

Chapter 1 : PrinterShare® Print it anytime, anywhere! FREE Download software!

Amazon's Choice for "printer for android phone" HP OfficeJet All-in-One Portable Printer with Wireless & Mobile Printing (CZA) by HP. \$ \$ 89 Prime.

Bonjour locates devices such as printers, other computers, and the services that those devices offer on a local network using multicast Domain Name System mDNS service records. Apple definition is Bonjour, also known as zero-configuration networking, enables automatic discovery of devices and services on a local network using industry standard IP protocols. Bonjour makes it easy to discover, publish, and resolve network services with a sophisticated, yet easy-to-use, programming interface that is accessible from Cocoa, Ruby, Python, and other languages. In other words, Bonjour is a software component that is used for other devices discovery PC, Mac, smartphones, printers, etc in a network via all available interfaces. Also applications can discover all available services at any domain. You should understand that Bonjour is only a technology for services discovery, all connection you have to do by yourself anyway. You can find more information about Bonjour in official documentation. Can we use this powerful technology in our Android projects? Google uses this technology in lots of their projects. You print documents via wifi on your printer - Bonjour is here again. Is there a standard Android API for it? The TXT record has the same name as the corresponding SRV record, and can contain a small amount of additional information about the service instance, typically no more than 255 bytes at most. This record may also be empty. For example, a network game could advertise the name of the map being used in a multiplayer game, and a chat program could advertise the availability of the user for example, idle, away, or available. If you need to transmit larger amounts of data, the host should establish a connection with the client and send the data directly. There is no technical reason for this. Are there any other options? Yes, another option for Android developers is jmDNS library. Actually this is a very interesting idea in time of fast mobile internet I might write more about it in another article. And Connections API can be used for discovering and connecting via wifi interface. All these have already been done for you. If you want to discover some services from another system or your app works with other libraries for example: Do you know any other options? I have good news for you: Here is its architecture overview from documentation: A typical mDNS program contains three components: Developers writing applications for OS X do not need to incorporate this code into their applications, since OS X provides a system service to handle this for them. If every application developer were to link-in the mDNSResponder code into their application, then we would end up with a situation like the picture below: This would not be very efficient. Each separate application would be sending their own separate multicast UDP packets and maintaining their own list of answers. The situation on OS X looks more like the picture below: In fact Android uses the same solution in one system daemon and lots of applications. The daemon is available for developers since API 16 Android 4. Do you have any Java wrapper for it? No, but Apple does. First of all you need to compile mDnsResponder native client. You can find its source code here. I believe, that you can use any version of it with any version of Android. Also you should add JNI bridge to this native source code. Just go to dns-sd. In my case it is: This allows C code to do simple greater-than and less-than comparisons: Similar checks may also be performed at run-time: Now go to Apple Open Source site and find this version. And one more thing: Do you have any examples? Yep, you can find an example of mDNSResponder usage containing compiled native libraries with the latest ndk version for all architectures in my project Bonjour Browser I mean Service Browser, all code is available on GitHub. You can also see it in action in Google Play. It works really fast!

Chapter 2 : How to print from your Android phone or tablet device

Printing from Android has never been easier. The Google Cloud Print app is a print plugin on Android KitKat, and a standalone app on earlier versions of Android. If you update your device to KitKat, you may need to remove the icon manually.

Install the HP ePrint app on your Android device. A Welcome to HP ePrint screen displays. Tap Activate Now or Skip. If you tapped Activate Now, continue to the next step. If you tapped Skip, you can still print from your Android device. Select your usage data collection option, tap Done, and then skip to the step to print from your Android device. Type your email address in the Activate using your email box, and then tap Activate. Return to the HP ePrint app, type the code, and then tap Activate. Select your usage data preferences, and then tap Done. The required Bluetooth Smart printer suggestion feature is on by default. Use the HP ePrint app on your Android device to print a document or photo. Make sure your Android device is within 2 meters 6 feet from the printer. From the HP ePrint app, select the photo or document you want to print, and then tap Preview. The app searches for nearby printers. If a Printer nearby screen displays, tap Yes to connect to the printer. If a preview screen continues to search for the printer and does not display a Printer nearby screen, tap Searching, and then select your printer with DIRECT in the name. If a preview screen displays on your printer, it is already connected. Continue to the next step. Tap Edit, and then make any changes to the document or photo with the editing tools. Tap Done, and then tap Print. Frequently asked questions FAQs Review the following list of frequently asked questions about setting up and using your mobile printer with Bluetooth Smart and the HP ePrint app. I enabled the Bluetooth settings on my Android device and paired with the printer. Can I print via Bluetooth? Once connected, you can use the HP ePrint app to print. It does not support printing directly over a Bluetooth connection. Review the following list for HP printers that support Bluetooth Smart.

Chapter 3 : HP and Samsung printers | HP® Official Site

Printers with the ePrint technology built in offer a variety of additional features -- including sending files to print via email or mobile app from anywhere in the world as well as the ability to pre-configure your print settings.

They can do everything from storing music to handling massive Word documents. Another great feature is the ability to print from Android phone or tablet devices. Best mobile printers of In fact, Google has created a way to link your printer with your Chrome account and your phone to move and print with ease. Connecting to Google Cloud Print While most printers are capable of printing through Bluetooth, Wi-Fi, or another quick method, not everyone has a printer that supports this. And some just like the idea of running it all through the cloud. By registering your printer, you can connect it to the internet. From there, you can operate it from anywhere so long as you have a good connection. You can then print from Android phone or tablet devices. Bear in mind that while most printers are capable of working through Google Cloud Print, there are some that cannot. To save you the trouble of trial and error, Google compiled a list of printers that work with Cloud Print. Launch Google Chrome on your computer. Scroll down to the Google Cloud Print section and click Manage. Download the app and follow its installation instructions. Best printer apps for Android AndroidApps. Make sure, however, that the Google account linked with your phone is the same account that you used on Google Chrome in the previous step. Select the printer you want print from. Open Gmail or Google Chrome. A list of options will drop down. This will take you straight to the printing page, where you can select the right printer. Does it work for you? Are you a proud user of Google Cloud Print? What is your experience with it like? Is printing from Android something you find useful? Let us know in the comments! But with so many devices out there, how can you make sure â€¦!

Chapter 4 : Google Cloud Print

Print directly from Android phone or tablet to almost any printer! Print photos, emails, documents (including PDF, Microsoft® Word, Excel®, PowerPoint® and other files), bills, invoices, messages, web pages and more.

Check the Android device, printer, and network status Make sure your Android device, printer, and network are working correctly and ready for printing. Confirm your Android device is connected to the network: On your Android device, open the Wi-Fi settings and make sure your device is connected to the network you want to connect the printer to. Confirm that the printer is on and connected to the network: The printer might be in sleep mode, power saving mode, or turned off. Touch or press a button on the printer control panel to wake the printer. To confirm your printer connection, select your connection type. On the printer, make sure the light next to the Wireless icon is either on and steady, or blinking. If the wireless light is not on or blinking, press the Wireless button, or open the Wireless network or Settings menu to make sure the wireless signal is turned on. Check that the cable is connected to the printer Ethernet port and to an available port on the router. The green link light should be steady, and the orange activity light should blink when the cable is connected. Make sure the app you are trying to print from supports the option to print. Look for a Print icon to confirm the app supports printing. Move the printer and router closer together: Move the printer and your Android device closer to your wireless router, but no closer than 6 ft 1. Wireless signals can be weaker at greater distances between the printer and the router. Check the router band: Many routers can operate in both 2. Make sure the 2. If the router broadcasts separate network names SSIDs for each band, connect the printer to the 2. If the issue persists, continue to the next step. On your Android device, tap the Settings icon , and the select Apps or Applications. Select Show System Apps. Scroll down the list, and then select Print Spooler. Depending on your Android device, tap Storage, and then select Print Spooler. Select Clear Cache and Clear Data. Open the item you want to print, tap the menu icon , and then tap Print. A print preview screen displays. Next to Select a printer, tap the down arrow to view the printer list, and then select your printer. If you can print, you can stop troubleshooting. If you cannot print, turn off and then turn on your Android device. Restarting your Android device might clear the error. When you try to select your printer, the printer is not listed or unavailable grayed out. Resetting and clearing the Print Spooler cache can resolve the issue. It is normal for a printer to be unavailable when both the printer and Android device are not on the same network. For example, your home printer might be unavailable when you are at work. If you can select your printer, you can stop troubleshooting. If you cannot select your printer, turn off and then turn on your Android device, and then try to print again. Yes, depending on whether the USB cable is connected to your Android device or your computer. If your printer is connected to your computer with a USB cable only, printing from your Android device does not work. If you want to use a USB connection for a computer and also print over a network from your Android device, you can connect the printer through USB and to your network at the same time. When the plugin does not detect a printer you know is connected to the same network as your Android device or supports Wi-Fi Direct, you can add the printer manually. You can also remove a printer. Select a method for adding ore removing your printer. Gather the following items:

Chapter 5 : Bonjour in Android applications

Thankfully, Android has been embraced by many printer manufacturers, making it easier than ever to print directly from your phone or tablet, if you know the right app to use. There are countless.

Chapter 6 : How do I print using a stand alone printer? - Android Devices | Android Forums

Android devices can do just about anything these daysâ€”though I'm still waiting for the one that makes coffee. They can do everything from storing music to handling massive Word documents.

Chapter 7 : Printer Emoji

How to Print from Android. In this Article: Printing with Google Cloud Print Printing with Wi-Fi Enabled Printers Printing with Dropbox Community Q&A Android tablets and phones can open and read documents, with the help of several Google and third-party applications.

Chapter 8 : HP Printers - Printer Setup Using Bluetooth Smart (Bluetooth Low Energy) | HP® Customer S

Works well with app or iOS and android I was in the market for a low cost wifi printer and this printer met my requirements for a low cost, excellent print quality, easy to use out of the box, affordable print ink cartridges and reliable printer.

Chapter 9 : HP Mobile Printing from a Smartphone or Tablet | HP® Official Site

Discover mobile printing from HP, with easy wireless printing from your iPad, iPhone, Android, or other device, you'll find secure mobile printing wherever you go.