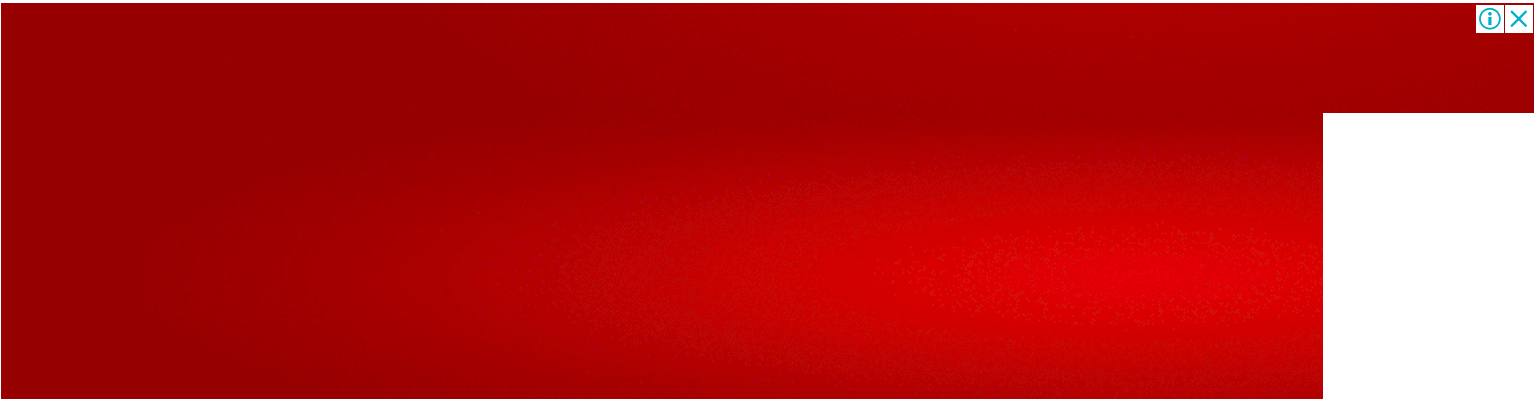


Easy way to free up Jetson Nano SD card disk space by 40%

2nd May 2022 · 1 min read



The [NVIDIA® Jetson Nano™ Developer Kit](#) is a great way to get started with AI. It is a small, powerful computer that lets you run multiple neural networks in parallel for applications like image classification, object detection, segmentation, and speech processing. All in an easy-to-use platform that runs in as little as 5 watts.

Last week, I wanted to run [NVIDIA DeepStream software](#) in a Docker container on top of Jetson Nano. To my surprise, I found that the only SD card available was 16GB in size. Then I realized that I hardly got 291 MB space left on my device.

df -h					
Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/mmcblk0p1	15G	14G	291M	98%	/
none	947M	0	947M	0%	/dev
tmpfs	986M	40K	986M	1%	/dev/shm
tmpfs	986M	44M	943M	5%	/run
tmpfs	5.0M	4.0K	5.0M	1%	/run/lock
tmpfs	986M	0	986M	0%	/sys/fs/cgroup
tmpfs	198M	20K	198M	1%	/run/user/1000

Luckily, I was able to solve this problem. Here's what I followed to free up some disk space in NVIDIA Jetson Nano.

Step 1. Update the existing repo

```
sudo apt update
```

Step 2. Remove unnecessary packages

```
sudo apt autoremove -y
```

Step 3. Clean up your repo

```
sudo apt clean
```

Step 4. Remove Libreoffice related packages

```
sudo apt remove thunderbird libreoffice-* -y
```

Step 5. Remove samples

```
sudo rm -rf /usr/local/cuda/samples \  
/usr/src/cudnn_samples_* \  
/usr/src/tensorrt/data \  
/usr/src/tensorrt/samples \  
/usr/share/visionworks* ~/VisionWorks-SFM*Samples \  
/opt/nvidia/deepstream/deepstream*/samples
```

Step 6. Remove local repos

```
sudo apt purge cuda-repo-l4t-local libvisionworks-repo -y  
sudo rm /etc/apt/sources.list.d/cuda*local /etc/apt/sources.list.d/visionworks*repo*  
sudo rm -rf /usr/src/linux-headers-*
```

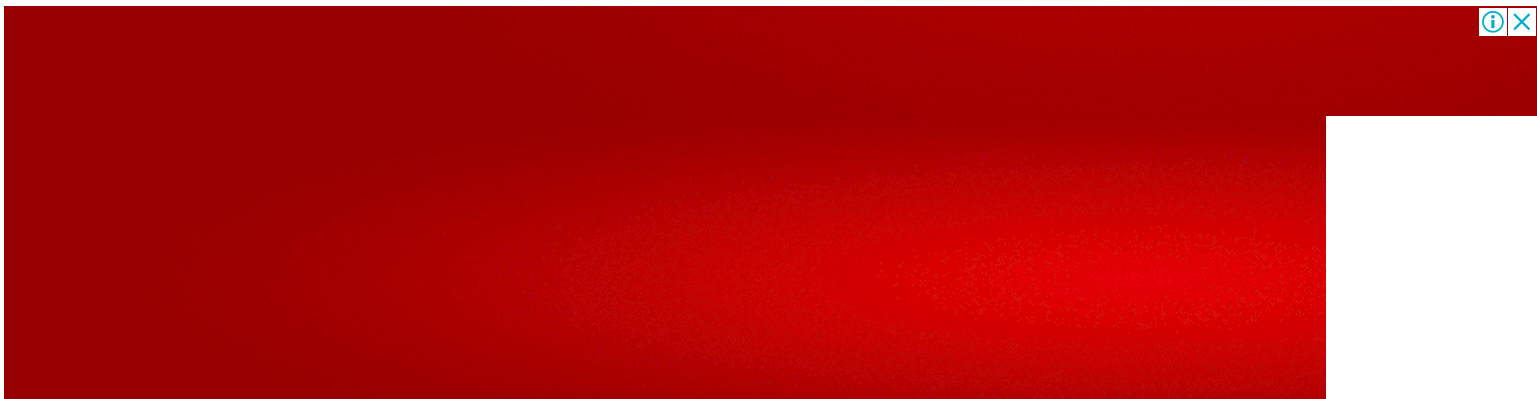
Step 7. Remove GUI

```
sudo apt-get purge gnome-shell ubuntu-wallpapers-bionic light-themes chromium-browser*  
libvisionworks libvisionworks-sfm-dev -y  
sudo apt-get autoremove -y  
sudo apt clean -y
```

Step 8. Remove static libs

```
sudo rm -rf /usr/local/cuda/targets/aarch64-linux/lib/.a |  
/usr/lib/aarch64-linux-gnu/libcudnn.a \  
/usr/lib/aarch64-linux-gnu/libnvcaffe__parser*.a \  
/usr/lib/aarch64-linux-gnu/libnvinfer*.a \  
/usr/lib/aarch64-linux-gnu/libnvonnxparser*.a \  
/usr/lib/aarch64-linux-gnu/libnvparsers*.a
```

Woah! I was able to install NVIDIA DeepStream 6.0 on my 16GB SD card.



Have Queries? Join <https://launchpass.com/collabnix>

Ajeet Raina [Follow](#)

Docker Captain, ARM Innovator & Docker Bangalore Community Leader.

Docker

79 Replies to “Easy way to free up Jetson Nano SD card...”

Graliontorile Says:

20th September 2022 at 7:20 am



Deference to article author, some excellent entropy.

Zoritoler Imol Says:

22nd September 2022 at 3:09 am



Woh I enjoy your posts, saved to fav! .

Sa คาสีโน Says:

24th September 2022 at 4:40 pm



My spouse and I stumbled over here from a different web page and thought I might check things out. I like what I see so now i'm following you. Look forward to looking over your web page for a second time.

รองพัน Says:

24th September 2022 at 5:29 pm



Hello my loved one! I want to say that this post is amazing, great written and come with almost all important infos. I'd like to peer extra posts like this .

สลัดเครดิตฟรี Says:

24th September 2022 at 7:58 pm



Hello, you used to write great, but the last few posts have been kinda boring?K I miss your tremendous writings. Past few posts are just a bit out of track! come on!

ผิวแข็งแรง Says:

25th September 2022 at 12:31 am



I was just looking for this info for some time. After 6 hours of continuous Googleing, at last I got it in your website. I wonder what is the lack of Google strategy that don't rank this kind of informative web sites in top of the list. Usually the top websites are full of garbage.

ชาบีน่า Says:

25th September 2022 at 1:29 am



I am constantly invstigating online for tips that can assist me. Thank you!

แหงหวยออนไลน์ Says:

25th September 2022 at 3:25 am



Hey! I know this is kinda off topic but I was wondering which blog platform are you using for this site? I'm getting tired of WordPress because I've had issues with hackers and I'm looking at options for another platform. I would be awesome if you could point me in the direction of a good platform.

ลิปสติก Says:

25th September 2022 at 3:55 am



Hola! I've been reading your site for a while now and finally got the bravery to go ahead and give you a shout out from Dallas Tx! Just wanted to say keep up the great work!

โทนเนอร์ Says:

25th September 2022 at 8:24 am



There are definitely quite a lot of details like that to take into consideration. That may be a great level to convey up. I provide the thoughts above as common inspiration but clearly there are questions just like the one you bring up the place the most important thing will be working in honest good faith. I don't know if finest practices have emerged round things like that, however I'm certain that your job is clearly recognized as a fair game. Each girls and boys feel the influence of only a second's pleasure, for the rest of their lives.

Jesus Restore Demon-Possessed Men Says:

25th September 2022 at 5:40 pm



Howdy are using WordPress for your blog platform? I'm new to the blog world but I'm trying to get started and create my own. Do you require any html coding knowledge to make your own blog? Any help would be greatly appreciated!

Desentupidora Em São Paulo Says:

26th September 2022 at 12:11 am



Magnificent website. Lots of helpful info here. I'm sending it to some friends and additionally sharing in delicious. And certainly, thank you for your effort!

<https://jiokbcheadofficenum.com/> Says:

26th September 2022 at 4:04 am



I am not sure where you're getting your information, but good topic. I needs to spend some time learning much more or understanding more. Thanks for wonderful information I was looking for this information for my mission.

Situs Slot Says:

26th September 2022 at 8:57 am



Wonderful site. A lot of useful information here. I'm sending it to some friends and also sharing in delicious. And naturally, thanks to your sweat!

Best Oncologist In Austin Texas Says:

26th September 2022 at 11:01 am



It is appropriate time to make some plans for the future and it is time to be happy. I've read this post and if I could I desire to suggest you few interesting things or advice. Maybe you could write next articles referring to this article. I wish to read more things about it!

<https://Kbcclotterynumbercheck.in/> Says:

26th September 2022 at 12:50 pm



In this awesome design of things you'll secure a B- just for effort and hard work. Where you lost me personally ended up being on all the facts. You know, it is said, details make or break the argument.. And that couldn't be more true here. Having said that, permit me reveal to you exactly what did deliver the results. Your authoring is highly convincing which is possibly the reason why I am taking an effort in order to opine. I do not make it a regular habit of doing that. Second, while I can easily notice a leaps in reasoning you make, I am not necessarily certain of exactly how you appear to connect the ideas which produce your conclusion. For now I will, no doubt subscribe to your issue but trust in the near future you connect your facts much better.

Kbc Lottery Says:

26th September 2022 at 4:02 pm



I like the valuable information you provide in your articles. I'll bookmark your blog and check again here frequently. I'm quite sure I will learn many new stuff right here! Best of luck for the next!

Kbc Lottery Number Check Online Says:

26th September 2022 at 10:46 pm



Great line up. We will be linking to this great article on our site. Keep up the good writing.

Slot Hoki Terpercaya Says:

27th September 2022 at 12:05 pm



Your place is valueble for me. Thanks!...

Kbc Lottery Number Check Online Says:

I have been exploring for a bit for any high quality articles or weblog posts in this kind of area . Exploring in Yahoo I ultimately stumbled upon this web site. Studying this information So i am glad to exhibit that I've an incredibly good uncanny feeling I came upon exactly what I needed. I such a lot undoubtedly will make certain to don't omit this web site and provides it a look regularly.

Fa Storre Brost Naturligt Says:

27th September 2022 at 5:30 pm



Very interesting information!Perfect just what I was looking for! “If you bungle raising your children, I don’t think whatever else you do matters.” by Jacqueline Lee Bouvier Kennedy Onassis.

Fali Csaptelep Says:

27th September 2022 at 5:31 pm



Real informative and wonderful body structure of subject matter, now that’s user friendly (:

Rajaslot88 Says:

27th September 2022 at 6:06 pm



Great site. Plenty of useful information here. I am sending it to a few friends ans also sharing in delicious. And obviously, thank you to your sweat!

Sa Far Du Storre Brost Utan Operation Says:

27th September 2022 at 7:58 pm



I was wondering if you ever thought of changing the layout of your site? Its very well written; I love what youve got to say. But maybe you could a little more in the way of content so people could connect with it better. Youve got an awful lot of text for only having one or two pictures. Maybe you could space it out better?

Slot Hoki Says:

27th September 2022 at 9:20 pm



Woh I like your posts, bookmarked! .

Gatsby Pria Says:

27th September 2022 at 10:04 pm



I like this weblog its a master peace ! Glad I found this on google .

Printing Service Says:

28th September 2022 at 1:05 am



Very interesting information! Perfect just what I was searching for!

Slot Online Says:

28th September 2022 at 9:32 am



I've been surfing online greater than 3 hours lately, but I never found any attention-grabbing article like yours. It is lovely price enough for me. Personally, if all webmasters and bloggers made just right content material as you probably did, the web can be much more useful than ever before.

Professional Facebook Hack Says:

28th September 2022 at 1:18 pm



wonderful points altogether, you simply gained a brand new reader. What would you recommend in regards to your put up that you just made a few days in the past? Any sure?

Printing Leyton Says:

28th September 2022 at 3:10 pm



Nice read, I just passed this onto a friend who was doing a little research on that. And he actually bought me lunch because I found it for him smile Therefore let me rephrase that: Thank you for lunch!

Discord Hackers 2022 Says:

28th September 2022 at 8:40 pm



Wow! Thank you! I always wanted to write on my blog something like that. Can I include a part of your post to my site?

Vestidos Infantil Festa Says:

29th September 2022 at 10:50 am



Magnificent site. Plenty of useful information here. I'm sending it to several friends ans also sharing in delicious. And naturally, thanks for your sweat!

How To Build A Concrete Hot Tub Says:

29th September 2022 at 3:26 pm



Hi there! This post couldn't be written any better! Reading through this post reminds me of my previous room mate! He always kept talking about this. I will forward this article to him. Pretty sure he will have good read. Thank you for sharing!

Plug Anal Lillian Aquece Says:

29th September 2022 at 5:39 pm



I was looking through some of your posts on this site and I believe this website is very instructive! Retain posting.

Asphalt Paving Says:

29th September 2022 at 9:08 pm



I'm no longer certain the place you're getting your info, but great topic. I needs to spend some time studying much more or working out more. Thank you for great info I used to be searching for this information for my mission.

7 ישראל Says:

30th September 2022 at 12:07 am



In this awesome pattern of things you'll secure an A with regard to hard work. Exactly where you misplaced us was first in your details. As they say, the devil is in the details... And that could not be much more correct in this article. Having said that, let me say to you precisely what did do the job. Your article (parts of it) is definitely highly convincing and this is most likely the reason why I am taking an effort in order to comment. I do not make it a regular habit of doing that. Secondly, while I can easily notice the leaps in logic you make, I am not really confident of exactly how you seem to unite your points which make the final result. For right now I will yield to your point however wish in the future you link your facts much better.

Lotofacil Says:

30th September 2022 at 12:23 pm



I am now not sure the place you're getting your info, but great topic. I must spend some time studying much more or figuring out more. Thank you for wonderful information I was looking for this info for my mission.

Liberty Village Condos For Sale Says:

30th September 2022 at 5:47 pm



Hi, Neat post. There is an issue with your web site in internet explorer, would check this... IE nonetheless is the market leader and a huge component to folks will leave out your excellent writing because of this problem.

Joseph Roffe Says:

1st October 2022 at 1:15 am



Hi there! Someone in my Facebook group shared this website with us so I came to give it a look. I'm definitely enjoying the information. I'm book-marking and will be tweeting this to my followers! Excellent blog and terrific style and design.

Web Design Em Porto Seguro Says:

1st October 2022 at 8:34 am



Hi! This is my first comment here so I just wanted to give a quick shout out and tell you I really enjoy reading through your blog posts. Can you recommend any other blogs/websites/forums that go over the same topics? Thank you so much!

Slot Online Says:

2nd October 2022 at 7:22 am



so much wonderful info on here, : D.

Situs Judi Togel Online Resmi Says:

2nd October 2022 at 1:02 pm



I am really enjoying the theme/design of your website. Do you ever run into any internet browser compatibility problems? A few of my blog visitors have complained about my blog not working correctly in Explorer but looks great in Chrome. Do you have any suggestions to help fix this problem?

Kbc Head Office Number Kolkata 2022 Says:

3rd October 2022 at 12:03 pm



I used to be very happy to search out this internet-site. I wanted to thanks for your time for this excellent learn!! I definitely enjoying each little bit of it and I have you bookmarked to take a look at new stuff you blog post.

Com Sec Android Daemonapp Says:

3rd October 2022 at 10:25 pm



It's actually a nice and useful piece of information. I'm glad that you shared this helpful information with us. Please keep us up to date like this. Thank you for sharing.

Site Link Says:

6th October 2022 at 2:28 am



I would like to thnx for the efforts you have put in writing this website. I am hoping the same high-grade blog post from you in the upcoming as well. In fact your creative writing skills has encouraged me to get my own web site now. Really the blogging is spreading its wings fast. Your write up is a good

example of it.

Read Says:

6th October 2022 at 11:04 am



My husband and i were quite glad when Edward could deal with his researching with the precious recommendations he was given from your very own web site. It's not at all simplistic to simply always be giving away secrets and techniques which usually many people have been making money from. And we discover we have got the blog owner to be grateful to for this. These illustrations you've made, the straightforward site navigation, the friendships you help create – it's got mostly spectacular, and it's really assisting our son in addition to us believe that this situation is interesting, which is certainly highly vital. Thanks for the whole thing!

Build In Ground Hot Tub Says:

6th October 2022 at 3:45 pm



Keep working ,remarkable job!

Assinar Netflix Com Pix Says:

6th October 2022 at 9:46 pm



Great ?V I should certainly pronounce, impressed with your website. I had no trouble navigating through all tabs and related info ended up being truly simple to do to access. I recently found what I hoped for before you know it at all. Reasonably unusual. Is likely to appreciate it for those who add forums or something, site theme . a tones way for your customer to communicate. Nice task..

Paypal Hack 2022 Says:

7th October 2022 at 9:21 am



Keep up the superb work, I read few articles on this web site and I conceive that your blog is real interesting and has bands of superb info .

Kkslot777 Says:

7th October 2022 at 10:51 pm



An impressive share, I just given this onto a colleague who was doing a little analysis on this. And he in fact bought me breakfast because I found it for him.. smile. So let me reword that: Thnx for the treat! But yeah Thnkx for spending the time to discuss this, I feel strongly about it and love reading more on this topic. If possible, as you become expertise, would you mind updating your blog with more details? It is highly helpful for me. Big thumb up for this blog post!

Kkslot777 Says:

8th October 2022 at 12:41 am

I do not even know how I ended up here, but I thought this post was good. I do not know who you are but certainly you are going to a famous blogger if you are not already 😊 Cheers!

Fungame777 Says:

8th October 2022 at 3:27 am



I appreciate, cause I found exactly what I was looking for. You've ended my four day long hunt! God Bless you man. Have a nice day. Bye

Fungame777 Says:

8th October 2022 at 4:50 am



whoah this blog is great i love reading your posts. Keep up the good work! You know, a lot of people are hunting around for this info, you could help them greatly.

Poker Online Says:

8th October 2022 at 5:37 pm



naturally like your web site but you have to take a look at the spelling on several of your posts. A number of them are rife with spelling problems and I in finding it very bothersome to inform the truth then again I'll certainly come again again.

Situs Judi Poker Online Says:

8th October 2022 at 8:13 pm



I have been surfing online more than three hours as of late, yet I never discovered any attention-grabbing article like yours. It is pretty price enough for me. In my view, if all webmasters and bloggers made just right content material as you did, the internet might be much more helpful than ever before.

Bandar Togel Online Terpercaya Says:

9th October 2022 at 12:18 am



I love it when people come together and share opinions, great blog, keep it up.

Assistencia Técnica De Geladeira Em Maceió - AL Says:

9th October 2022 at 7:14 pm



I was just looking for this information for a while. After 6 hours of continuous Googleing, finally I got it in your website. I wonder what's the lack of Google strategy that do not rank this kind of informative websites in top of the list. Usually the top web sites are full of garbage.

MPO212 Says:

10th October 2022 at 12:26 am



Greetings! I know this is kinda off topic but I was wondering if you knew where I could find a captcha plugin for my comment form? I'm using the same blog platform as yours and I'm having difficulty finding one? Thanks a lot!

Qr Code Says:

10th October 2022 at 3:54 am



I have been checking out some of your posts and i can claim pretty nice stuff. I will definitely bookmark your website.

Raja Slot88 Says:

10th October 2022 at 8:53 am



Good write-up, I'm normal visitor of one's web site, maintain up the nice operate, and It is going to be a regular visitor for a lengthy time.

Viasat Internet Plans Says:

10th October 2022 at 3:45 pm



Sure, Viasat Satellite internet deals are pricey, but when compared to HughesNet's pricing and speed, you're getting a good deal. Viasat internet plans, like those of any other satellite internet provider, include data and speed limitations.

<https://www.clubhdtv.com/viasat-satellite-internet-service.html>

Gigaprices Says:

10th October 2022 at 4:11 pm



whoah this blog is great i love reading your articles. Keep up the great work! You know, a lot of people are searching around for this information, you could aid them greatly.

Viasat Internet Plans Says:

10th October 2022 at 4:53 pm



When compared to DSL and cable internet, Viasat satellite internet plans are prohibitively expensive. Viasat internet plans are similar to other satellite plans in that they provide fixed data and speed.

<https://www.topinternetplans.com/viasat-service-provider.html>

Series Online Says:

10th October 2022 at 7:27 pm



Great remarkable things here. I am very glad to peer your post. Thanks a lot and i'm having a look forward to contact you. Will you kindly drop me a mail?

Motivational Story In Hindi Says:

10th October 2022 at 7:56 pm



Hello my family member! I want to say that this article is awesome, nice written and come with almost all significant infos. I'd like to see extra posts like this .

Piping Engineering Company Says:

11th October 2022 at 2:04 am



Hello my family member! I wish to say that this post is amazing, nice written and come with approximately all significant infos. I would like to see extra posts like this .

Paket Tour Belitung Says:

11th October 2022 at 7:08 am



Greetings! Very helpful advice on this article! It is the little changes that make the biggest changes. Thanks a lot for sharing!

Harga Pemakaman San Diego Hills Kristen Says:

11th October 2022 at 12:10 pm



Some truly excellent articles on this site, appreciate it for contribution.

Curso The King Affiliate 3.0 Rodrigo Gonçalves Says:

12th October 2022 at 1:06 pm



I want to express my admiration for your generosity for those people that really need help with this important subject matter. Your personal commitment to passing the message all through had been wonderfully productive and has empowered somebody just like me to achieve their targets. Your warm and friendly guideline implies so much to me and further more to my colleagues. Thank you; from each one of us.

Saude Sete Lagoas Says:

12th October 2022 at 2:35 pm



You're so cool! I don't suppose I've learned anything like this before. So nice to search out anyone with some unique thoughts on this subject. Really thanks for starting this up. This website is one thing that is needed on the net, someone with just a little originality. Useful job for bringing something new to the internet!

Anal Toys For Guys Says:

13th October 2022 at 1:48 am



I want to gather useful information, this post has got me even more info! .

Kbc Lottery Number Check Online 2023 Says:

13th October 2022 at 4:25 am



What I do not understand is in fact how you are not really a lot more smartly-appreciated than you may be now. You're so intelligent. You know thus considerably in terms of this matter, produced me in my view believe it from numerous varied angles. It's like women and men aren't involved unless it is something to do with Lady Gaga! Your personal stuffs nice. All the time handle it up!

Kbc Lottery Number Check Online 2022 Airtel Says:

13th October 2022 at 8:27 am



wonderful put up, very informative. I ponder why the other experts of this sector do not notice this. You must proceed your writing. I'm sure, you have a huge readers' base already!

Kbc Lottery Number Check Says:

13th October 2022 at 3:41 pm



Nice blog here! Additionally your website quite a bit up very fast! What web host are you the use of? Can I am getting your associate hyperlink for your host? I desire my site loaded up as fast as yours lol

Kbc Lottery 2023 Says:

13th October 2022 at 8:20 pm



Lovely just what I was looking for. Thanks to the author for taking his time on this one.

Cell Phone Hacking Services Says:

14th October 2022 at 8:26 am



You have brought up a very wonderful points, regards for the post.

Pembuatan Ruang Sauna Says:

14th October 2022 at 11:51 am

Some times its a pain in the ass to read what website owners wrote but this site is really user friendly! .

Cell Phone Hacking Services Says:

14th October 2022 at 3:34 pm



Thank you, I've recently been looking for info about this subject for a long time and yours is the best I've found out so far. But, what in regards to the bottom line? Are you positive concerning the source?

How To Hire A Hacker For Cell Phone Says:

14th October 2022 at 6:34 pm



I've been absent for a while, but now I remember why I used to love this blog. Thanks, I will try and check back more frequently. How frequently you update your website?

Leave a Reply

Write a response...

Name

E-mail address

Website Link

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment