Android phone temperature

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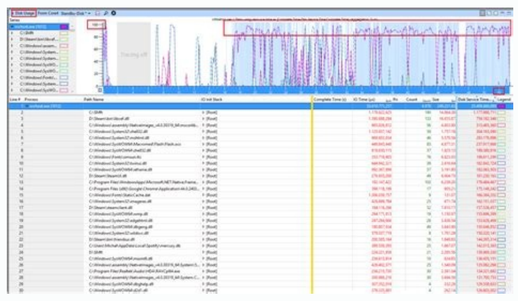

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Phones often overheat due to excessive use or too many active apps. Your phone can also overheat due to malware, software glitches, or direct sunlight. Phones get a little warm, which is normal, but a constant increase in temperature could indicate a more serious problem. We are here to help you understand why your phone is overheating. Often the phone heats up just because the battery is working at full capacity to handle tasks - if you can feel heat coming from the back of the phone, it's probably your battery. Today's smartphones use powerful lithium-ion batteries that generate heat while producing electricity. So a little heat is normal, especially if you use the phone for a long time. Why does my phone heat up when charging? It is normal for the phone to heat up while on the charger. However, if the phone overheats while charging, it could be caused by a damaged charging port, a worn charging cable, or a damaged battery. To test these components, charge your phone using a different charging cable or charging port or use a wireless charger. You can even try plugging the charger into a different outlet. Why is my Android overheating? Some common causes of phone overheating, such as malware, rogue apps, and overly active background processes, are more common on Android devices. If your Android device or battery is overheating regularly, keep reading to find out how to lower the temperature. Why is my iPhone overheating? Since iPhones aren't infected with viruses and Apple doesn't allow unapproved apps to be placed on the App Store, you might think that iOS devices are less prone to all the typical phone problems like overheating phones. But that's not always true. If you're wondering how to prevent your iPhone from overheating so quickly, we'll help you figure it out. How to cool down your phone To cool down an overheated phone, first remove the case to release the accumulated heat. Then turn on airplane mode for a few minutes to prevent battery drain.such as Bluetooth, which can run in the background. Then place the phone in a cooler, shaded area, not in the refrigerator or freezer. Your mobile phone works best in temperatures between 0 and 35 degrees Celsius (32 and 95 degrees Fahrenheit). Extreme temperatures outside this range can affect the phone's performance and hardware. So instead of putting your overheated phone in the fridge, place it in front of a fan to cool it down. Here are some other things you can do to keep your phone cool. Use less energy. Generally speaking, your phone heats up and drains after using it for a while. Take regular breaks to maintain your phone's temperature and battery life. Install junk file cleaning software: Junk files put extra strain on your phone's processor and battery. A dedicated maintenance app like AVG Cleaner for Android lets you easily clean junk files, identify apps that are losing performance, and remove malware to improve phone performance and extend battery life. Reduce the screen brightness. Keeping the screen brightness low will reduce the drain on your phone's battery (and your eyes). Restart your phone. Restarting your phone can help prevent overheating caused by minor software bugs. Close apps completely when you're not using them: The more apps you have open at the same time, the harder your phone works. Close apps when you are no longer using them. Switch to battery saver mode: Android's battery saver mode turns off location services and background data, and limits power consumption to extend battery life (and possibly cool down your phone). Do not allow applications to run in the background. Background activity drains your battery and makes it harder for your phone to work. Prevent apps from using background data to let your phone rest. Remove malware. Malware can quickly overheat your device. Scan and remove malware on your phone to improve performance and reduce phone load.Consult an expert: If your phone is still heating up after trying all these tips, you may need to replace the battery. Take your phone to a trusted repair shop and see if they can help diagnose the problem or buy a new battery if necessary. What causes the phone to overheat? There are many reasons why phones get hot. The temperature of the phone rises when you use it for a long time, run power-intensive applications or use multiple applications at the same time. A little heat is common, but a consistently high phone temperature can be caused by more serious issues. Overheating of the phone is a common occurrence in the following situations: 1. Long gameplay A huge selection of mobile games is one of the main reasons for buying a smartphone. But high-intensity gaming applications use the phone's CPU cores in addition to the graphics processing unit (GPU), which can heat up the phone quickly. 2. Stream content Watching YouTube or Netflix for hours is another surefire way to overload your phone's CPU. Streaming content or watching TV on the internet means your phone needs to download video data and keep the display active for extended periods of time. 3. Your settings are not optimal. If your screen brightness is always set to maximum or you use animated wallpapers and widgets, try a static background and let your phone automatically adjust the screen brightness to suit your surroundings. This will reduce your phone's CPU usage and keep it cool. 4. Outdated Apps If an app has a bug or other problem, it may cause the phone temperature to rise due to overloading the device's CPU. Keep your applications and operating system up to date as updates often include important bug fixes. After applying the update, your phone should run better and overheat less often. 5. Software updates Your phone may overheat during or immediately after an update. This may be because the operating system encountered an error that needed to be fixed.an update that may require a short-term power boost (but shouldn't cause a long-term overheating problem). 6. Environmental factors If you leave your phone in the sun or in a car on a hot day, it can overheat. It will also prevent the touchscreen from working properly and drain the battery faster (excessive cold can have the same effect). In addition to sun and heat exposure, water damage can also cause your phone to overheat. How to prevent your phone from overheating Preventing your phone from overheating is easy. Here are some basic phone care tips that can help extend the life of your phone and keep it from overheating. Here's how to prevent your phone from overheating. 1. Charge your phone properly Use a trusted charger from your phone manufacturer or another trusted manufacturer and charge your phone on a smooth, hard surface. Charging your phone on the couch or bed will prevent heat from escaping while charging. You may have heard that overnight charging is bad for your smartphone battery, but that's a myth. Smartphones have overcharge protection, so you can charge your phone all night - as long as you charge it on a hard surface and not under a pillow. 2. Update your apps. If you notice that your phone is heating up for no apparent reason, check any recently installed apps. Buggy apps can cause overheating, and updating the app usually fixes this problem. If not, try uninstalling the app to see if it's causing your phone to overheat and never install apps from third-party app stores. Also, update your phone's operating system regularly to ensure optimal device performance and security. 3. Avoid direct sunlight Whether you're out in the sun or charging your phone by a window, keep it out of direct sunlight. Store it in the shade, leave it in a bag or move it to a place where air can circulate. 4. Use Mobile Spyware Antivirus for Android and moreMalware can cause overtime and overheat your phone. Remove mobile malware to prevent your phone from overheating. Mobile malware can also reveal your sensitive information, steal your banking information, spy on your physical location and drain your battery. And mobile ransomware can encrypt your important files or even your entire device. Install AVG AntiVirus for Android to protect your phone from malware and rogue apps that cause your phone to get hot. where the heat comes from When your phone gets too hot, the heat usually comes from the battery, processor or screen. All of these components produce heat: the chemicals in your phone's battery generate electricity, your processor transmits information at lightning speed, and your phone's screen emits light. So how do you determine why your phone is heating up? Depending on where the heat is coming from, you can guess why your Android phone is getting hot. Back of the phone If the back of the phone gets hot, the battery may overheat. Most modern cell phones use Lithium Ion (Li-Ion) batteries, which still perform well despite their size. Lithium-ion batteries are generally safe, but failures can occur. A hot battery may also need to be replaced, especially if

older batteries lose performance over time. Bottom of the phone Check if the bottom of the phone is hot to the touch when charging - if so, the problem may be with the charger. The most reliable charger is the one provided by the phone manufacturer. Third-party chargers are fine too - as long as they're from a reputable supplier. Above the battery, near the speaker or screen If the phone's excessive heat is not coming from the battery or charger area, the temperature increase may be due to CPU overload or external factors such as direct sunlight. hot vs warm: what's the difference? The internal temperature of the phone can be 36-43Celsius (96.8-109.4 degrees Fahrenheit) and is still considered normal. If the temperature of the phone exceeds 44 °C, it is too hot. Here's how you can check your phone's temperature. On an Android phone such as a Samsung or LG model, the excellent AIDA64 app will give you a lot of information about the device's hardware and software, including a report on the phone's temperature. If you are concerned that your computer might be overheating, you can also check and monitor the CPU temperature. Since it's normal for a phone to overheat a bit, it's best to define overheating based on how often you notice the phone heating up, or if the temperature is physically uncomfortable. The phone should not heat up several times a day or for no apparent reason. The temperature ranges from safe to dangerous to heat up your Android phone. Normal Overheating Vs. Samsung phone overheating If you've had your phone for many years, you may notice that your phone's temperature problems increase over time. However, there is still a big difference between older Samsung devices and other Android devices that overheat depending on how often they receive Android updates). The intense overheating of the Samsung Galaxy Note 7 caused the battery to explode, causing the TSA to stop flying that particular Samsung Galaxy model. Although the Samsung Galaxy Note 7 is a particularly extreme case, we recommend reading reviews before buying a new device to reduce the risk of your phone dangerously overheating (or other issues). Samsung tried to reduce the overheating of the phone with liquid cooling in the S7 and S8 models. If there is a more serious problem There are many simple explanations for why your mobile phone heats up, but this does not mean that it is always easy to fix. A chronically overheating phone may indicate that it is infected with malware that seriously affects the security and overall performance of the phone. Malware often consumes large amounts of RAM and CPU, causing the phone to heat up. Android phones can evenRansomware that locks files or entire devices. And it's not the only type of malware circulating. Cryptocurrency Mining Malware on Android With the advent of Bitcoin, hackers have become very interested in cryptojacking, which involves hijacking cryptocurrency mining devices. In 2017, the Loapi Trojan infected Android phones, masquerading as a fake antivirus app on the Google Play store. The Loapi malware was used by hackers to covertly mine the Monero cryptocurrency. This drained the processor's processing power and caused the device to overheat, causing the phone's battery to noticeably bloat just two days after the initial infection. The 2019 Android cryptocurrency miner was automatically distributed via SSH (secure cryptographic network protocol), eventually affecting victims in more than 20 countries. There is also a growing number of fake Android apps that infect devices with CoinHive, another type of Monero mining malware. The search script, hidden in the HTML files in the Application Resources folder, is activated when the application is opened and continues to run in the background. Cool down your phone with AVG AntiVirus for FREE Removing malware from your phone is critical to keeping it up and running and keeping it in good working order. Unfortunately, a number of the aforementioned malicious apps have been found in the Google Play Store. If you pay attention to your phone overheating, you may find a malware infection caused by a seemingly harmless download. Since Android phones are more susceptible to malware than iPhones, a reliable mobile antivirus like our free AVG AntiVirus for Android is essential. It's the best way to prevent malware from damaging your device and protect you from dangerous apps, unwanted calls, theft, and more. Download AVG AntiVirus today. Frequently Asked Questions Why does my phone get hot while charging? The phone gets hot while charging because the phone's charging circuit generates heat while the battery is being charged. Charging your phone on the couch or bedmake it even hotter because it has less heat dissipation ability. Place your phone on a smooth, hard surface to charge and stop using it. If your phone gets very hot or overheats while charging, it's probably due to a damaged charging port, a worn charging cable, or a defective battery. In this case, take measures to prevent your Android or iPhone from overheating. But remember, it's a smartphone myth that charging your phone shouldn't cause it to get hot in the first place. Can I put my phone in the fridge or freezer? It is never recommended to put phones or other sensitive electronic devices in a fridge or freezer as this can permanently damage the device. Instead, use power saving mode, clear junk files, and limit background data usage to regulate your phone's temperature. If you're still having trouble cooling your phone, try resetting it. Current issues may require you to remove malware from your phone. Is there a phone cooler app? Mobile apps like AVG Cleaner for Android can help get rid of the causes of overheating by removing junk files and data-eating apps that are draining your phone's resources. Some types of malware can hijack your phone's resources for use by malicious processes, so using antivirus for Android and iOS mobile devices can also improve performance. How to check phone temperature? There are third-party applications that display temperature and other information about the status of internal components. Temperatures up to 43 degrees Celsius (109.4 degrees Fahrenheit) are considered the phone's normal temperature range. Can overheating damage your phone? A phone that constantly overheats can damage the battery and throttle function in the long term, reducing the overall health and lifespan of the device. Leaving the phone in the sun for a long time or exposing it to high temperatures can also do the same