Wi-Fi.

8. Again, for **Smart Wi-Fi**, set the interval when it will switch on again to make a connection.



Smart Power Saver

Turn on Smart Power Saver ☑

Smart Power Saver automatically changes Wi-Fi, 3G/4G, and Bluetooth connections to save power.

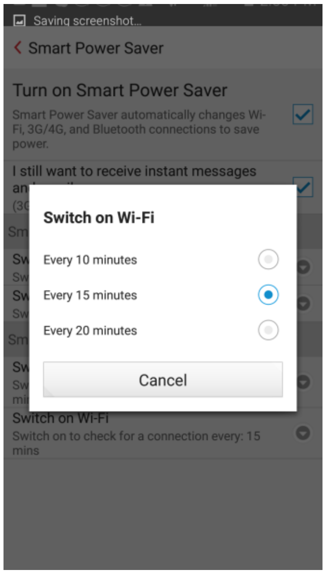
Switch off Wi-Fi

- After 1 minute ○
- After 3 minutes ●
- After 5 minutes ○
- Never ○

Cancel

Switch on to check for a connection every: 15 mins

Figure 180. Switch off Wi-Fi



Smart Power Saver

Turn on Smart Power Saver ☑

Smart Power Saver automatically changes Wi-Fi, 3G/4G, and Bluetooth connections to save power.

I still want to receive instant messages

Switch on Wi-Fi

- Every 10 minutes ○
- Every 15 minutes ●
- Every 20 minutes ○

Cancel

Switch on Wi-Fi

Switch on to check for a connection every: 15 mins

Figure 181. Switch on Wi-Fi

App Manager

App Manager lets you remove unwanted files and apps, including setup files, which can take up unnecessary memory and space on your device.

To use App Manager:

1. Tap **App Manager** to manage your apps. The **App Manager Uninstall** tab displays.
2. Using the **Sort** menu in the upper right, sort by **Size, Date, Name,** or **Last used**, if you wish.
3. Scroll down to view apps you might want to uninstall, then simply check the checkbox for it, then **Uninstall.**

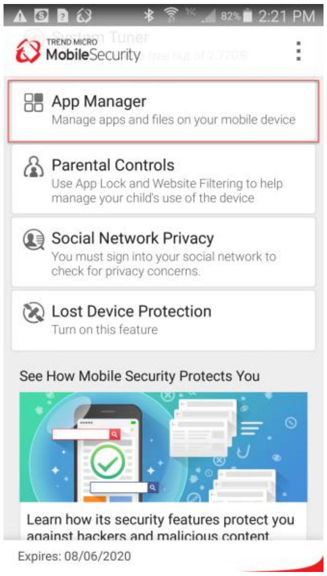

82% 2:21 PM
TREND MICRO MobileSecurity
App Manager
Manage apps and files on your mobile device
Parental Controls
Use App Lock and Website Filtering to help manage your child's use of the device
Social Network Privacy
You must sign into your social network to check for privacy concerns.
Lost Device Protection
Turn on this feature
See How Mobile Security Protects You
Learn how its security features protect you against hackers and malicious content
Expires: 08/06/2020

Figure 182. App Manager

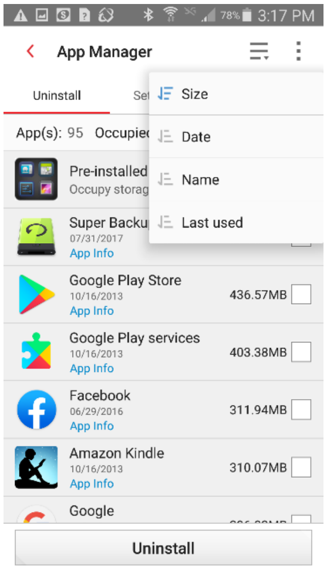
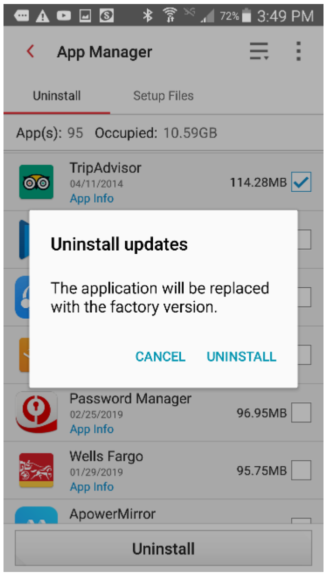


Figure 183. Sort Menu

4. A popup appears to complete the uninstall. Tap **Uninstall** to uninstall the app(s).
5. At the top, you can also tap **Pre-installed apps.** A screen appears where you can **Turn On** or **Disable** Pre-installed Apps.


Uninstall updates

The application will be replaced with the factory version.

Figure 184. Uninstall Updates

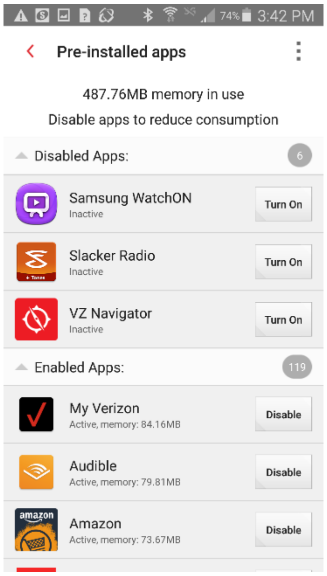
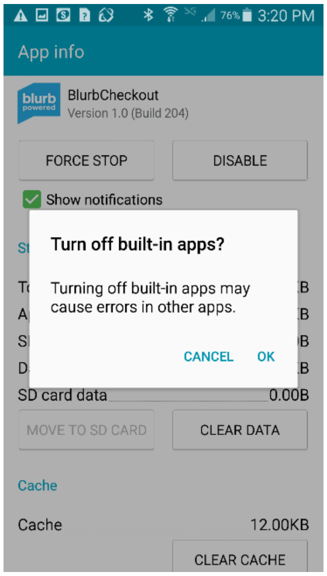


Figure 185. Pre-installed Apps

6. A popup appears asking “Turn off built-in apps? Tap **OK** to turn it off. Note that turning off built-in apps may case errors in other apps.
7. Finally, tap the **Setup Files** tab to delete APK files. Lists of **Installed** and **Not Installed** APK files appear.
8. Check those you wish to delete, then tap **Delete** to delete the APK setup files. The files are deleted.



BlurbCheckout
Version 1.0 (Build 204)

☑ Show notifications

Turn off built-in apps?

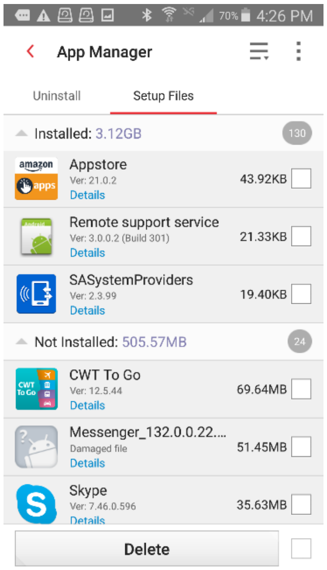
Turning off built-in apps may cause errors in other apps.

SD card data 0.00B

Cache

Cache 12.00KB

Figure 186. Turn off built-in apps?



Installed: 3.12GB (130)

Appstore Ver: 21.0.2 Details	43.92KB	□
Remote support service Ver: 3.0.0.2 (Build 301) Details	21.33KB	□
SASystemProviders Ver: 2.3.99 Details	19.40KB	□

Not Installed: 505.57MB (24)

CWT To Go Ver: 12.5.44 Details	69.64MB	□
Messenger_132.0.0.22.... Damaged file Details	51.45MB	□
Skype Ver: 7.46.0.596 Details	35.63MB	□

Figure 187. Delete Installed or Not-installed Apps

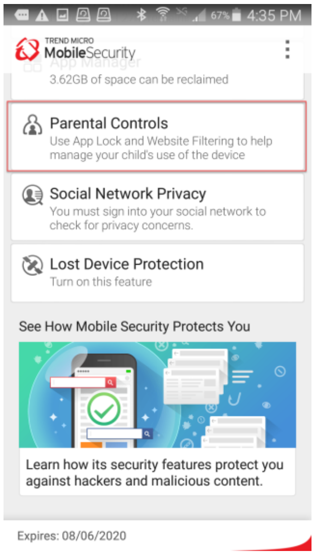
Parental Controls

Mobile Security's **Parental Controls** lets you lock apps and block inappropriate websites to help protect your children.

Users are strongly encouraged to enable **Uninstall Protection** to protect these and the **Lost Device Protection** settings on your device. This can be done in **Lost Device Protection** following the next section.

To use Parental Controls:

1. Tap **Parental Controls** to access its settings. The **Password** screen appears.
2. Enter your **Trend Micro Account Password** to unlock the **Parental Control** settings screens. The **App Lock** screen appears, with the toggle turned **Off.**



App Manager

3.62GB of space can be reclaimed

Parental Controls
Use App Lock and Website Filtering to help manage your child's use of the device

Social Network Privacy
You must sign into your social network to check for privacy concerns.

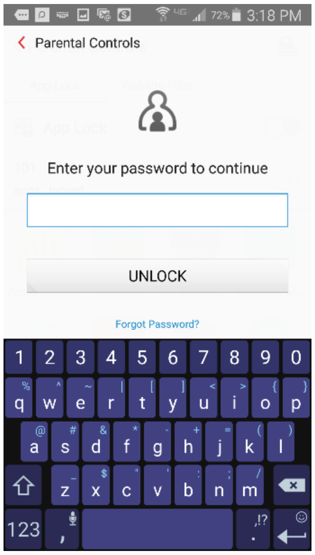
Lost Device Protection
Turn on this feature

See How Mobile Security Protects You

Learn how its security features protect you against hackers and malicious content.

Expires: 08/06/2020

Figure 188. Parental Controls



Enter your password to continue

Figure 189. Enter Password

3. If you wish, tap the **Lock Settings** icon in the upper right corner of the screen to change your **Password** to a **Pattern** or a **PIN**, which may be easier to remember. The **Lock Settings** screen appears.

4. Tap **Pattern** if you wish to create a **Pattern** Lock.

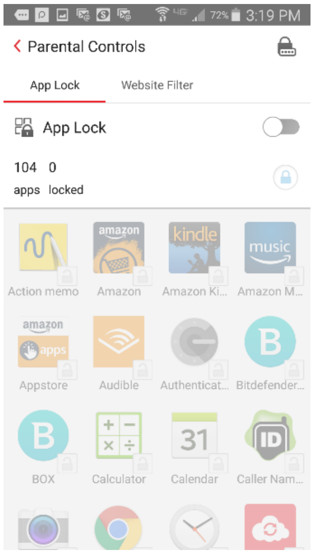


Figure 190. App Lock

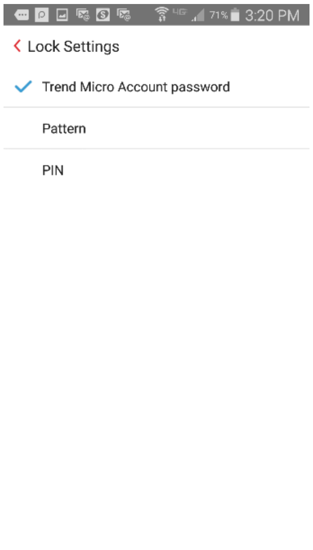


Figure 191. Lock Settings

5. Draw a **Pattern** and when prompted, draw it again to confirm it and tap **OK**.

   NOTE: Use a less obvious, more complicated pattern than the one shown, to increase your protection.

   Your password changes to the unlock pattern you've specified.

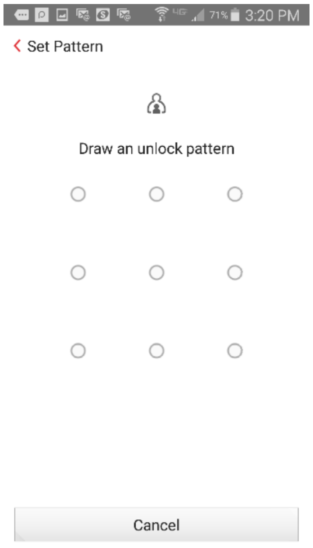


Figure 192. Set Pattern

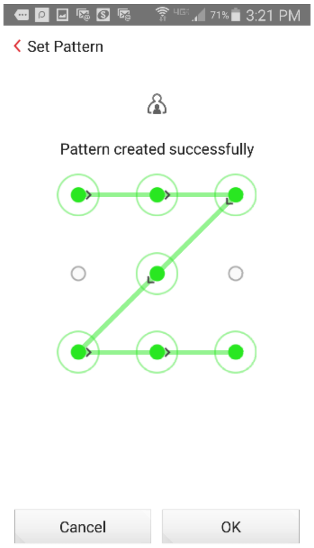


Figure 193. Pattern Created Successfully

6. Similarly, tap **PIN** if you wish to use a 4-digit PIN. The **Set PIN** screen appears.
7. Type in a 4-digit PIN, then enter it again to confirm it, and tap **OK**. Your PIN is created successfully.
8. You'll use the **Pattern** or **PIN** when you want to make non-critical changes to your Mobile Security settings. For changes Trend Micro deems critical, you'll still need your **Trend Micro Account Password.**

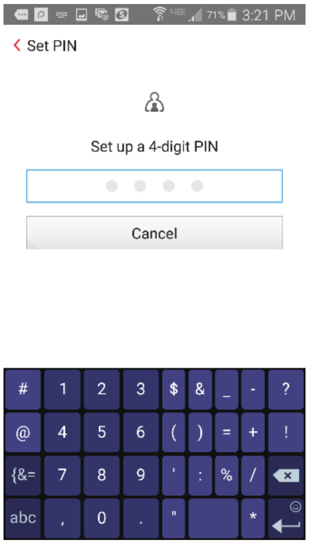


Figure 194. Set Up a 4-digit PIN

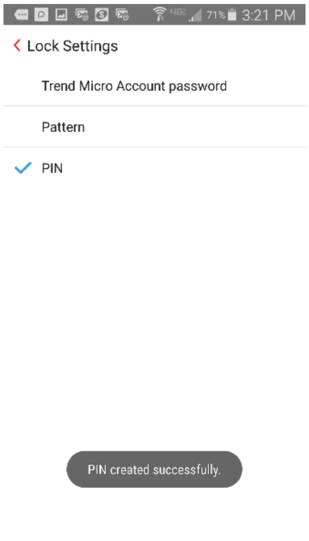


Figure 195. PIN Created Successfully

To configure App Lock:

1. Tap the **App Lock** toggle to turn the function **On**. A demo screen appears; tap **OK** to close it. **App Lock** is turned on and your device **Settings** app is locked by default.
2. Tap **Apps** you wish to lock. The apps you add to the **App Lock** list will prompt you to enter the unlock key when you open them for use.
3. Note the **Lock** icon below the **App Lock On/Off** toggle. When selected, those apps you've locked appear at the top, sorted alphabetically. Tap the lock **Off** to return to a basic alphabetical sort ordered by all the apps on your device.

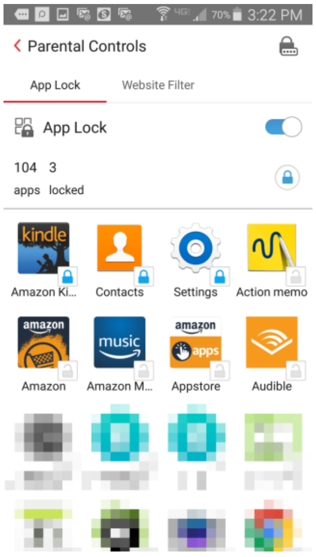


Figure 196. App Lock > Lock Sort

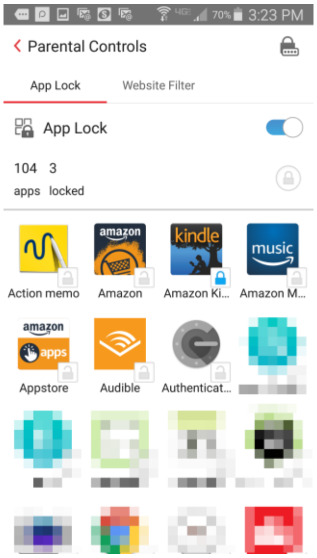


Figure 197. Apps Locked > Alphabetical Sort

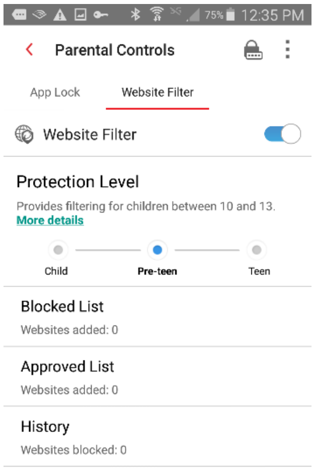
To configure Website Filter:

1. Tap the **Website Filter** toggle to turn it **On**. A demo screen appears; tap **Close** to close it. The **Protection Level** is **Teen** by default.
2. Set your **Protection Level** by tapping the selection button for the preferred level:

   Child. Provides filtering for children 9 or younger.

   Pre-teen. Provides filtering for children between 10 and 13.

   Teen. Provides filtering for young adults between 14 and 18.
3. Tap **Blocked List** to add a website you wish to block. The **Blocked List** appears.
4. Tap **Add**. The **Lock** screen appears.
5. Enter your **Trend Micro Password, PIN, or Pattern** and tap **OK.** The **Add** popup appears.
6. Type a **Name** for the website block, then enter the actual URL for the **Website** and tap **Save**. The website is added to the **Blocked List.**
7. You can now test for web threats and filtered websites. (The settings apply to your Native Android browser and Chrome only.)



Website Filter: On

Protection Level

Provides filtering for children between 10 and 13.

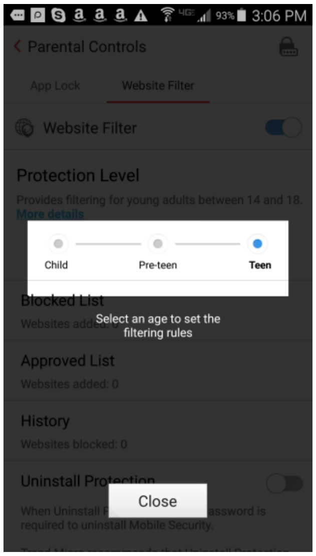
More details

Blocked List: Websites added: 0

Approved List: Websites added: 0

History: Websites blocked: 0

Figure 198. Website Filter



Website Filter

Protection Level

Provides filtering for young adults between 14 and 18.

More details

Select an age to set the filtering rules

Blocked List: Websites adde

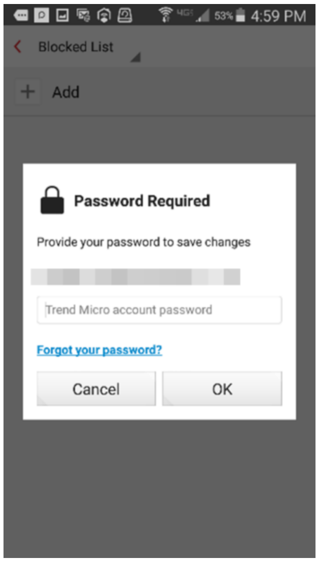
Approved List: Websites added: 0

History: Websites blocked: 0

Uninstall Protection

When Uninstall P assword is required to uninstall Mobile Security.

Figure 199. Website Filter Demo

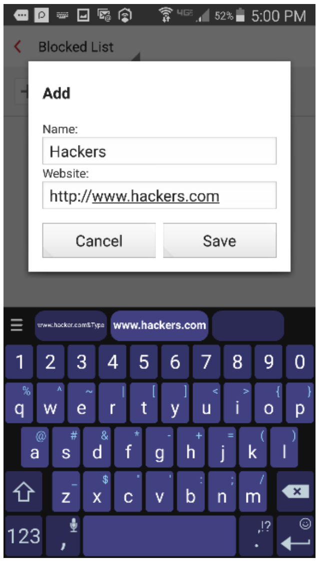


Password Required

Provide your password to save changes

Trend Micro account password

Figure 200. Password Required

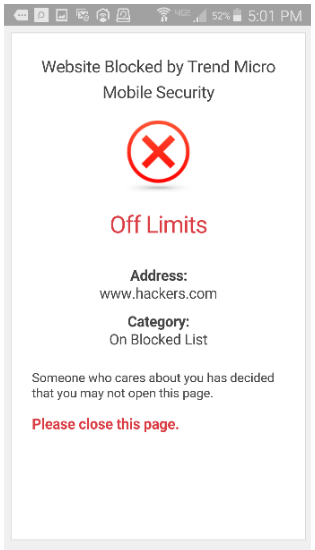


Name: Hackers

Website: http://www.hackers.com

Figure 201. Blocked List

8. Enter a URL into your browser's search field that you know or suspect is dangerous.
9. **OR:** Enter a URL that is inappropriate for the **Protection Level** you've designated for your children.
10. **OR:** Enter a URL you've put on the **Blocked List.**
11. In each case, **Mobile Security** will block the website and display a warning.



Website Blocked by Trend Micro Mobile Security

Off Limits

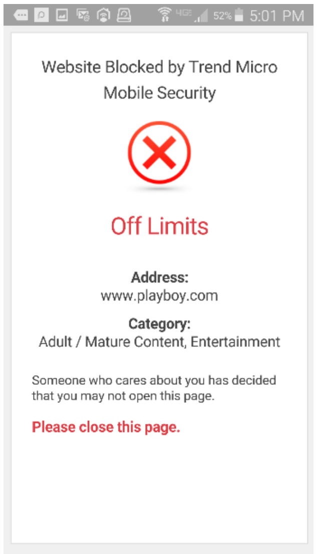
Address: www.hackers.com

Category: On Blocked List

Someone who cares about you has decided that you may not open this page.

Please close this page.

Figure 202. Dangerous Page



Website Blocked by Trend Micro Mobile Security

Off Limits

Address: www.playboy.com

Category: Adult / Mature Content, Entertainment

Someone who cares about you has decided that you may not open this page.

Please close this page.

Figure 203. Off Limits

12. Tap **Approved List** to add a website to the **Approved List**; then repeat the instructions given above for adding the URL.
13. Tap **History** to view a history of blocked webpages.

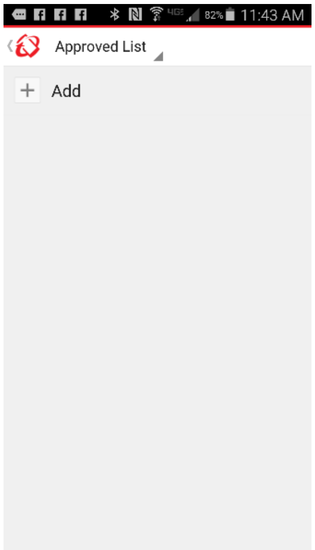
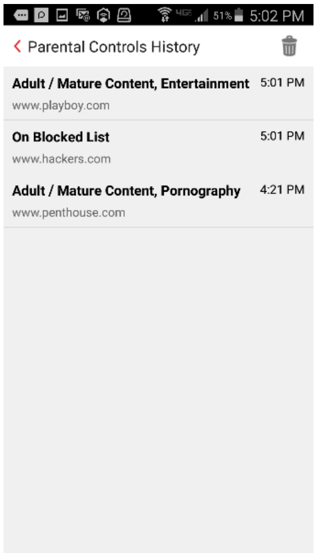


Figure 204. Approved List



Adult / Mature Content, Entertainment 5:01 PM
www.playboy.com

On Blocked List 5:01 PM
www.hackers.com

Adult / Mature Content, Pornography 4:21 PM
www.penthouse.com

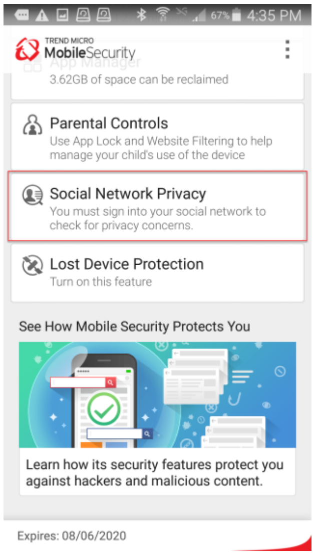
Figure 205. Parental Controls History

Social Network Privacy

Trend Micro Mobile Security also includes a **Social Network Privacy** scanner to help edit your Facebook and Twitter Privacy Settings.

To access Facebook Privacy Scanner:

1. Tap **Social Network Privacy** in the main Mobile Security Console. The **Remove Privacy Risks** screen appears, with the **Facebook** tab selected by default, right alongside the **Twitter** tab.
2. Tap **Sign into Facebook** to check your privacy settings. The **Facebook Login** screen appears.



3.62GB of space can be reclaimed

Parental Controls
Use App Lock and Website Filtering to help manage your child's use of the device

Social Network Privacy
You must sign into your social network to check for privacy concerns.

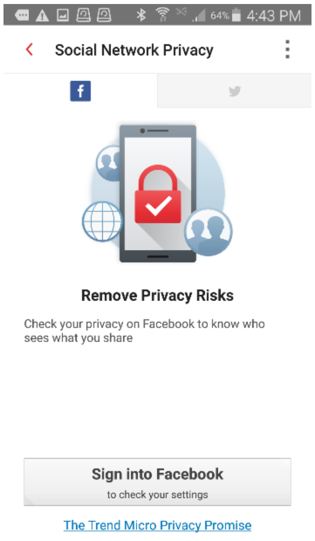
Lost Device Protection
Turn on this feature

See How Mobile Security Protects You

Learn how its security features protect you against hackers and malicious content.

Expires: 08/06/2020

Figure 206. Scan Facebook



Remove Privacy Risks

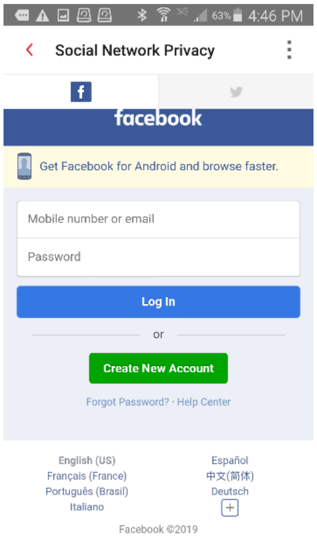
Check your privacy on Facebook to know who sees what you share

Sign into Facebook
to check your settings

The Trend Micro Privacy Promise

Figure 207. Remove Privacy Risks

3. Enter the email address and password you use to sign into Facebook and tap **Log In**. **Facebook Privacy Scanner** checks your privacy settings.
4. When it’s done checking, it presents you with the result.



Get Facebook for Android and browse faster.

Mobile number or email

Password

Log In

or

Create New Account

Forgot Password? · Help Center

English (US) Español
Français (France) 中文(简体)
Português (Brasil) Deutsch
Italiano

Facebook ©2019

Figure 208. Enter Facebook Email Address and Password

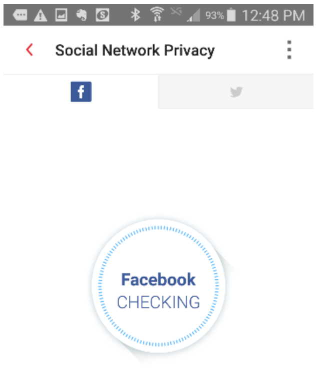
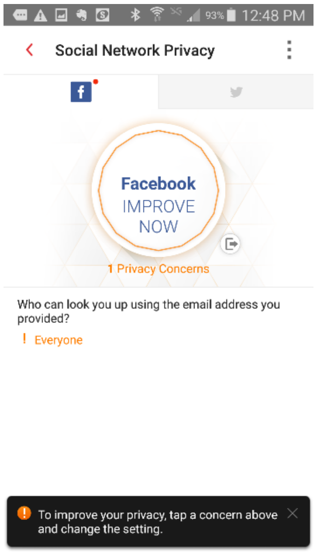


Figure 209. Checking Your Privacy Settings

5. Tap the recommended concern or simply **Improve Now.**
6. In this example, a popup appears to **Improve All Concerns**, to change the setting from **Everyone** to **Friends** to increase your privacy
7. Tap **Improve**.

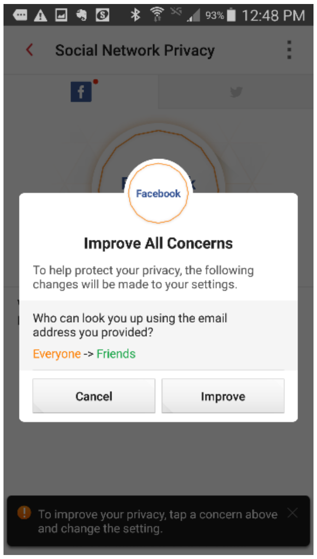


Who can look you up using the email address you provided?

! Everyone

To improve your privacy, tap a concern above and change the setting.

Figure 210. 1 Privacy Concern



Improve All Concerns

To help protect your privacy, the following changes will be made to your settings.

Who can look you up using the email address you provided?

Everyone -> Friends

To improve your privacy, tap a concern above and change the setting.

Figure 211. Editing Privacy Settings

8. **Privacy Scanner** presents an **Improving** screen, makes the change, and returns the result, saying **Nice Work! You don't have any privacy concerns.**
9. Since Facebook periodically changes its privacy policies or adds new features to the social network, you should periodically rescan your privacy settings to ensure your privacy.

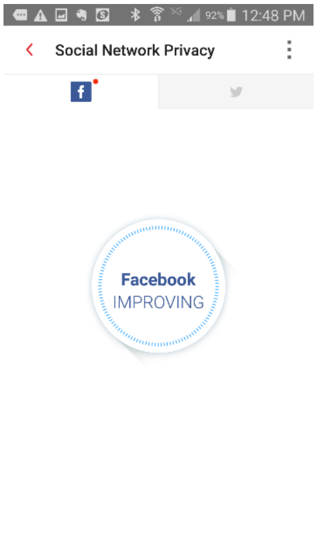
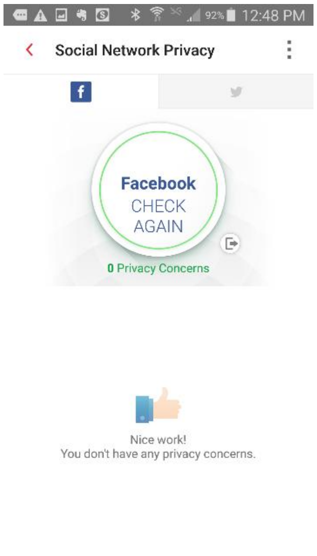


Figure 212. Improving

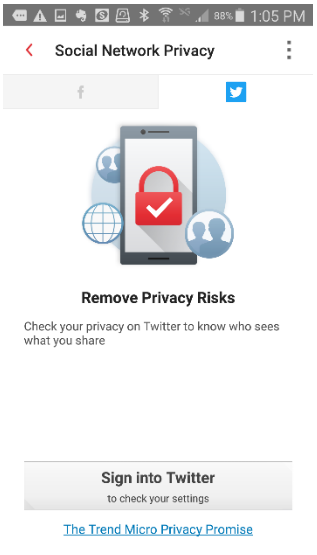


Nice work!
You don't have any privacy concerns.

Figure 213. Nice Work! No Privacy Concerns

To access Twitter Privacy Scanner:

1. The **Twitter Privacy Scanner** works in the same way as that for Facebook.
2. Tap the **Twitter** tab and **Sign Into Twitter.** The Twitter Log In page appears.
3. Enter your phone, email, or username, then your password and tap **Log In.**



88% 1:05 PM

Social Network Privacy

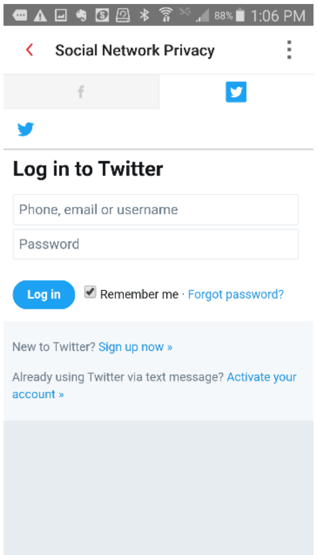
Remove Privacy Risks

Check your privacy on Twitter to know who sees what you share

Sign into Twitter
to check your settings

The Trend Micro Privacy Promise

Figure 214. Remove Privacy Risks



88% 1:06 PM

Social Network Privacy

Log in to Twitter

Phone, email or username

Password

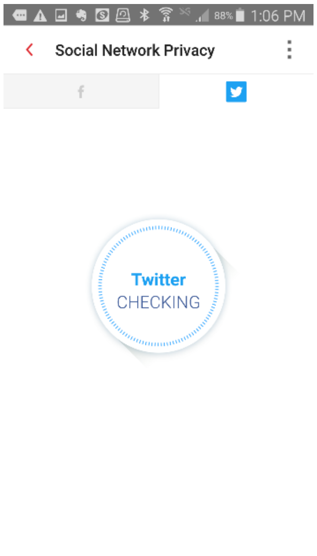
Log in ☑ Remember me · Forgot password?

New to Twitter? Sign up now »

Already using Twitter via text message? Activate your account »

Figure 215. Log in to Twitter

4. **Twitter Privacy Scanner** scans your privacy settings and returns the result.
5. If a setting or more needs changes, tap **Improve Now** as before.
6. In this example, the scanner reveals **Nice work! You don't have any privacy concerns.**
7. You should periodically check your Twitter privacy settings in case Twitter changes its criteria for privacy.

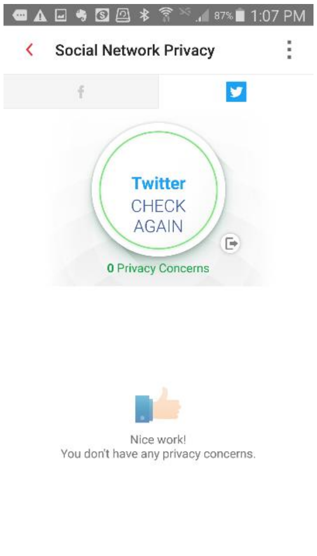


88% 1:06 PM

Social Network Privacy

Twitter
CHECKING

Figure 216. Checking Twitter



87% 1:07 PM

Social Network Privacy

Twitter
CHECK AGAIN

0 Privacy Concerns

Nice work!
You don't have any privacy concerns.

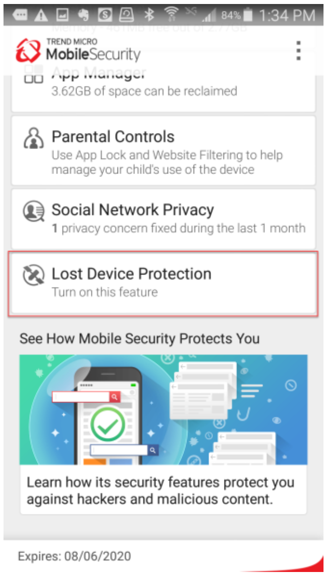
Figure 217. Nice Work! No Privacy Concerns

Lost Device Protection and Uninstall Protection

To enable Lost Device Protection and Uninstall Protection:

1. Back in the main **Console,** tap **Lost Device Protection.** The login screen appears.
2. Enter your **Password, Pattern,** or **PIN.**

   NOTE: If you've already activated permissions for **Lost Device Protection** and **Uninstall Protection,** skip to Step 8.



3.62GB of space can be reclaimed

Use App Lock and Website Filtering to help manage your child's use of the device

1 privacy concern fixed during the last 1 month

Learn how its security features protect you against hackers and malicious content.

Expires: 08/06/2020

Figure 218. Lost Device Protection

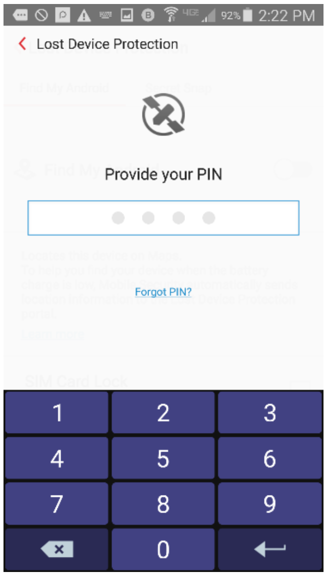
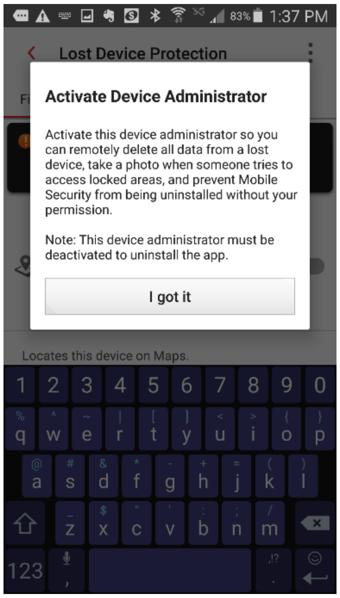


Figure 219. Password, Pattern, or PIN

3. The **Activate Device Administrator** popup appears. You'll have to activate it to control your device remotely. This allows **Secret Snapshot** to work and to prevent Mobile Security from being uninstalled without your permission.
4. Tap **I got it.** The **Lost Device Protection** screen appears, with a popup asking for permission before you can use all of the features.
5. Tap the popup. The **Allow Permissions** screen appears.

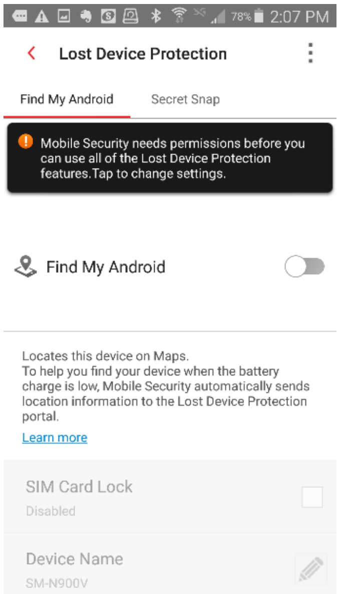


Activate Device Administrator

Activate this device administrator so you can remotely delete all data from a lost device, take a photo when someone tries to access locked areas, and prevent Mobile Security from being uninstalled without your permission.

Note: This device administrator must be deactivated to uninstall the app.

Figure 220. Activate Device Administrator

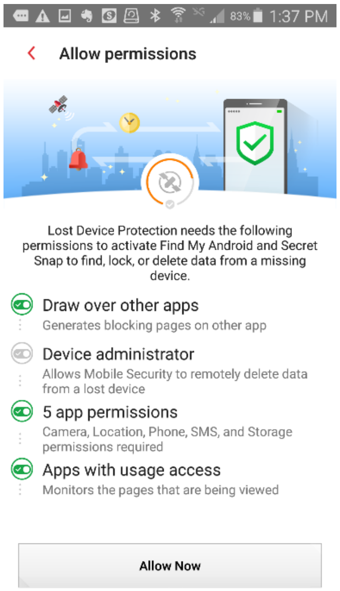


Mobile Security needs permissions before you can use all of the Lost Device Protection features.Tap to change settings.

Locates this device on Maps.
To help you find your device when the battery charge is low, Mobile Security automatically sends location information to the Lost Device Protection portal.

Figure 221. Permissions Required

6. Tap **Allow Now.** The **Activate Phone Administrator** screen appears.
7. Tap **Activate**. The **Phone Administrator** permission for **Mobile Security** is activated.



83% 1:37 PM

Allow permissions

Lost Device Protection needs the following permissions to activate Find My Android and Secret Snap to find, lock, or delete data from a missing device.

Draw over other apps
Generates blocking pages on other app

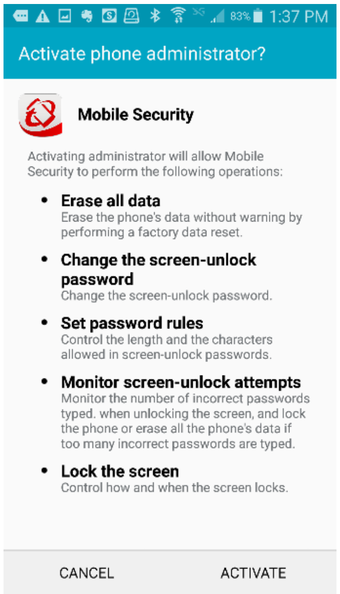
Device administrator
Allows Mobile Security to remotely delete data from a lost device

5 app permissions
Camera, Location, Phone, SMS, and Storage permissions required

Apps with usage access
Monitors the pages that are being viewed

Allow Now

Figure 222. Allow Permissions



83% 1:37 PM

Activate phone administrator?

Mobile Security

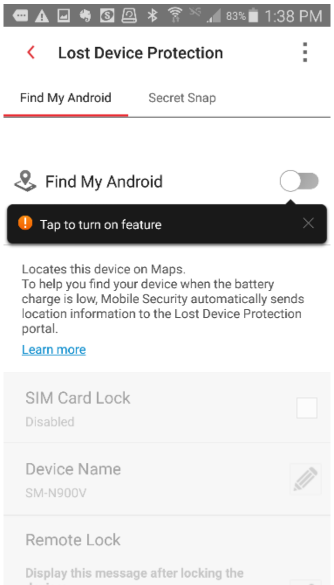
Activating administrator will allow Mobile Security to perform the following operations:

- **Erase all data**
  Erase the phone's data without warning by performing a factory data reset.
- **Change the screen-unlock password**
  Change the screen-unlock password.
- **Set password rules**
  Control the length and the characters allowed in screen-unlock passwords.
- **Monitor screen-unlock attempts**
  Monitor the number of incorrect passwords typed. when unlocking the screen, and lock the phone or erase all the phone's data if too many incorrect passwords are typed.
- **Lock the screen**
  Control how and when the screen locks.

CANCEL ACTIVATE

Figure 223. Activate Phone Administrator

8. Back in the **Lost Device Protection** screen, tap the toggle **Find My Android** to turn it on.
9. You now have five options displayed:
10. Tap **SIM Card Lock** if you wish to lock your device when the SIM card is changed or removed. A screen appears, requiring your **Password, Pattern,** or **PIN.**
11. Enter it and tap **OK**. **SIM Card Lock** is enabled.



83% 1:38 PM

Lost Device Protection

Find My Android Secret Snap

Find My Android

Tap to turn on feature

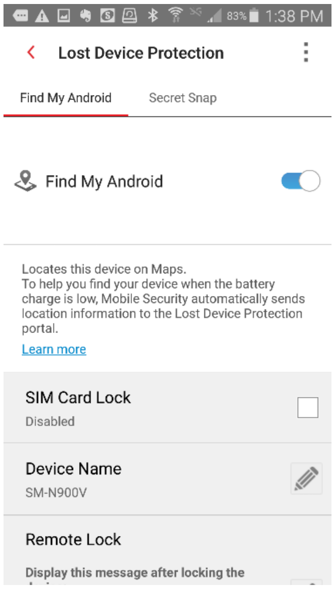
Locates this device on Maps.
To help you find your device when the battery charge is low, Mobile Security automatically sends location information to the Lost Device Protection portal.
Learn more

SIM Card Lock
Disabled

Device Name
SM-N900V

Remote Lock
Display this message after locking the

Figure 224. Find My Android



83% 1:38 PM

Lost Device Protection

Find My Android Secret Snap

Find My Android

Locates this device on Maps.
To help you find your device when the battery charge is low, Mobile Security automatically sends location information to the Lost Device Protection portal.
Learn more

SIM Card Lock ☐
Disabled

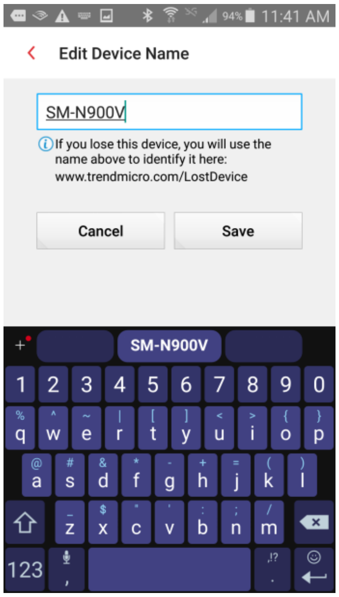
Device Name
SM-N900V

Remote Lock
Display this message after locking the

Figure 225. Find My Android Toggle On

12. Tap the **Device Name** panel edit pencil to change your device's name, make your changes in the edit window, and tap **Save**.

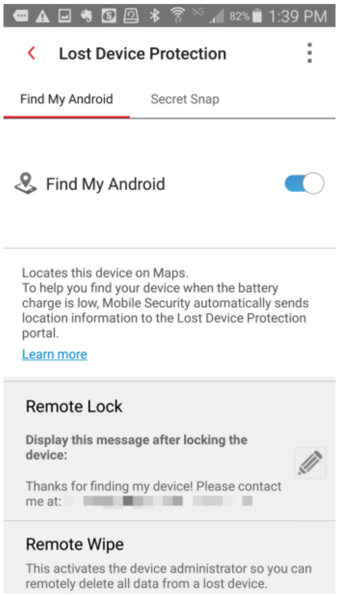
13. Tap **Remote Lock** to edit the message displayed after locking your device. The **Edit Message** screen appears.



SM-N900V

If you lose this device, you will use the name above to identify it here: www.trendmicro.com/LostDevice

Figure 226. Edit Device Name



Find My Android

Locates this device on Maps.
To help you find your device when the battery charge is low, Mobile Security automatically sends location information to the Lost Device Protection portal.

Remote Lock

Display this message after locking the device:

Thanks for finding my device! Please contact me at: [redacted]

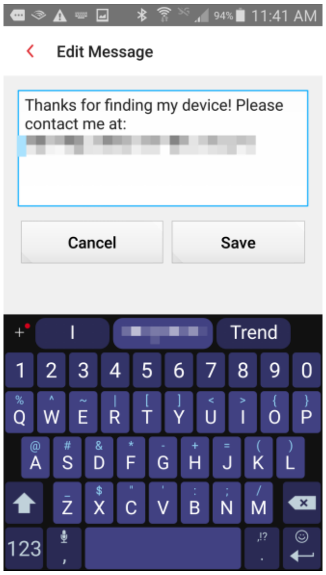
Remote Wipe

This activates the device administrator so you can remotely delete all data from a lost device.

Figure 227. Remote Lock

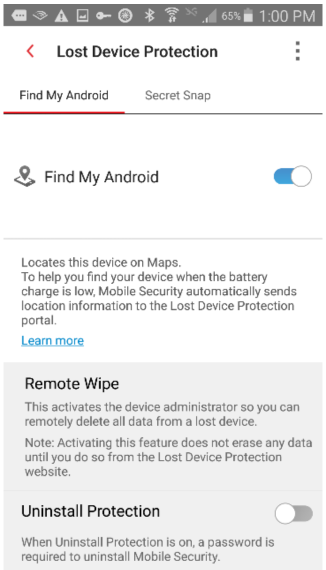
14. Make your changes in the **Edit Message** screen, and tap **Save**. Your message changes are saved.

15. **Remote Wipe** lets you delete all content from the **Lost Device Protection** website in the event your device is lost or stolen. **Remote Wipe** is enabled when **Phone Administrator** is turned on.



Thanks for finding my device! Please contact me at: [redacted]

Figure 228. Edit Message



Find My Android

Locates this device on Maps.
To help you find your device when the battery charge is low, Mobile Security automatically sends location information to the Lost Device Protection portal.

Remote Wipe

This activates the device administrator so you can remotely delete all data from a lost device.

Note: Activating this feature does not erase any data until you do so from the Lost Device Protection website.

Uninstall Protection

When Uninstall Protection is on, a password is required to uninstall Mobile Security.

Figure 229. Uninstall Protection Toggle

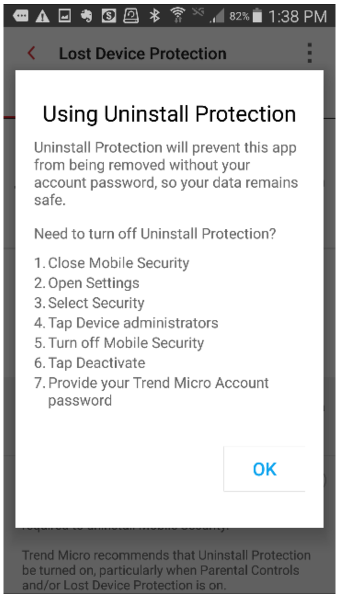
Using Uninstall Protection

16. Tap **Uninstall Protection** to toggle it on.

17. A popup appears, **Using Uninstall Protection**, which will prevent this app from being removed without your account password, so your **Parental Controls** and **Lost Device** remain safe.

18. Read the popup carefully, so you can turn off **Uninstall Protection** if you need to later.

19. Tap **OK** to turn it on. Now a Trend Micro Account Password is required to uninstall **Mobile Security.**



Using Uninstall Protection

Uninstall Protection will prevent this app from being removed without your account password, so your data remains safe.

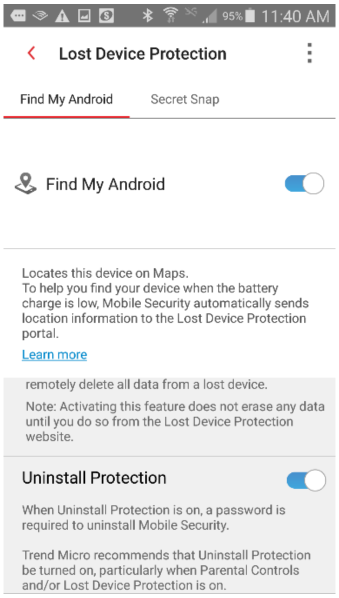
Need to turn off Uninstall Protection?

1. Close Mobile Security
2. Open Settings
3. Select Security
4. Tap Device administrators
5. Turn off Mobile Security
6. Tap Deactivate
7. Provide your Trend Micro Account password

OK

Trend Micro recommends that Uninstall Protection be turned on, particularly when Parental Controls and/or Lost Device Protection is on.

Figure 230. Using Uninstall Protection



Find My Android

Locates this device on Maps.
To help you find your device when the battery charge is low, Mobile Security automatically sends location information to the Lost Device Protection portal.
Learn more

remotely delete all data from a lost device.

Note: Activating this feature does not erase any data until you do so from the Lost Device Protection website.

Uninstall Protection

When Uninstall Protection is on, a password is required to uninstall Mobile Security.

Trend Micro recommends that Uninstall Protection be turned on, particularly when Parental Controls and/or Lost Device Protection is on.

Figure 231. Uninstall Protection Toggled On

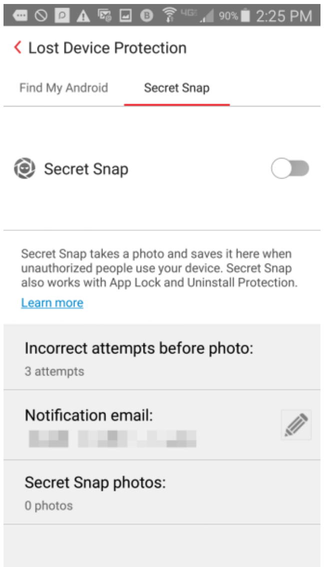
To Use Secret Snap:

1. Tap **Secret Snap** to set your device to take a photo after a number of incorrect attempts to unlock your device. The **Secret Snap** editor appears.

2. Tap the toggle to turn **Secret Snap** from **Off** to **On**.

   NOTE: If you've already **Activated Phone Administrator**, skip to **Step 5.**

3. If you haven't activated the phone administrator before, **Activate Phone Administrator** screen appears.



Secret Snap

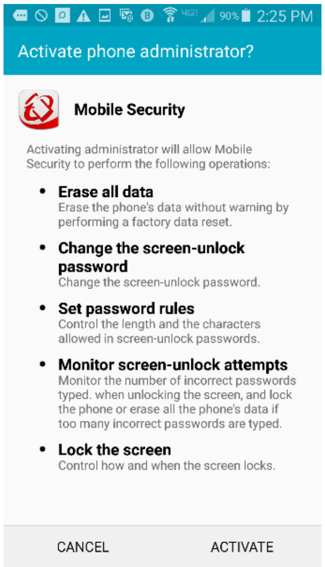
Secret Snap takes a photo and saves it here when unauthorized people use your device. Secret Snap also works with App Lock and Uninstall Protection.
Learn more

Incorrect attempts before photo:
3 attempts

Notification email:
[redacted]

Secret Snap photos:
0 photos

Figure 232. Secret Snap



Activate phone administrator?

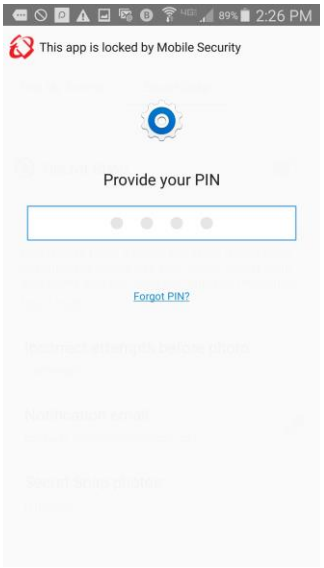
Mobile Security

Activating administrator will allow Mobile Security to perform the following operations:

- **Erase all data**
  Erase the phone's data without warning by performing a factory data reset.
- **Change the screen-unlock password**
  Change the screen-unlock password.
- **Set password rules**
  Control the length and the characters allowed in screen-unlock passwords.
- **Monitor screen-unlock attempts**
  Monitor the number of incorrect passwords typed. when unlocking the screen, and lock the phone or erase all the phone's data if too many incorrect passwords are typed.
- **Lock the screen**
  Control how and when the screen locks.

Figure 233. Activate Phone Administrator

4. Tap **Activate**.
5. The **Password, Pattern,** or **PIN** screen appears.
6. In this example, provide your **PIN** and **Secret Snap** is turned on.
7. Tap the panel to set the number of incorrect attempts to access your device before a photo is taken.


89% 2:26 PM

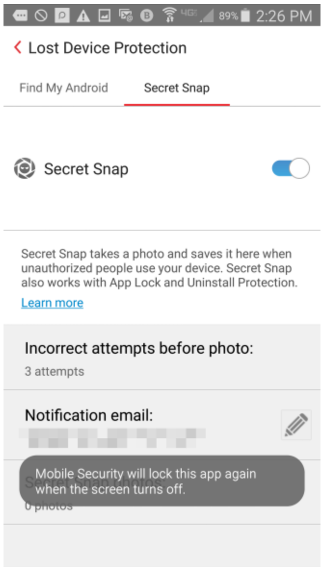
This app is locked by Mobile Security

Provide your PIN

● ● ● ●

Forgot PIN?

Figure 234. Provide your PIN


89% 2:26 PM

< Lost Device Protection

Find My Android | Secret Snap

Secret Snap

Secret Snap takes a photo and saves it here when unauthorized people use your device. Secret Snap also works with App Lock and Uninstall Protection.
Learn more

Incorrect attempts before photo:
3 attempts

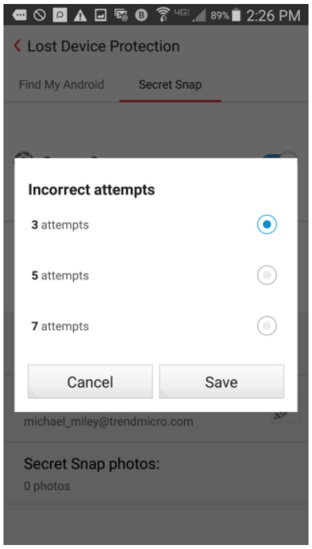
Notification email:
[redacted]

Mobile Security will lock this app again when the screen turns off.

0 photos

Figure 235. Secret Snap

8. Choose 3, 5, or 7 attempts and tap **Save**.
9. Tap the **Notification Email** pencil to change the email address where the photo notification will be sent, then tap **Save**. You'll be able to view the photos taken in this email.


89% 2:26 PM

< Lost Device Protection

Find My Android | Secret Snap

Incorrect attempts

3 attempts ●

5 attempts ○

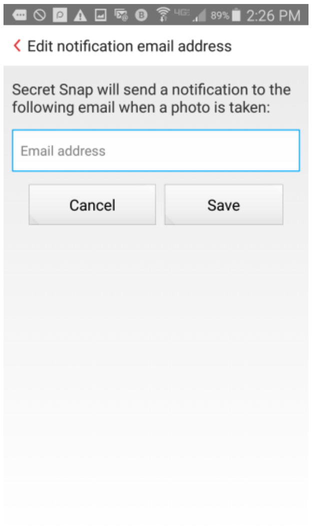
7 attempts ○

Cancel | Save

michael_miley@trendmicro.com

Secret Snap photos:
0 photos

Figure 236. Incorrect Attempts


89% 2:26 PM

< Edit notification email address

Secret Snap will send a notification to the following email when a photo is taken:

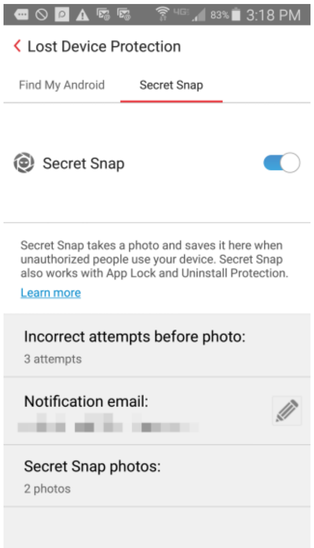
Email address

Cancel | Save

Figure 237. Email for Notification

10. After you've recovered your phone, you can review any photos stored on your device by tapping the **Secret Snap Photos** panel. The photo list appears.

11. Tap a photo to view it, or tap the **Trashcan** to delete it.



3:18 PM

Lost Device Protection

Secret Snap

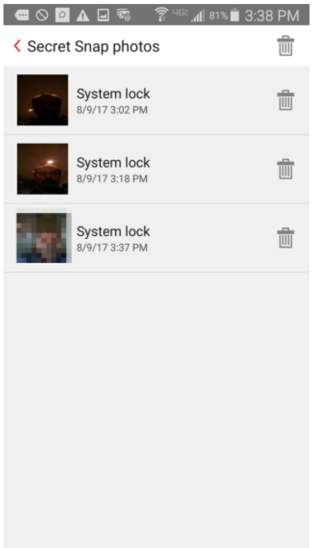
Secret Snap takes a photo and saves it here when unauthorized people use your device. Secret Snap also works with App Lock and Uninstall Protection.
Learn more

Incorrect attempts before photo:
3 attempts

Notification email:
[redacted]

Secret Snap photos:
2 photos

Figure 238. Secret Snap Photos



3:38 PM

Secret Snap photos

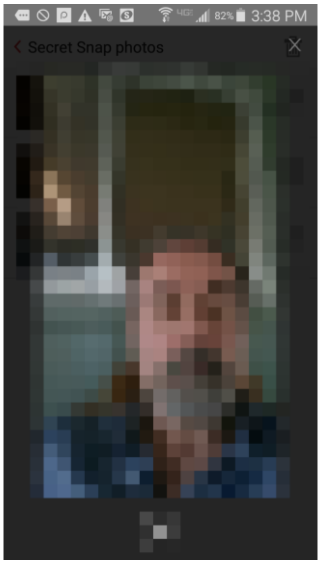
System lock
8/9/17 3:02 PM

System lock
8/9/17 3:18 PM

System lock
8/9/17 3:37 PM

Figure 239. Secret Snap Photos List

12. As mentioned, you can also view the photo in the notification email sent to you by Mobile Security. This can be used with the **Lost Device Protection Portal's** location feature to help locate the person who has found or stolen your device.



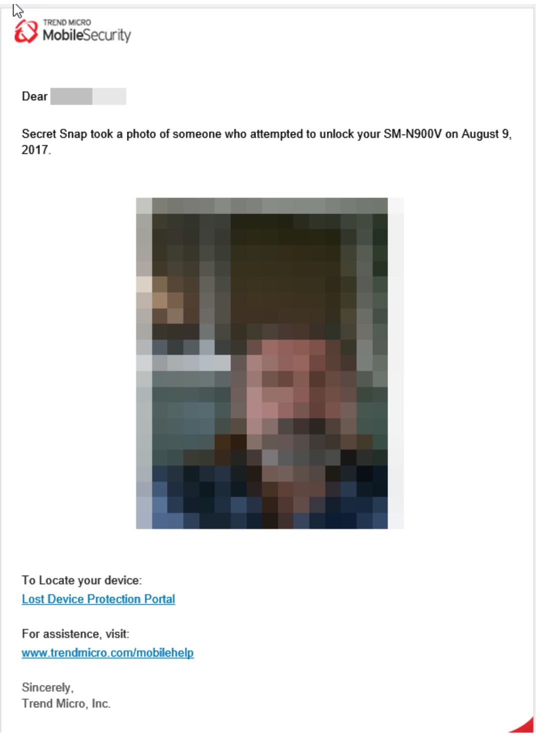
3:38 PM

Secret Snap photos

Figure 240. Individual Secret Snap Photo

13. Click the link **To Locate Your Device** using the **Lost Device Protection Portal**.

14. To obtain assistance, visit **www.trendmicro.com/mobilehelp**.



Dear [redacted]

Secret Snap took a photo of someone who attempted to unlock your SM-N900V on August 9, 2017.

To Locate your device:
Lost Device Protection Portal

For assistence, visit:
www.trendmicro.com/mobilehelp

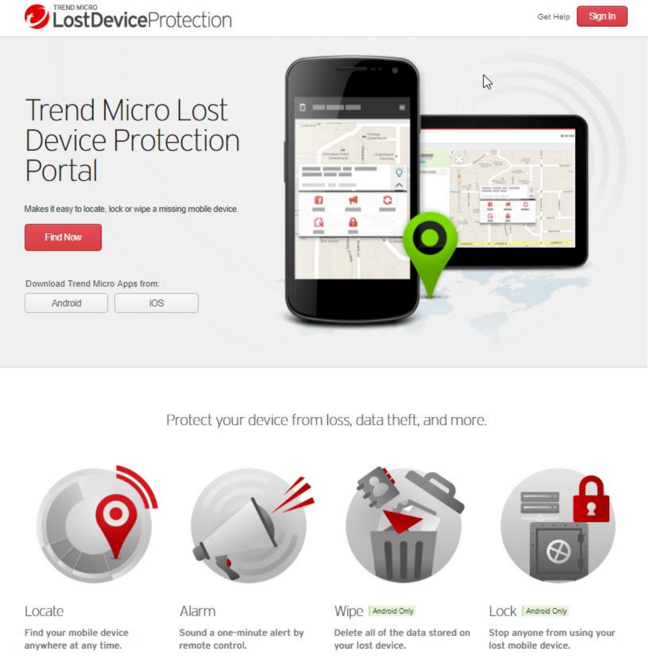
Sincerely,
Trend Micro, Inc.

Figure 241. Secret Snap Email Notification with Photo

Lost Device Protection Portal

To access the Lost Device Protection Portal:

1. Launch your browser on your PC and type https://mobilesecurity.trendmicro.com/ into the search field, and hit **Enter**. The **Lost Device Protection Portal** webpage appears.
2. Tap **Find Now** or **Sign in** to sign into your Trend Micro account. The **Sign In** page appears.
3. Type the email address and password you used to create your Trend Micro account and click **Sign in.** The **Lost Device Protection Portal** appears.
4. You're presented with a **Device List** on the left, a **Bing Map** on the right with a GPS/Bing estimate of your location, and a toolbox to perform various operations regarding your lost or stolen device.



Trend Micro Lost Device Protection Portal

Makes it easy to locate, lock or wipe a missing mobile device.

Download Trend Micro Apps from:

Protect your device from loss, data theft, and more.

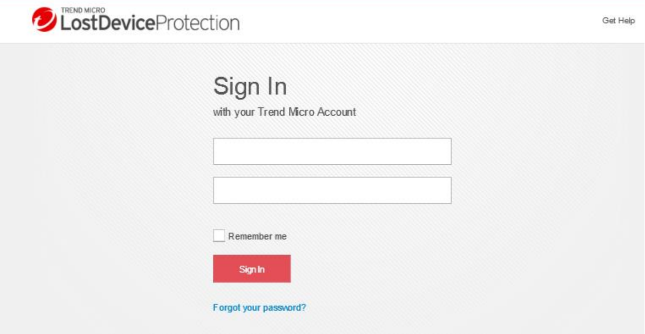
Locate: Find your mobile device anywhere at any time.

Alarm: Sound a one-minute alert by remote control.

Wipe: Delete all of the data stored on your lost device.

Lock: Stop anyone from using your lost mobile device.

Figure 242. Lost Device Protection Portal Sign In



Sign In

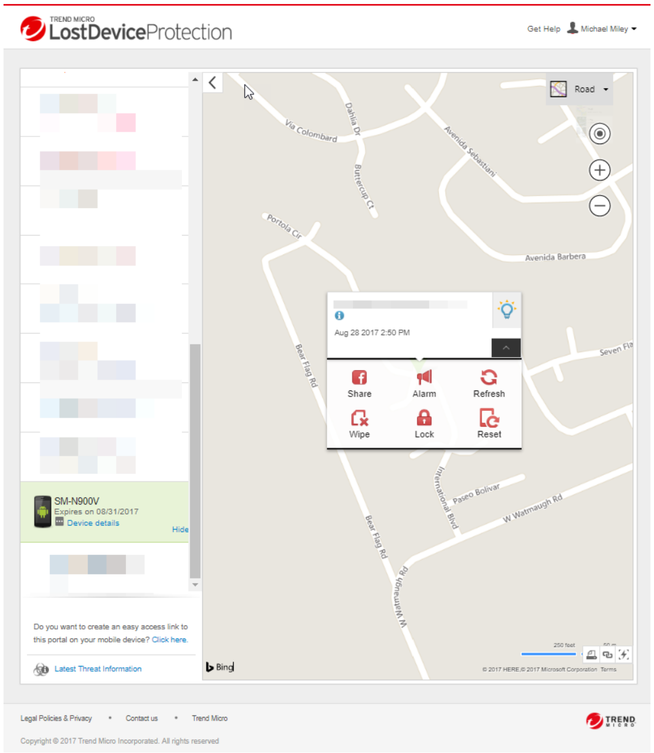
with your Trend Micro Account

□ Remember me

Forgot your password?

Figure 243. Sign In

5. In the **Device List**, click **Hide** to hide any device in the main list. Click the down-arrow to see **Hidden Devices.**
6. Click **Share** to share the device's location with a trusted friend.
7. Click **Alarm** to sound a one-minute alarm on your missing mobile device, even if it has been set to silent mode.
8. Click **Locate** to locate the phone on the map.
9. Click **Reset** to force stop apps and to **Reset the Lock Screen Password.**
10. Click **Lock** to stop anyone from using your missing mobile device. When you recover your device, click **Unlock** to unlock it, then use the **Unlock Key** provided or your Trend Micro password to complete the unlock.



Do you want to create an easy access link to this portal on your mobile device? Click here.

Copyright © 2017 Trend Micro Incorporated. All rights reserved

Figure 244. Lost Device Protection Options

11. Click **Device Details** (below the device icon in the list) to view the unlock key that can be entered into the device interface to unlock the device instead of the master account password. This key can also be emailed to you at your account email address by taping **Email Yourself an Unlock Key** on the device once it's found.

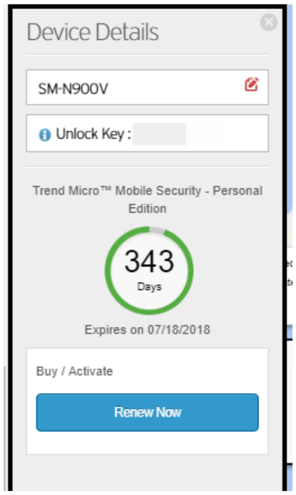
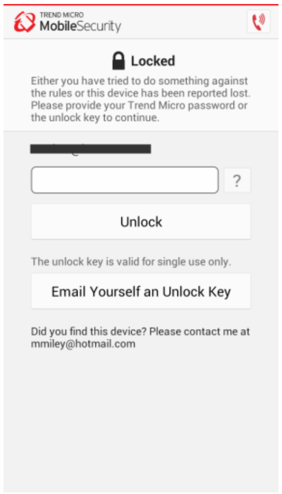


Figure 245. Device Details



Either you have tried to do something against the rules or this device has been reported lost. Please provide your Trend Micro password or the unlock key to continue.

[redacted]

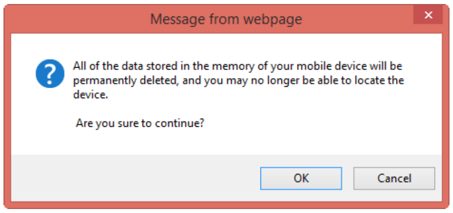
The unlock key is valid for single use only.

Did you find this device? Please contact me at mmiley@hotmail.com

Figure 246. Device Unlock

12. Click **Wipe** to permanently delete all the data stored on your missing mobile device.
13. A warning appears. If you wish to wipe your device, click **OK.**

    Warning: Using this feature will perform a factory reset of your device. For testing or review purposes, please ensure you are using a test device or have a complete backup of your information. Once reset, TMMS will be removed from the device and the location feature will no longer function.



Message from webpage

All of the data stored in the memory of your mobile device will be permanently deleted, and you may no longer be able to locate the device.

Are you sure to continue?

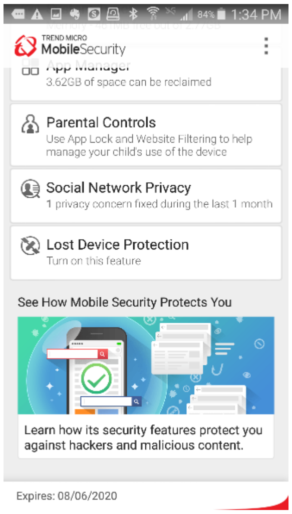
Figure 247. Wipe Warning

Demos: See How Mobile Security Protects You

Trend Micro Mobile Security provides periodically-updated demos, to show you how the various features of the app works. Current demos **include Pre-Installation Scan, Web Guard,** and **Wi-Fi Checker**. Here's the demo showing how **Web Guard** works.

To view a demo:

1. Tap **See How Mobile Security Protects You.** The **Experience Web Guard** demo page appears
2. Tap the test link shown at the bottom of the screen.



TREND MICRO MobileSecurity

App Manager
3.62GB of space can be reclaimed

Parental Controls
Use App Lock and Website Filtering to help manage your child's use of the device

Social Network Privacy
1 privacy concern fixed during the last 1 month

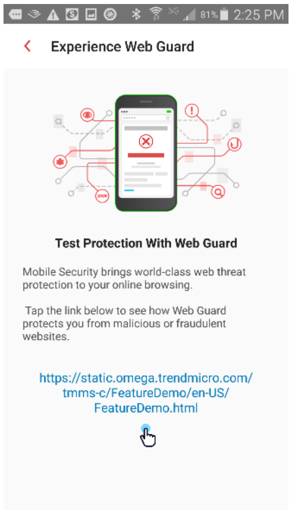
Lost Device Protection
Turn on this feature

See How Mobile Security Protects You

Learn how its security features protect you against hackers and malicious content.

Expires: 08/06/2020

Figure 248. Demo: See How Mobile Security Protects You



Experience Web Guard

Test Protection With Web Guard

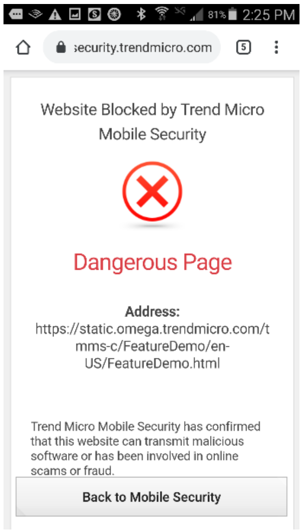
Mobile Security brings world-class web threat protection to your online browsing.

Tap the link below to see how Web Guard protects you from malicious or fraudulent websites.

https://static.omega.trendmicro.com/tmms-c/FeatureDemo/en-US/FeatureDemo.html

Figure 249. Test Protection With Web Guard

3. Your default browser is loaded and the test website is blocked by Trend Micro Mobile Security's **Web Guard,** indicating that it's a **Dangerous Page.**
4. Tap **Back to Mobile Security** to return to the app.



security.trendmicro.com

Website Blocked by Trend Micro Mobile Security

Dangerous Page

Address:
https://static.omega.trendmicro.com/tmms-c/FeatureDemo/en-US/FeatureDemo.html

Trend Micro Mobile Security has confirmed that this website can transmit malicious software or has been involved in online scams or fraud.

Figure 250. Dangerous Page Blocked

Settings

Trend Micro Mobile Security provides system settings for app management.

5. Tap **Mobile Security** on your device to open the **Console**.
6. Tap the **Settings** menu on your device to open the popup.
7. Here, you have access to various options.

   Settings. Access various system-level settings.

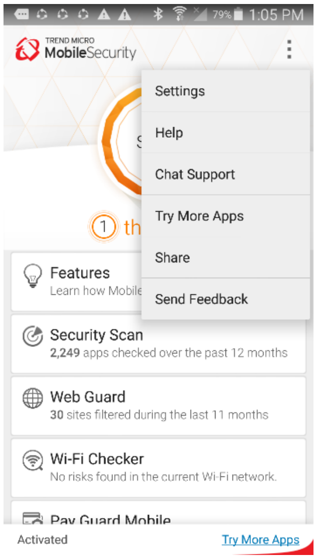
   Renew / Activate. Renew or activate a subscription.

   Chat Support. Get chat support with Mobile Security.

   Try More Apps. Provides easy access to Trend Micro Apps available on **Google Play Store**.

   Share. Send friends or associates a recommendation to use Trend Micro Mobile Security.

   Send Feedback. Provide a rating and review on **Google Play Store** and send feedback to Trend Micro.



Features
Learn how Mobile

Security Scan
2,249 apps checked over the past 12 months

Web Guard
30 sites filtered during the last 11 months

Wi-Fi Checker
No risks found in the current Wi-Fi network.

Pay Guard Mobile

Figure 251. Settings Popup Manu (Device)

8. Tap **Settings** to access system-level options. The **Settings** screen appears, with the list of options available. Scroll down to view the options.

   ACCOUNT & SUBSCRIPTION

   Trend Micro Account. Account you're registered to.

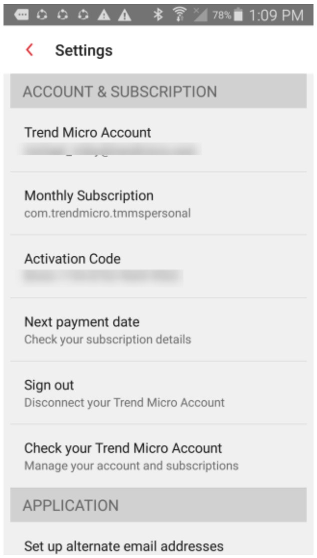
   Expiration Date/Monthly Subscription. Date your subscription expires, or indicates the monthly subscription URL.

   Activation Code. 20-character serial number.

   Renew / Activate or Next Payment Date Purchase/renew or activate a subscription / or Check your subscription details.

   Sign Out. Disconnect your Trend Micro account.

   Check your Trend Micro Account. Manage your account and subscriptions.



ACCOUNT & SUBSCRIPTION

Trend Micro Account
[redacted]

Monthly Subscription
com.trendmicro.tmmspersonal

Activation Code
[redacted]

Next payment date
Check your subscription details

Sign out
Disconnect your Trend Micro Account

Check your Trend Micro Account
Manage your account and subscriptions

APPLICATION

Set up alternate email addresses

Figure 252. Settings (1)

Settings (continued)

APPLICATION

Set up alternate email addresses. Send from an unlock key from the lock screen to your Trend Micro account and the email address you set up here.

Display the app icon on the status bar. Check here to show Mobile Security on the status bar.

Uninstall. Uninstall Mobile Security with your Trend Micro Account password when Uninstall Protection is turned on.

Notifications.

-Notify me when 80% of the memory is used.

-Notify me before my protection expires

-Notify me when a survey is available

ABOUT AND HELP

About. Product details and version number.

Help. Access Online Help.

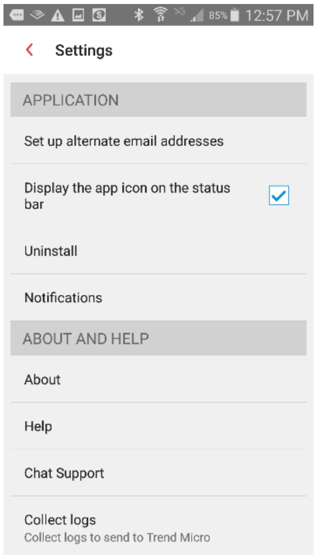
Chat Support. Get chat support for using Mobile Security.

Collect logs. Collect logs to send to Trend Micro.

Log history. Logs sent to Trend Micro.

Report a Suspicious Website. Provides form to send the URL of a suspicious website that should have been blocked to Trend Micro, along with a link to visit the Site Safety Center later to check on the rating.

Help Improve This App. Anonymously share device information with Trend Micro.



85% 12:57 PM

Settings

APPLICATION

Set up alternate email addresses

Display the app icon on the status bar ☑

Uninstall

Notifications

ABOUT AND HELP

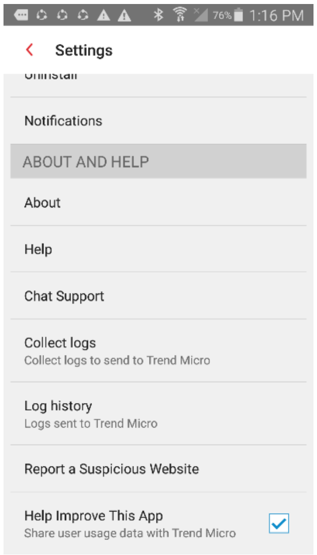
About

Help

Chat Support

Collect logs
Collect logs to send to Trend Micro

Figure 253. Settings (2)



76% 1:16 PM

Settings

Uninstall

Notifications

ABOUT AND HELP

About

Help

Chat Support

Collect logs
Collect logs to send to Trend Micro

Log history
Logs sent to Trend Micro

Report a Suspicious Website

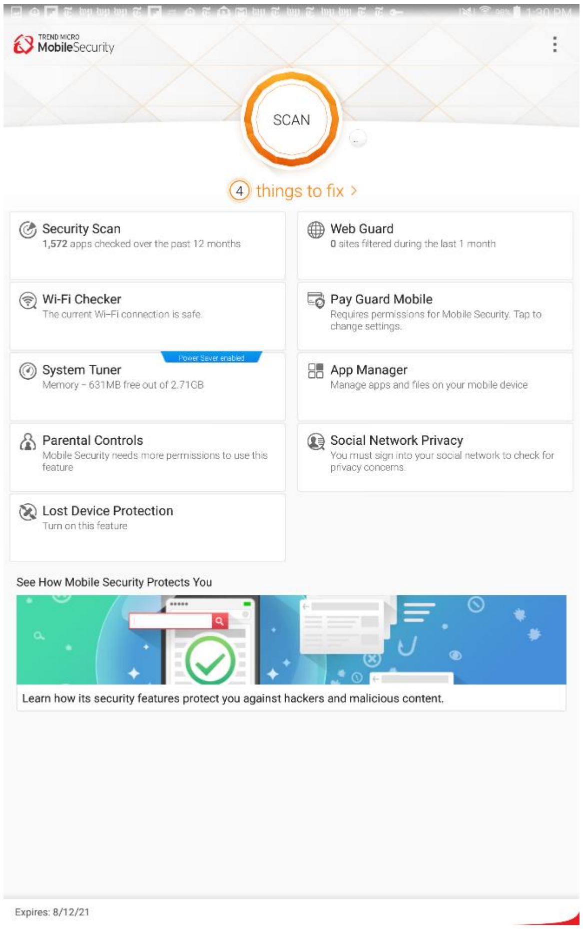
Help Improve This App ☑
Share user usage data with Trend Micro

Figure 254. Settings (3)

Mobile Security on Your Android Tablet

Trend Micro Mobile Security works much the same way on your Android Wi-Fi-capable tablet as it does on your Android smartphone, minus **Just-a-Phone** settings, which are specific functions for smartphones and call-enabled tablets.

Whether you're holding your tablet vertically or horizontally, the **Mobile Security Console** displays the same functions, it just distributes them differently.



Security Scan
1,572 apps checked over the past 12 months

Web Guard
0 sites filtered during the last 1 month

Wi-Fi Checker
The current Wi-Fi connection is safe.

Pay Guard Mobile
Requires permissions for Mobile Security. Tap to change settings.

System Tuner
Memory – 631MB free out of 2.71GB

App Manager
Manage apps and files on your mobile device

Parental Controls
Mobile Security needs more permissions to use this feature

Social Network Privacy
You must sign into your social network to check for privacy concerns.

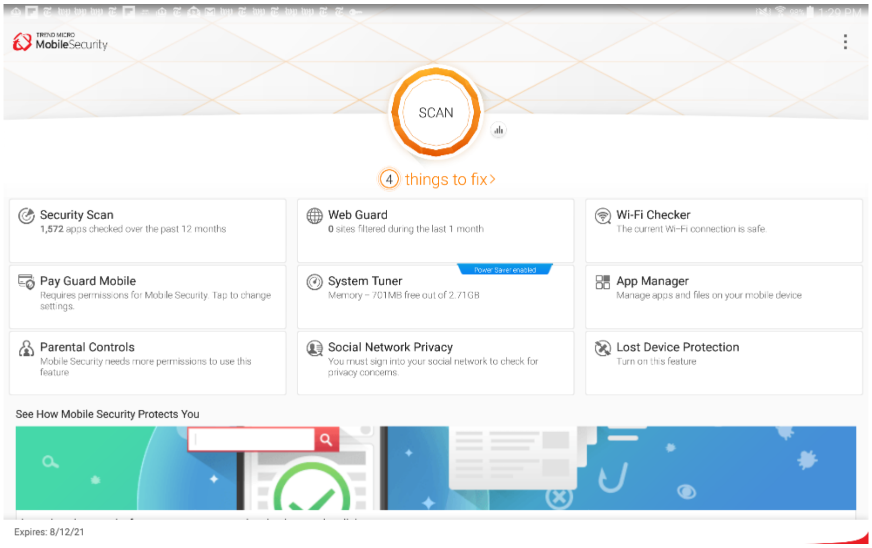
Lost Device Protection
Turn on this feature

See How Mobile Security Protects You

Learn how its security features protect you against hackers and malicious content.

Expires: 8/12/21

Figure 255. Mobile Security on Tablet (Vertical View)



Security Scan
1,572 apps checked over the past 12 months

Web Guard
0 sites filtered during the last 1 month

Wi-Fi Checker
The current Wi-Fi connection is safe.

Pay Guard Mobile
Requires permissions for Mobile Security. Tap to change settings.

System Tuner
Power Saver enabled
Memory – 701MB free out of 2.71GB

App Manager
Manage apps and files on your mobile device

Parental Controls
Mobile Security needs more permissions to use this feature

Social Network Privacy
You must sign into your social network to check for privacy concerns.

Lost Device Protection
Turn on this feature

See How Mobile Security Protects You

Expires: 8/12/21

Figure 256. Mobile Security on Tablet (Horizontal View)

About Trend Micro

Trend Micro Incorporated, a global leader in cyber security solutions, helps to make the world safe for exchanging digital information. Our innovative solutions for consumers, businesses, and governments provide layered security for data centers, cloud environments, networks, and endpoints. All our products work together to seamlessly share threat intelligence and provide a connected threat defense with centralized visibility and control, enabling better, faster protection. With more than 6,000 employees in over 50 countries and the world's most advanced global threat intelligence, Trend Micro enables users to enjoy their digital lives safely. For more information, visit www.trendmicro.com.