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Android Studio FEATURES USER GUIDE PREVIEW

User Guide

Download

If you're an app developer, you should get the latest version from Android Studio's SDK Manager or from the software update tool. This ensures the tools are saved to the right place with the rest of your Android SDK tools and easily updated.

But if you want these tools only, you can download the package with the following links (less than 4MB each):

- SDK Platform-Tools for Windows
- SDK Platform-Tools for Mac
- SDK Platform-Tools for Linux

Although these links do not change, they always point to the most recent version of the tools.

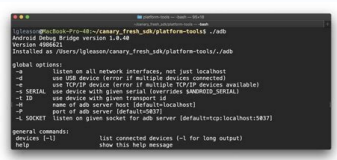
Revisions

26.0.0 (June 2017)

- Updated with the release of Android O final SDK (API level 26)

25.0.5 (April 24, 2017)

- Fixed adb sideload of large updates on Windows, manifesting as "Md:bad_alloc" (bug 37139736)
- Fixed adb problems with some Windows firewalls, manifesting as "cannot open transport registration socketpair"
- Both adb --version and fastboot --version now include the install path.



ADB AppControl

Xiaomi Mi A3

Приложения Консоль Настройки Программы

Доступно только в Расширенной версии для спонсоров проекта

- ✓ Базовый функционал программы
- ✗ Доступ ко ВСЕМ уровням Мастера Отключения
- ✗ Расширение настроек
- ✗ Отправка нескольких файлов на устройство за раз
- ✗ Добавление adb в список перетаскивания
- ✗ Сортировка приложений в списке
- ✗ Благодарность разработчика

Автообновление данных

Сохранить историю подключений

Очистить историю

Темная тема

Показывать меню прикладных

Сохранить язык меню

Тонкий режим (экран заблокирован)

Использовать системный adb (из PATH)

Останавливать adb при выходе

Защита ключей ADB (Experimental)

Формат меню: [] []

Формат шрифта: [] []

AppControl

Непрозрачность фона: 300%

Сброс Сохранить настройки

Can't find adb android studio. Download android debug bridge (adb) aka android studio. Download adb (android debug bridge) drivers. Download android debug bridge (adb) setup 1.3. Free download adb (android debug bridge). Adb otg android debug bridge on the go download. Adb tool to enable usb debugging. How to use adb if usb debugging is off.

Tests:: adb adapter for ioBroker With this adapter you can control some functions of your android devices through Android Debug Bridge: custom shell command start/stop an application reboot take screenshot Custom shell command To execute shell command, write command to state shell. You will always get the answer in state result. Example: Press POWER key input keyevent POWER or shell input keyevent POWER Start/Stop an application. Specify the component name with package name prefix to create an explicit intent. To start an application, write intent (com.example.app/ExampleActivity.) to state startApp. Example: For KODI starting write org.xbmc.kodi/Splash Stop an application. Force stop everything associated with package (the app's package name). To stop an application, write package name to state stopApp. Example: For KODI stopping write org.xbmc.kodi Reboot device Reboots the device. Write any value to state reboot. Take screenshot Take screenshot and save to folder of adapter. Write any value to state screencap. Info Android Debug Bridge (adb) is a versatile command-line tool that lets you communicate with a device. The adb command facilitates a variety of device actions, such as installing and debugging apps, and it provides access to a Unix shell that you can use to run a variety of commands on a device. adb is included in the Android SDK Platform-Tools package. You can download this package with the SDK Manager, which installs it at android_sdk/platform-tools/. In order not to install the complete Android SDK, you can install the Minimal ADB and Fastboot or use adbLink For use adapter need start adb server. adb start-server More info Android Debug Bridge Docs Changelog 0.0.6 (om2804) Add delete and up/down buttons in device list. (om2804) Replace dependency 'adbkit'. Active development has been moved to DeviceFarmer organisation. (om2804) Add wait for device after connection. 0.0.5 (om2804) js-controller dependency upgraded to > 2.0.0 0.0.3 (om2804) fixes ater review 0.0.2 (om2804) start/stop application (om2804) reboot device (om2804) take screenshot 0.0.1 License MIT License Copyright (c) 2020 om2804 om2804@mail.ru Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Page 2 Tests:: adb adapter for ioBroker With this adapter you can control some functions of your android devices through Android Debug Bridge: custom shell command start/stop an application reboot take screenshot Custom shell command To execute shell command, write command to state shell. You will always get the answer in state result. Example: Press POWER key input keyevent POWER or shell input keyevent POWER Start/Stop an application. Specify the component name with package name prefix to create an explicit intent. To start an application, write intent (com.example.app/ExampleActivity.) to state startApp. Example: For KODI starting write org.xbmc.kodi/Splash Stop an application. Force stop everything associated with package (the app's package name). To stop an application, write package name to state stopApp. Example: For KODI stopping write org.xbmc.kodi Reboot device Reboots the device. Write any value to state reboot. Take screenshot Take screenshot and save to folder of adapter. Write any value to state screencap. Info Android Debug Bridge (adb) is a versatile command-line tool that lets you communicate with a device. The adb command facilitates a variety of device actions, such as installing and debugging apps, and it provides access to a Unix shell that you can use to run a variety of commands on a device. adb is included in the Android SDK Platform-Tools package. You can download this package with the SDK Manager, which installs it at android_sdk/platform-tools/. In order not to install the complete Android SDK, you can install the Minimal ADB and Fastboot or use adbLink For use adapter need start adb server. adb start-server More info Android Debug Bridge Docs Changelog 0.0.6 (om2804) Add delete and up/down buttons in device list. (om2804) Replace dependency 'adbkit'. Active development has been moved to DeviceFarmer organisation. (om2804) Add wait for device after connection. 0.0.5 (om2804) js-controller dependency upgraded to > 2.0.0 0.0.3 (om2804) fixes ater review 0.0.2 (om2804) start/stop application (om2804) reboot device (om2804) take screenshot 0.0.1 License MIT License Copyright (c) 2020 om2804 om2804@mail.ru Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software. THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Page 3 You can't perform that action at this time. You signed in with another tab or window. Reload to refresh your session. You signed out in another tab or window. Reload to refresh your session. Page 4 You can't perform that action at this time. You signed in with another tab or window. Reload to refresh your session. You signed out in another tab or window. Reload to refresh your session. Not to be confused with Advanced Debugger. Tool for debugging Android-based devices Android Debug BridgeStarting the adb server in GNOME Terminal, which then enumerates the devices. After that, a shell is opened on the device being debugged to run the uname command.Original author(s)GoogleStable release31.0.3 Repositoryandroid.googleusercontent.comWritten inC++Operating systemWindows, Linux, macOSIncluded withAndroid SDKTypeSoftware development toolLicenseApache License 2.0Websitedeveloper.android.com/studio/command-line/adb The Android Debug Bridge (commonly abbreviated as adb) is a programming tool used for the debugging of Android-based devices. The daemon on the Android device connects with the server on the host PC over USB or TCP, which connects to the client that is used by the end-user over TCP. Made available as open-source software under the Apache License by Google since 2007, features include a shell and the possibility to make backups. The adb software is compatible with Windows, Linux and macOS. It has been misused by botnets and other malicious software, for which mitigations were developed such as RSA authentication and device whitelisting. Features Android Device Monitor Features of adb include copying files from the host computer,[1] installing apps, viewing logcat output, getting a Unix shell, [2] and rebooting into Qualcomm EDL mode.[3] For example, Android applications can be saved by the command backup to a file.[4] It also includes support for the Java Debug Wire Protocol.[5] Some graphical interfaces have been made available. The graphical Android Device Monitor in Android Studio can be used for retrieving information from an Android device.[6] Development tool The Android Software Development Kit (SDK) was first released in 2007.[7] Since 2017, Google made it possible to download adb separately from the Android SDK.[8] In 2015, Microsoft released an Android emulator that can connect to the adb client.[9] In 2016 for Android Studio 2.0 a 5x performance improvement was made for installing apps and pushing files through adb.[10] For easier usage of Android Things, a wrapper was made in 2017 around manual adb commands.[11] For Android 11 in 2020, Google added adb incremental installations.[12] In 2020, Wi-Fi adb was integrated into Android Studio for macOS.[13] In 2021 for Android 12, the adb backup command was limited so that backing up user data from apps is opt-in using a per-app manifesto configuration.[14] Fuchsia will be backwards-compatible with adb. It will be replaced with fx and ffx.[15] Setup For enabling USB debugging on the Android device, it needs to be enabled in the "developer settings" window After the device is connected to the host computer, the user needs to verify the RSA key fingerprint of the host computer Host computer For Windows, the Android SDK contains the adb.exe binary that can be extracted and installed.[16] How-To Geek recommends adding the folder containing the binaries to the PATH environment variable.[17] On Ubuntu, adb can be installed with the android-tools-adb package.[18] For Debian, it has been recommended to also install the android-sdk-platform-tools-common package next to the adb package, which installs theudev rules which makes it possible to run the tool without root permissions.[19] For macOS and other Linux distributions, the platform tools can be downloaded and the PATH variable can be modified in bashrc.[20] Android device In Android 4.2.2 or later (API level 17), a dialog is shown with an RSA fingerprint that the user needs to accept. This protects against computers exploiting the debugging mechanism without consent of the device user.[21] Starting in Android 4.2, the developer settings are hidden by default. Pressing seven times on the build number in the about menu makes them visible to the user. After that, the USB debugging option can be enabled.[22] Some Android vendors have different procedures to enable it. For example, Huawei requires entering a pincode before adb can be enabled.[23] If the touchscreen of an Android device is broken, it can be possible to connect a mouse to the device using USB On-The-Go and enable USB debugging.[24][23] Architecture The adb protocol can be transported over USB or over Wi-Fi through TCP. It uses a client-server architecture. There are two different protocols in use. The first is between the client and the server and the second is between the server and the daemon. The adb daemon is implemented in C and located in the Android user space. The daemon is facilitated by the Android USB framework, UsbDeviceManager and UsbDebuggingManager.[5] Client → server protocol The communication mode between the client and server is a TCP socket. The server listens on a port, to which the client has to send a request. The request contains a 4-byte initial field in ASCII and a payload. The payload starts with the word host, to indicate it should be sent to the server. The server can then reply with OKAY or FAIL to indicate the status, combined with an optional payload and length.[5] Server → daemon protocol The messages sent from the server consist of a 24-byte long header, with the following fields:[5] Command First argument Second argument Length of the payload, 0 or higher CRC32 of the data payload Magic value, calculated through command XOR 0xFFFFFFFF Security Up to Android 2.2, Android was vulnerable to the RageAgainstTheCage exploit. The adb daemon did not check for the return value of the setuid system call when dropping privileges. The exploit forks processes until it fails due to the exhaustion of process identifiers. When the daemon crashes and restarts, it cannot start a new process with dropped privileges and keeps running as root. Then adb provided a root shell.[25] In 2017, a security vulnerability was disclosed that exploited ADB to take over the onboard modem. The attack required adb to be already enabled and authorized, although some workarounds were available.[26] Various families of malware such as ADB.Miner, Ares, IPStorm, Fbot and Trinity have scanned the internet for public availability of the adb interface and installed malware on those devices.[27] adb can also be used to remove malware, by booting into safe mode and running the adb uninstall command.[28] See also Android recovery mode Fastboot References ^ Darcy, Lauren (2012). Android wireless application development. Shane Conder (3rd ed.). 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