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[TUTORIAL] How to use Odin and all its functions explained (NOOB FRIENDLY)

[applesucksLmao](#) · Jan 11, 2023[Home](#) > [Forums](#) > [General Development](#) > [Android Development and Hacking](#) > [Android General](#)

1 2

A

applesucksLmao

Senior Member



Jan 11, 2023

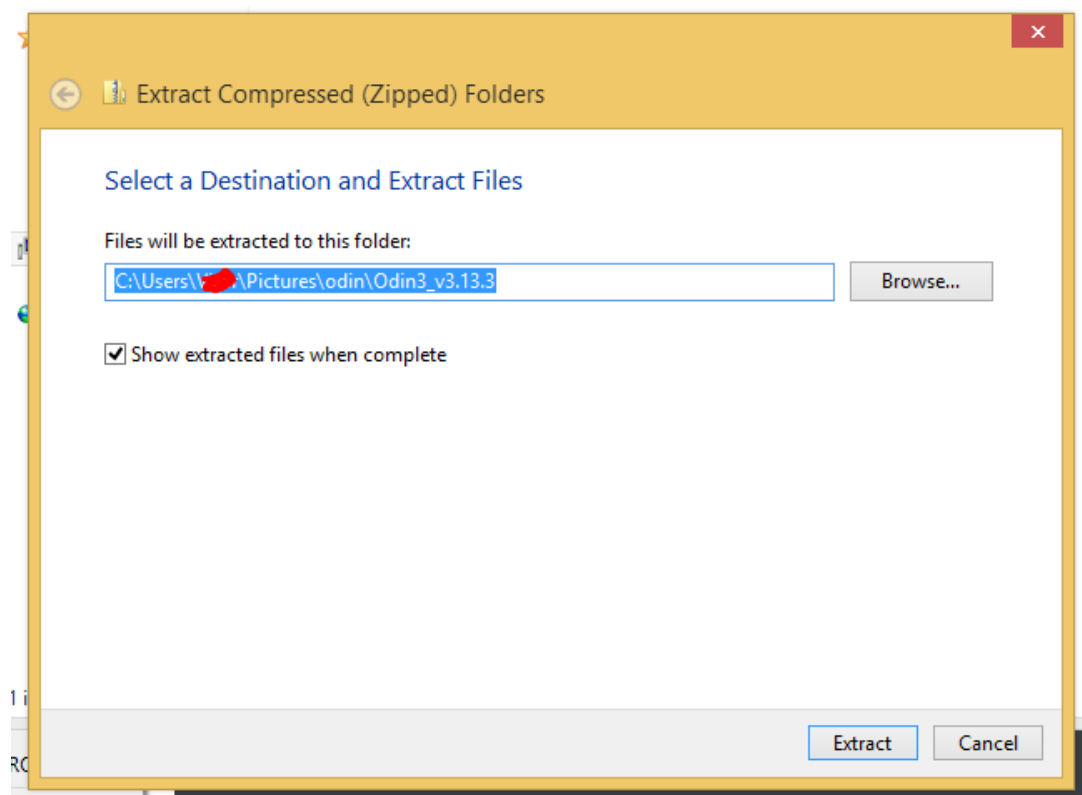
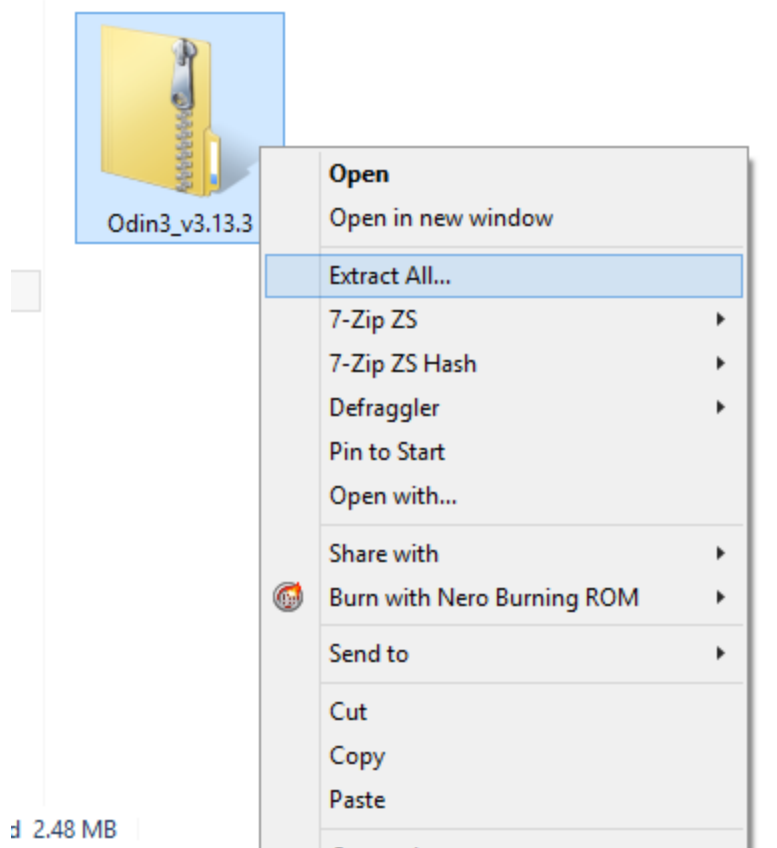
#1

IM NOT RESPONSIBLE FOR ANY NUCLEAR REACTIONS THAT MAY HAPPEN WHEN THINGS GO WRONG.

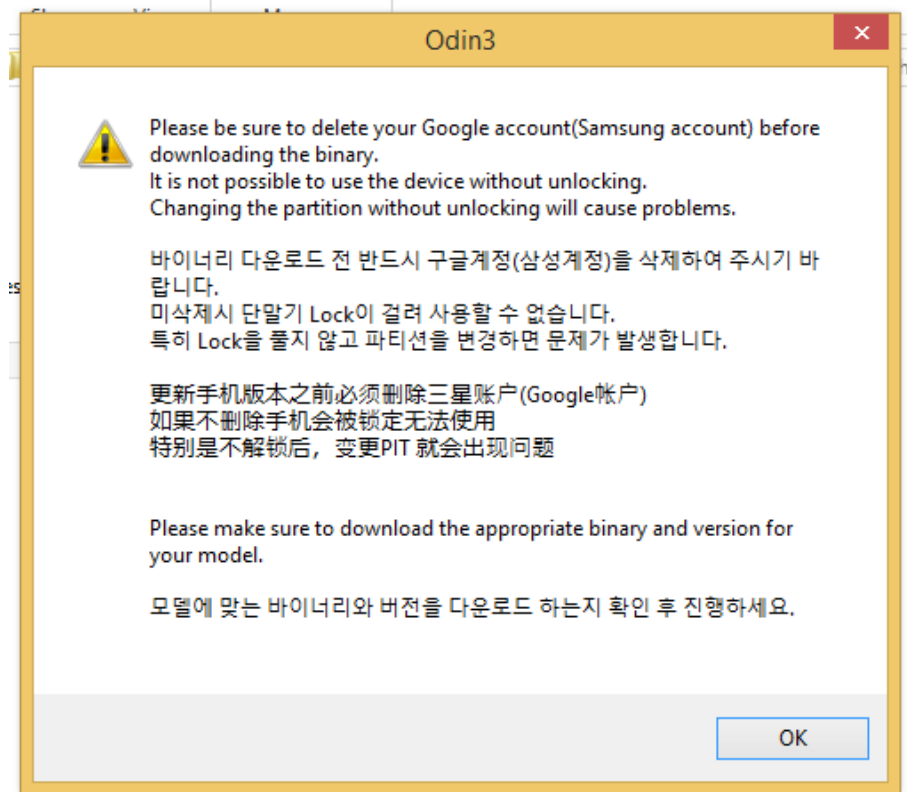
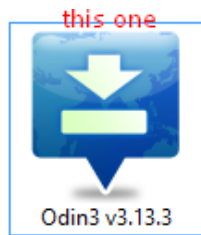
What is Odin? Odin is a tool leaked Samsung tool that allows flashing Samsung devices, because they don't have Fastboot

How to even download it? To download Odin, head to https://www.droidviews.com/wp-content/uploads/2019/01/Odin3_v3.13.3.zip

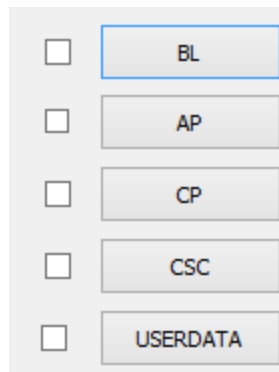
After downloading it? After downloading the Odin zip file, you need to extract it by clicking on "Extract All" and then on "Extract"



To open Odin, just click on the .exe file with a big logo and then click on "OK"



NOW ACTUALLY EXPLANING THE FUNCTIONS



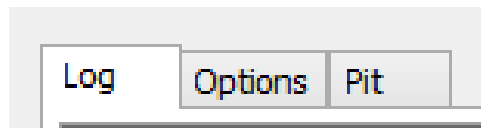
BL - Stands for Boot Loader, which is responsible for loading all the system files and android

AP - Stands for "Android Processor". Anything inserted here will be flashed into /system partition

CP - Stands for "Core Processor". This part is used to flash the Modem images of Samsung devices.

CSC - This is your country code, or "Consumer Software Customization". It can change your region, the carrier apps installed and can change based on your SIM card

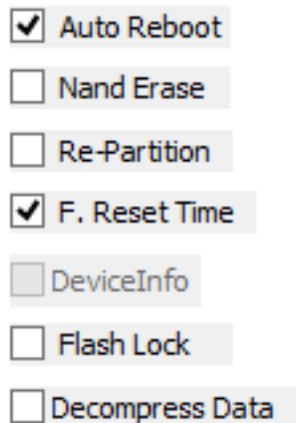
USERDATA: SHOULD NOT BE TOUCHED UNLESS YOU HAVE UNLOCKED BOOTLOADER. Sometimes used to insert a blank vbmeta file on some phones (Like the Galaxy A32)



Log - Where you can keep track of what Odin is doing to your phone when you hit the start button

Options - Boxes you can check to customize actions on Odin (WILL BE EXPLAINED further DOWN)

Pit - Where you insert the .pit file to Repartition your phone (WILL BE EXPLAINED further DOWN)



Auto Reboot - When checked, your phone will reboot automatically after the flashing is finished

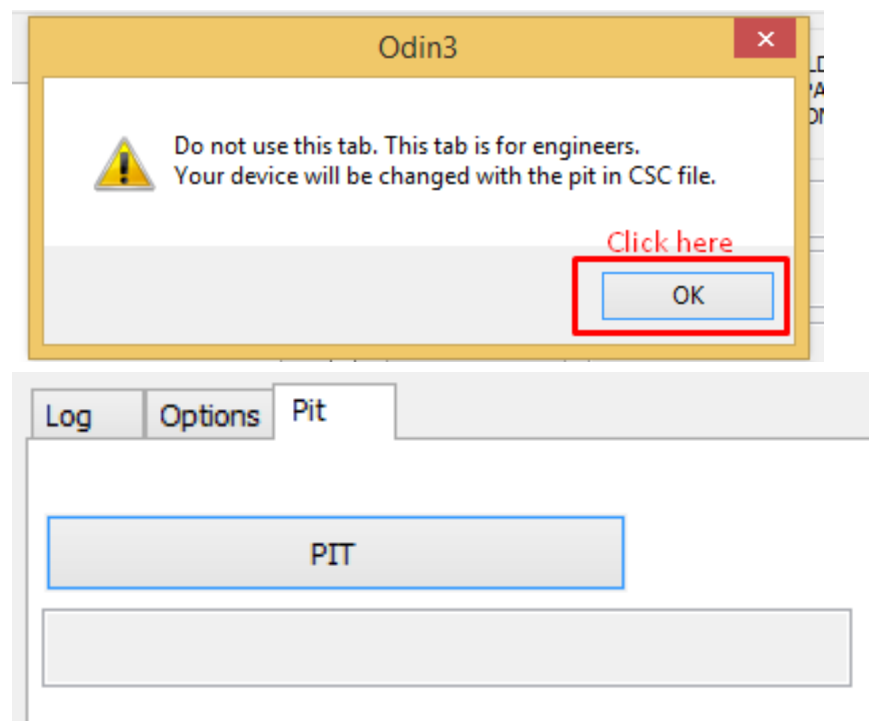
Nand Erase and Re-Partition - SHOULD BE CHECKED TOGETHER WHEN USING These two allow the user to repartition the phone. Very useful when something goes wrong and you can't solve it NEEDS THE .PIT FILE INSERTED INTO THE PIT TAB

F. Reset Time - Resets the clock

DeviceInfo - Disables flashing and only shows some Information about your device, "SAFE" to use

Flash Lock - Locks your bootloader again when unlocked - Not working with the Galaxy S10/N10 series

Decompress Data - Decompresses the files into an intermediate buffer. NO USE AS OF NOW, DON'T USE IT



THE PIT TAB SHOULD ONLY BE USED WHEN CHECKING NAND ERASE AND REPARTITIONING

When clicking on "PIT", Odin will prompt you to select a .pit file for your specific device. You can get that by extracting the Firmware that says CSC on it

You: OK, but how do I even get those flashing files?

Me: Well, you need to go to <https://samfw.com/> and type in your device model. Then Select your Country and your CSC. I suggest you to not select your carriers CSC, instead select a Clean/Unbranded CSC.

CSC LIST: available at <https://ihax.io/samsung-csc-codes/>

Country	Samsung CSC Codes
A	
Afghanistan	AFG
Algeria	TMC, ALG, ALR
Albania	AVF (Vodafone)
Argentina	ANC, ARO, CTI (Claro), UFN (Movistar), PSN (Personal)
Aruba	ARU
Australia	XSA, OPP, OPS (Optus), VAU (Vodafone), TEL (Telus), HUT (Three/Vodafone)
Austria	ATO (Open Austria) AOM, DRE (3 Hutchinson), MAX (T-Mobile), MOB (A1), MOK, ONE (Orange), TRG (Teling)
B	
Bahrain	ARB
Baltic	SEB
Belarus	MTB, VEL
Belgium	BSE, BAE, PRO (Proximus), XEB
Bangladesh	BNG, (unbranded), TML (unbranded), ETR
Bosnia-Herzegovina	ERO, BHO, BHT (BH Telecom), TEB
Brazil	ZTO (unbranded), BTA, BTM, TMR, ZTA (Claro), ZVV (Vivo), ZTM (TIM)
Bulgaria	BGL (unbranded), CMF, GBL, MTE, MTL (MTL), OMX, PLX, VVT (VVT)
C	
Cambodia	CAM (unbranded), RCG
Canada	BMC (Bell), RWC (Rogers), TLS (Telus), KDO (Koodo)
Chile	CHO (unbranded), CHB, CHE (Entel PCS), CHL (Claro), CHT (Telefonica)
China	CHN, CMC, CUH, INT, M00, TEC, TIY
Colombia	COO (unbranded), CGU, COB, COL, COM
Costa Rica	ICE
Croatia	CRO, TRA, TWO, VIP (VIP-Net)
Cyprus	CYV (Vodafone)
Czech Republic	ETL (unbranded), KBN, O2C, OSK, TMZ, VDC (Vodafone), XCS, XEZ
D	
Denmark	DTL

Dominican Rep.	CDR, TDR
Dominica	CST, DCN, DOR
E	
Ecuador	BBR
Egypt	EGY (unbranded)
El Salvador	DGC, TBS
F	
Finland	ELS, SAU
France	XEF (unbranded), AUC, BOG, COR, DIX, FTM, NRJ, OFR, ORC, ORF, OXA*, SFR, UNI, VGF
G	
Germany	DBT (unbranded), DTM (T-Mobile), DUT, EPL (E-Plus), MAN, MBC, OXA*, VD2 (Vodafone), VIA (O2), XEG
Ghana	SPN, ACR (unbranded)
Greece	EUR (unbranded), AOC, COS (Cosmote), CYO, GER, OXX*, TGR, VGR (Vodafone), ILO (HotMobile)
Guatemala	PCS
H	
Hong Kong	TGY
Hungary	XEH (unbranded), PAN (Telenor), VDH (Vodafone), WST, TMO, TMH (T-Mobile)
I	
India	INU (unbranded), IND, INA, INS (unbranded), IMS, REL
Indonesia	AXI, SAR, XSE
Iran	THR (unbranded)
Iraq	MID (unbranded)
Ireland	3IE, VDI (Vodafone)
Israel	ILO (unbranded), CEL, PCL, PTR
Italy	ITV (unbranded), FWB, GOM, HUI, OMN (Vodafone), OXA*, TIM, VOM, WIN, XET
Ivory Coast	IRS, SIE
J	
Jamaica	JBS, JCN, JCW
Japan	DCM, SBM, VFK
Jordan	LEV
K	
Kazakhstan	EST, KCL, KMB, KZK, OXE*, SKZ (unbranded)
Kenya	KEN, KEL, AFR

Korea	SKT
L	
Latvia	SEB (unbranded)
Libyan Arab Rep.	MMC
Lithuania	TLT
Luxembourg	LUX (unbranded)
M	
Macao	VTN
Macedonia	TMC, MBM
Malaysia	CCM, FME, FMG, MXS, OLB*, XME (unbranded)
Mexico	SEM, TCE, TMM, UNE
Mongolia	MPC
Morocco	FWD, MAT, MED, MWD (unbranded), SNI, WAN
N	
Nepal	NPL (unbranded)
Netherlands	PHN (unbranded), BEN, KPN, MMO, ONL, QIC, TFT, TNL, VDF (Vodafone), VDP, XEN
New Zealand	VNZ
Nigeria	ECT (unbranded), GCR, MML
Nordic Countries	NEE (unbranded)
Norway	TEN
P	
Pakistan	PAK (unbranded), WDC
Panama	TPA (unbranded), BPC, PCW, PBS
Peru	PEB, PET, SAM
Philippines	FAM, GLB, OLB*, SMA, XTC (Open Line) , XTE
Poland	ERA, IDE, PLS, PRT, XEO (unbranded), OXA*, OXX*
Portugal	OPT, OXX*, TCL (Vodafone), TMN, TPH (unbranded), XEP
Puerto Rico	CEN, PCI, TPR
R	
Romania	ROM (unbranded), CNX (Vodafone), COA, HAT, ORO, OXX*
Russia	AZC, BLN, EMT, ERS, GEO, MTV, OXE*, SER (unbranded), SNT
S	
Saudi Arabia	KSA (unbranded), JED
Senegal	DKR (unbranded)

Serbia Montenegro	MSR, OXX*, PMN, SMO, TOP, TSR
Singapore	MM1, XSP (unbranded), SIN (Singtel), STH (Starhub), BGD, XSO
Slovenia	MOT, SIM (Si.mobile)
Slovakia	ORX (unbranded), GTL, IRD, ORS, OXX*, TMS
South Africa	XFA, XFE (unbranded), OXX*, XFC, XFM, XFV (Vodafone)
South East Europe	SEE (unbranded)
South West Asia	SWA
Spain	PHE (unbranded), FOP, AMN (Orange), ATL (Vodafone), EUS, XEC (Movistar), YOG (Yoigo)
Sri Lanka	SLK (unbranded)
Sweden	BAU, BCN, BME, BSG, BTH, COV, HTS, SEN, TET, TLA, TNO, VDS, XEE
Switzerland	AUT (unbranded), MOZ, ORG, OXX*, SUN, SWC (Swisscom)
T	
Taiwan	BRI (unbranded), CWT, TCC, TCI, TWM
Temporary	TEM
Thailand	CAT, OLB*, THE, THL (unbranded), THO, THS, LAO, MYM
Tanzania	SOL
Trinidad and Tobago	EON (unbranded), TTT (unbranded)
Tunisia	TUN (unbranded), ABS, RNG
Turkey	TUR (unbranded), BAS, KVK, TLP, TRC
U	
Ukraine	KVR, SEK (unbranded), UMC
United Arab Emirat	ARB, ITO, MID, OXE*, XSG (unbranded)
United Kingdom	BTU (unbranded), EVR (EE), BTC, CPW (Carphone Warehouse), H3G, O2I, O2U (O2), ORA (Orange), OXA*, TMU (T-Mobile), TSC, VIR, VOD (Vodafone), XEU (EE & Three)
USA	ACG (Nextech/C), ATT (AT&T), BST, CCT (Comcast), GCF, LRA (Bluegrass Cellular), SPR (Sprint), TFN (Tracfone), TMB (T-Mobile), USC (US Cellular), VMU (Virgin Mobile USA), VZW (Verizon Wireless), XAA (unbranded/default), XAS
Uzbekistan	CAC (unbranded), UZB
V	
Venezuela	VMT (Movistar), DGT, MVL
Vietnam	DNA, FPT, OLB*, PHU, SPT, TLC, VTC, VTL, XEV, XXV (unbranded)

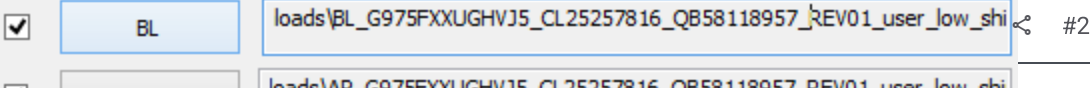
After downloading the big single file, extract it, and you now see multiple files

	HOME_CSC_OWO_G975FOWOGHVJ5_CL...	10/21/2022 4:07 PM	TAR File	93,231 KB
	CSC_OWO_G975FOWOGHVJ5_CL2537940...	10/21/2022 4:08 PM	TAR File	93,241 KB
	CP_G975FXXUGHVJ1_CP23048532_CL252...	10/21/2022 4:07 PM	TAR File	27,421 KB
	BL_G975FXXUGHVJ5_CL25257816_QB581...	10/21/2022 4:01 PM	TAR File	5,921 KB
	AP_G975FXXUGHVJ5_CL25257816_QB581...	10/21/2022 4:01 PM	TAR File	6,245,041 KB

ins justwinstuff, lydu, johnhale and 7 others
all of them at each place on Odin. You can see the prefixes like AP, BL etc at the name of the files.



OffsetPikachu55
Senior Member



applesucksLmao said: ↻

Options - Boxes you can check to customize actions on Odin
(WILL BE EXPLAINED FUERTHER DOWN)
Pit - Where you insert the .pit file to Repartition your phone (WILL
BE EXPLAINED FUERTHER DOWN)

In CSC, if you want to keep your files, instead of inserting CSC, insert HOME_CSC at
sorry to be that person but you misspelled further
the CSC place on Odin

A

applesucksLmao
Senior Member



Then hit start with your phone on download mode and connected to your Windows
Computer. In my case, i'm using Windows 8.1 Pro. You can use any version from
Jan 11, 2023 Windows Vista to Windows 11 #3

OffsetPikachu55 said: ↻

sorry to be that person but you misspelled further

i will correct it, don't worry. English isn't my first language, i'm Brazilian
Last edited: Jan 11, 2023



jshsvck
Member



Jun 16, 2023 #4

Hi, I currently have a Japanese s21 plus (scg10) with snapdragon 888.
The question is can I flash it with US-unlocked firmware since they both have 888?

thanks

WWSPERLING92

A

applesucksLmao

Senior Member



Jul 8, 2023

#5

jshsvck said:

Hi, I currently have a Japanese s21 plus (scg10) with snapdragon 888.
The question is can I flash it with US-unlocked firmware since they both have 888?

thanks

sorry for the delay to answer...

well, the odds are that you probably can't, samsung firmwares will allow different network bands to be received on different regions and models, even though the processor on both is the snapdragon 888

**techyrock**

Senior Member



Sep 4, 2023

#6

jshsvck said:

Hi, I currently have a Japanese s21 plus (scg10) with snapdragon 888.
The question is can I flash it with US-unlocked firmware since they both have 888?

thanks

Any luck changing the firmware brother?, I have barely seen anything SCG10 related anywhere online and signals on this Japanese variant are pretty weak

**midoshbl1**

Member



Sep 18, 2023

#7

can i change csc from INS to THL with HOMECSC to keep all userdata ? ODM to OLM ? or only by CSC file only to format all userdata?

**midoshbl1**

Member



Sep 18, 2023

#8

Another thing .. I tried on my A52s to Change CSC from EGY to INS by BL,AP,CP & HOMECSK it works .. when I tried to change from INS to THL by BL,AP,CP & HOMECSK it has Error while updating software .. fixed by INS HOMECSK
BECAUSE OF THE AP FILE MD5 CHECK INVALID
and Firmware from A528BXXS4EWGC To A528BXXS4EWGB
August Security Patch 2023

A**applesucksLmao**

Senior Member



Sep 20, 2023

#9

midoshbl1 said:

can i change csc from INS to THL with HOMECSK to keep all userdata ? ODM to OLM ? or only by CSC file only to format all userdata?

you can only use homecsc if it is the same as your csc

midoshbl1

S**Spelle**

Senior Member



Oct 1, 2023

#10

Hi, I wonder if you might be able to help me

I bought a bricked S21 FE 5G online, thinking I could easily flash it in Odin.

After much testing, I have finally managed to get the phone into Download mode, and have flashed the latest firmware, a B2 version.

Flashing goes well, and finishes with a green PASS!

BUT, the phone does not boot in any way, and again the only thing I can access is Download Mode.

What am I doing wrong? Should I do a NAND erase and re-partition?

The phone is OEM locked, so when I try to erase and re-partition with the B2 PIT file, the phone rejects the PIT file.

Please help?

A**applesucksLmao**

Senior Member

Oct 1, 2023

#11

Ok, let's see if I understood that well, your phone's model is SM-G990B2, right?

Flash the latest firmware possible, and insert all the files in all the squares. If you could post exactly what you've done and what happens, it'd be great



For now, while we don't know that, try using Samsung Smart Switch



Smart Switch | Apps & Services | Samsung AU

With Smart Switch, easily switch from iPhone to Galaxy. Transfer photos, contacts, messages and more from iPhone or other devices to your new Galaxy.
www.samsung.com

J

j0sefuz

Senior Member



Nov 29, 2023

#12

hi. what's the latest odin version? thanks.

geebobby945

A

applesucksLmao

Senior Member



Dec 1, 2023

#13

j0sefuz said: ↻

hi. what's the latest odin version? thanks.

3.14.1 is the latest version of odin

Last edited: Dec 29, 2023



IverCoder

Member



Dec 28, 2023

#14

applesucksLmao said: ↻

3.14.4 is the latest version of odin

It's 3.14.1 right? 3.14.4 is a fake version containing a compromised dll (afaik it connects to a Chinese server)

A

applesucksLmao

Senior Member



Dec 29, 2023

#15

IverCoder said: ↻

It's 3.14.1 right? 3.14.4 is a fake version containing a compromised dll (afaik it connects to a Chinese server)

just did a check on both 3.14.4 and 3.14.1 and it seems you`re right, my bad

3.14.4 -

Activity Summary

- + Executable
- + Anti-Analysis
- + Collection



Network Communication ⓘ

DNS Resolutions

- + fp2E7A.wpc.2BE4.phicdn.net
- + fp2e7a.wpc.2be4.phicdn.net
- + fp2e7a.wpc.phicdn.net

IP Traffic

- 104.86.182.8:443 (TCP)
- 13.107.39.203:80 (TCP)
- 13.107.4.50:80 (TCP)
- 131.253.33.203:80 (TCP)
- 168.62.242.76:443 (TCP)
- 192.168.0.12:137 (UDP)
- 192.168.0.13:137 (UDP)
- 192.168.0.1:137 (UDP)
- 192.168.0.44:137 (UDP)
- 192.168.0.45:137 (UDP)



3.14.1 -

- + Host-Interaction
- + Data-Manipulation
- + Linking
- + Executable
- + Anti-Analysis
- + Collection



Network Communication ⓘ

DNS Resolutions

- + firefox.settings.services.mozilla.com

IP Traffic

- 104.86.182.43:443 (TCP)
- 131.253.33.203:80 (TCP)
- 192.168.0.2:137 (UDP)
- 192.229.211.108:80 (TCP)
- 20.22.113.133:443 (TCP)

🔗 #16

IverCoder said:

It's 3.14.1 right? 3.14.4 is a fake version containing a compromised dll (afaik it connects to a Chinese server)

by the way, the odin download I provided on the start of the thread is clean of any weird connections

IverCoder

A

applesucksLmao
Senior Member



A

Aexus135
New member



Mar 25, 2024

🔗 #17

I want to install the Eu ROM in a korean s24 ultra, is the firmware you provided the official one with all services, warranty and 7 years of updates? Is EUX the unbranded European firmware?

A

ahmedelgezawy

Jul 28, 2024

🔗 #18

wait this isn't the official flash tool, and it is leaked tool?



VelonWoo
Member

Aug 17, 2024

🔗 #19

My tab S4 accidentally deleted the system due to a system error. Now it restarts indefinitely and cannot enter the system. Even after flashing Odin, it is the same. Is there any way to save it?



ahmedelgezawy
Senior Member

Aug 17, 2024

🔗 #20

VelonWoo said: ↩

My tab S4 accidentally deleted the system due to a system error. Now it restarts indefinitely and cannot enter the system. Even after flashing Odin, it is the same. Is there any way to save it?

Seems that you have a bootloop
Did you falsh the frimware correctly?
Also
Csc instead of home csc is better for clean flash but u will lose your data.....
If you flashed home csc
You can try go to recovery and factory reset

1 2 ▶

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All Pantech Vega Racer II (SKY IM-A830/A840L/S/K)/IM-a800 utilities and works!!

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10

A applesucksLmao

IM NOT RESPONSIBLE FOR ANY NUCLEAR REACTIONS THAT MAY HAPPEN WHEN THINGS GO WRONG.

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Jan 11, 2023

View

2

A applesucksLmao

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3.14.4 -

Activity Summary

Dec 29, 2023

View

1



jshsvck

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Jun 16, 2023

View

1 A applesucksLmao

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Sep 20, 2023

[View](#)

1 J j0sefuz

hi. what's the latest odin version? thanks.

Nov 29, 2023

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Crafted by Audentio

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