



## Tech Tool News

### Version 2.8.160

### Abstract

This news gives you an overview of new features and changes in the Tech Tool. Please take your time to read through this news carefully as it will support you in having full benefit of the Tech Tool.

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## Tech Tool Release 2.8.160– November 1, 2022

The Tech Tool release 2.8.160 is available for download in the Client Update from week 44, 2022.

### Important information

1. The system changes are limited, without any impact on stability and performance of Tech Tool.
2. **Installation of Tech Tool version 2.8.150 and above will fail if Cisco Secure Endpoint software is installed on the computer. Recommend staying with the currently installed version of Tech Tool.**

- a. If the user is installing Tech Tool via ISO/Web, installation will fail.
- b. If the user is updating Tech Tool via client update, installation will get corrupted.

If installation gets corrupted its Recommend contacting Tech Tool support team.


3. Restarting Tech Tool daily is recommended to free up resources and improve the application's performance.
4. It is recommended to perform 'Finish work' at the end of a connected product's session before connecting to the next product. This will speed up the process of connecting to the next product.














### Recommended Actions:














1. Before initiating Tech Tool installation via Client Update, ensure that all the Windows updates have been completed. Otherwise, Windows Update might cause the computer to restart, which in turn might lead to reinstallation of Tech Tool.
2. Restart the computer after installing Tech Tool for both fresh installation and update via Client Update.










### Corrections and changes in the release

The corrections and changes in the release are listed below:

Description	Brands
Improved Replace hardware programming operation to support TGW 3	ALL
Guided Parameter Programming (GPP) operations updated & enabled for Battery Electric Vehicles. Not applicable to North America. Applicable models are:  FHE(4), FME(4)	VTC

Description	Brands
Transmission operations are updated & enabled for Battery Electric Vehicles. Not applicable to North America. Applicable models are:  FHE(4), FME(4)	VTC
Fault tracing support is updated to include extended diagnostic data for On Board Charger and Electric Power Supply (OCEPs) and electric Power Take-Off (ePTO). Not applicable to North America. Applicable Models are:  FHE(4), FME(4)	VTC
36981-3 'Cooling system, test' and 26288-3 'Valve, test' operation support is updated for the HD BEV vehicles. Not applicable to North America. Applicable models are:  FHE(4), FME(4)	VTC
Fault tracing support is updated for e-mobility Telematic gateway (TGW2) power supply change. Not applicable to North America. Applicable models are:  FEE, FLE  DZE, DWIDE ZE	VTC, RTC
Fault tracing support is updated for Eu6 Step E Heavy-Duty engines. Not applicable to North America. Applicable models are:  FH(4), FM(4)  T, T-High, C and K	VTC, RTC
Operations support is enabled for Eu6 Step E Heavy-Duty engines. Not applicable to North America. Applicable models are:  FH(4), FM(4)  T, T-High, C and K	VTC, RTC
2939-08-03-01 'Exhaust Gas Recirculation Function' operation has been updated to test the electronically controlled electric EGR valve. Applicable to OBD2020, 13 L Turbo Compound and later emission vehicles, based on the ECM software availability. Applicable to North America also. Applicable models are:  VN  AN	VTC, MACK
Hub-Managed Diagnostic (Basic) fault tracing is enabled for the following ECUs: Powertrain Control Module (PCM), Energy Storage Control Module (ESCM), Combined Charging system Control Module (CCCM), Hybrid Powertrain Control Module (HPCU). Applicable to North America also. Applicable models are:  VNE  LRBE	VTC, MACK

Description	Brands
32235-3 'OppCharge, charging event monitoring' New operation support is added for monitoring 'Opportunity Charging'. Applicable model is:  B0E(3)	VBC
Operation support is added. Applicable for Wheel Loader model.  L200HHL	VCE
Operation support is added. Applicable for Compact Crawl Excavator models.  JEC18E, JECR18E	VCE
91007-3 'Pump and MCV Control, monitoring' operation is added. Applicable for Electric Compact Wheel Loader models:  L20H, L25HL	VCE
94801-3 'Load Assist, Pressure Sensors Test' operation has been added. Applicable for Wheel Loader models:  L60H, L70H, L90H	VCE
94807-3 'Load Assist, Status, Check' operation has been added. Applicable for Wheel Loader models:  L60H, L70H, L90H	VCE
94808-3 'Load Assist, Calibration' operation has been added. Applicable for Wheel Loader models:  L60H, L70H, L90H	VCE
42101-3 'Transmission, Calibration' operation is updated to support the new HTL500 transmission. Applicable for Wheel Loader model:  L350H	VCE
40901-3 'Sensor, Transmission, Test' operation is updated to support the new HTL500 transmission. Applicable for Wheel Loader model:  L350H	VCE
42102-3 'Travel Direction, Check' operation is updated to support the new HTL500 transmission. Applicable for Wheel Loader model:  L350H	VCE
Operation support is updated to include China stage IV engines. Applicable for Crawl Excavator model:  EC200EAG	VCE
Diagnostic support is added. Applicable for Wheel Loader model.  L200HHL	VCE
Diagnostic support is added. Applicable for Compact Crawl Excavator models.  JEC18E, JECR18E	VCE

Description	Brands
Diagnostic content has been updated with smart diagram. Applicable for Crawl Excavator models:  EC550E, EC950F	VCE
Diagnostic support is updated to include China stage IV engines. Applicable for Crawl Excavator models:  EC200EAG, EC250E, EC300E, EC550E, EC750E, EC950F	VCE
Diagnostic support is updated to include China stage IV engines. Applicable for Wheel Excavator models:  EW140E, EW205E	VCE
Fault tracing support is updated for Energy Storage Control Module (ESCM). Applicable to North America also. Applicable model is:  LRE	MACK
Fault tracing support is added for electronically controlled Brake System (EBS), new DTCs. Applicable models are:  UD-HD2, UD-HD3, CF-CZ (Quon)	UD
17073-3 'Service Alert System, Configuration and Reports' operation support is added for VDS-5 engine oil with JPN2025 Emission. Applicable models are:  UD-HD2, UD-HD3 (Quon)	UD
72881-3 'Level Sensor' Calibration operation has been improved. Applicable model is:  UD-MDE (Croner)	UD
25846-3 'SCR system' operation support is added to heal DTCs P2BAE and P2BAD for Engine 11L with Euro5 Emission. Applicable model is:  UD-HDE (Quester)	UD
25065-3 'Exhaust after-treatment system analysis' operation support is updated for Engine 11L with JPN2025 emission. Applicable models are:  UD-HD2, UD-HD3 (Quon)	UD

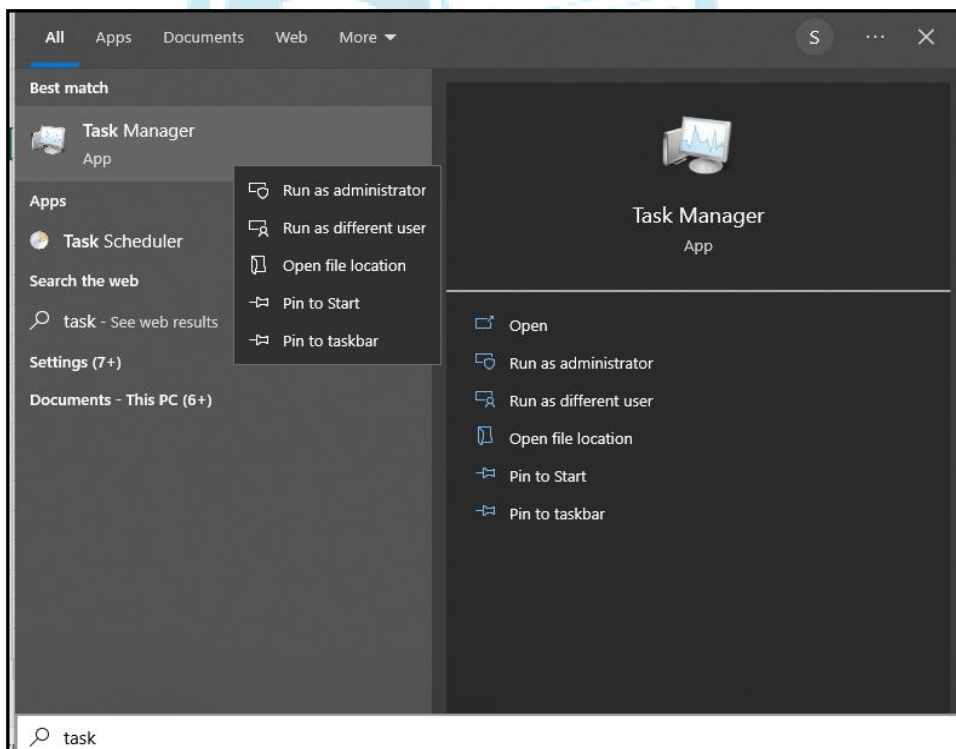
## Known issues and workaround

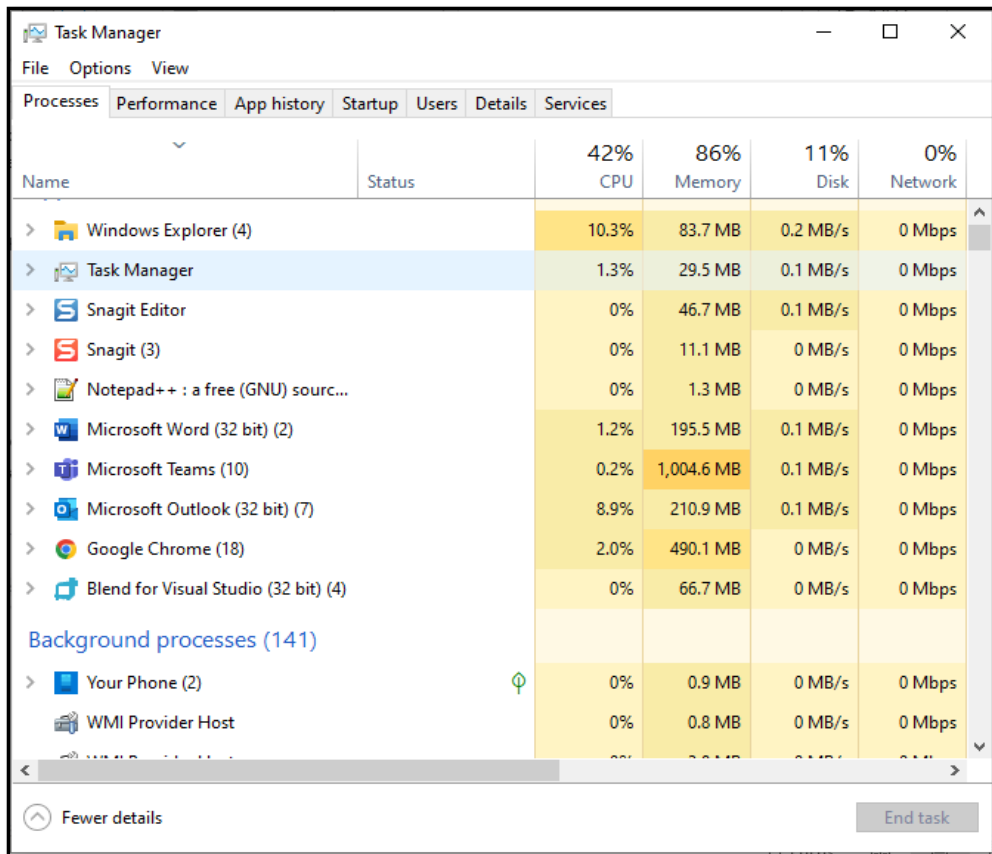
**Issue-1:** Tech Tool Services [Baf service] are not getting started.

**Cause:** When the computer is closed and enters Sleep or Hibernate mode, Tech Tool might get into the “Services not started” error.

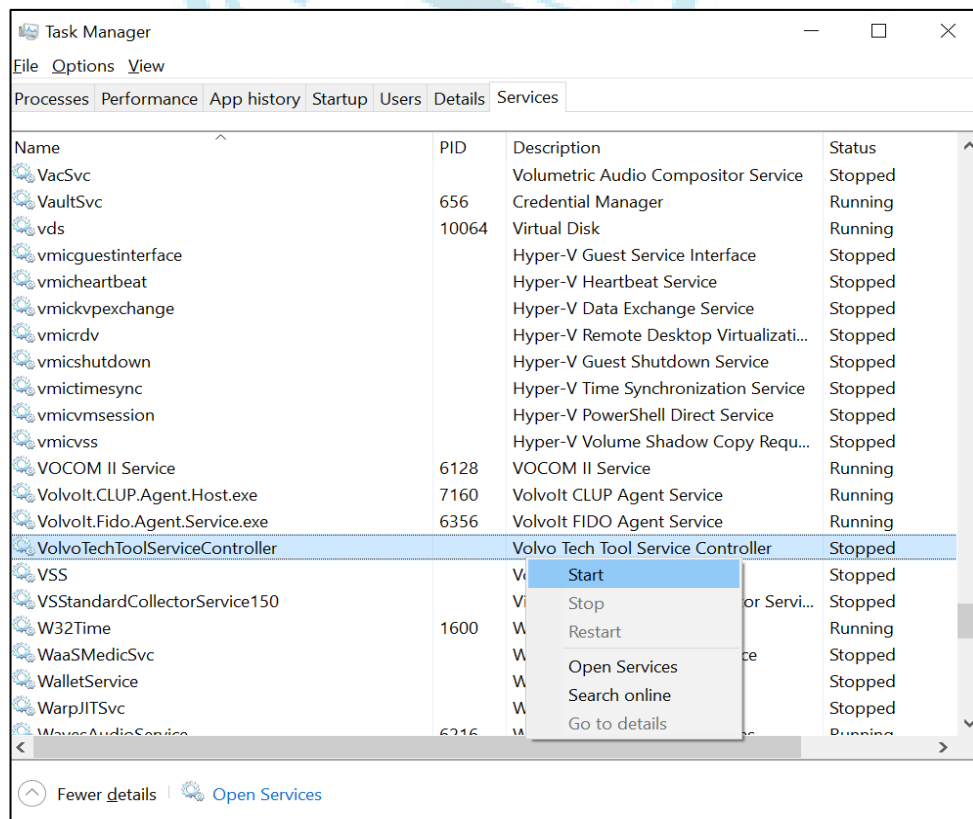
### **Solution:**

1. We recommend changing Windows settings so that the computer does not go into Sleep or Hibernate mode. (Drawback: power consumption). Follow the instructions stated in ‘Power Settings Modification.doc’.
2. If the issue occurs, restart the computer, and launch Tech Tool.
3. If not recovered, follow the below steps after restarting the computer.
  - a. Open the Task Manager.
  - b. Right-click the Start button on the taskbar
  - c. Right-click on the Task Manager and select “Run as administrator”. (Contact local IT team if you don’t have administrator privilege).





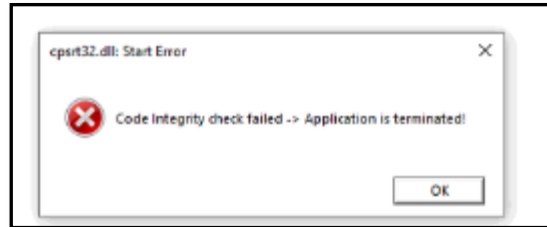
- d. Click on the Services tab and search for the “VolvoTechToolServiceController” service. Right-click on the service and select Start





**Issue-2:** Code integrity check failed pop-up might be observed during the installation. Recommend staying with the currently installed version of Tech Tool.

**Cause:** If the user has Cisco Secure Endpoint software installed on the computer, Tech Tool installation will fail.



**Suggestion:**

- a. If the user installs Tech Tool via ISO/Web, Tech Tool installation will fail.
- b. If the user updates Tech Tool via Client Update, the installation will get corrupted. If installation gets corrupted its Recommend contacting Tech Tool support team.

We recommend to disable Client Update Service to avoid automatic TechTool update.

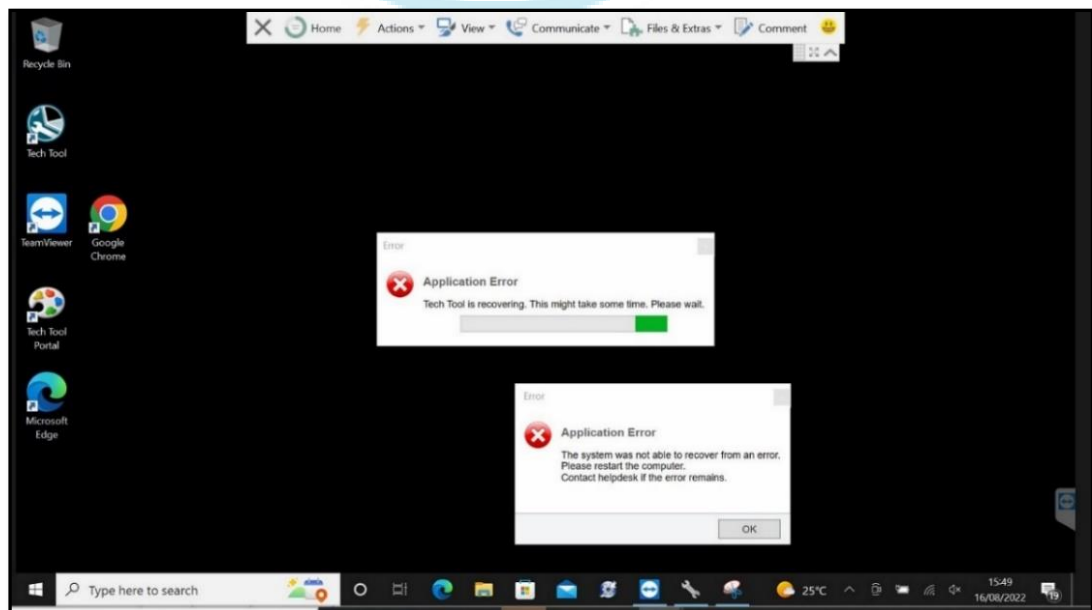
Information about how to disable Client Update Service is provided.

[Video link here:](#)



**Issue-3:** Application error pop-up in Tech Tool is observed.

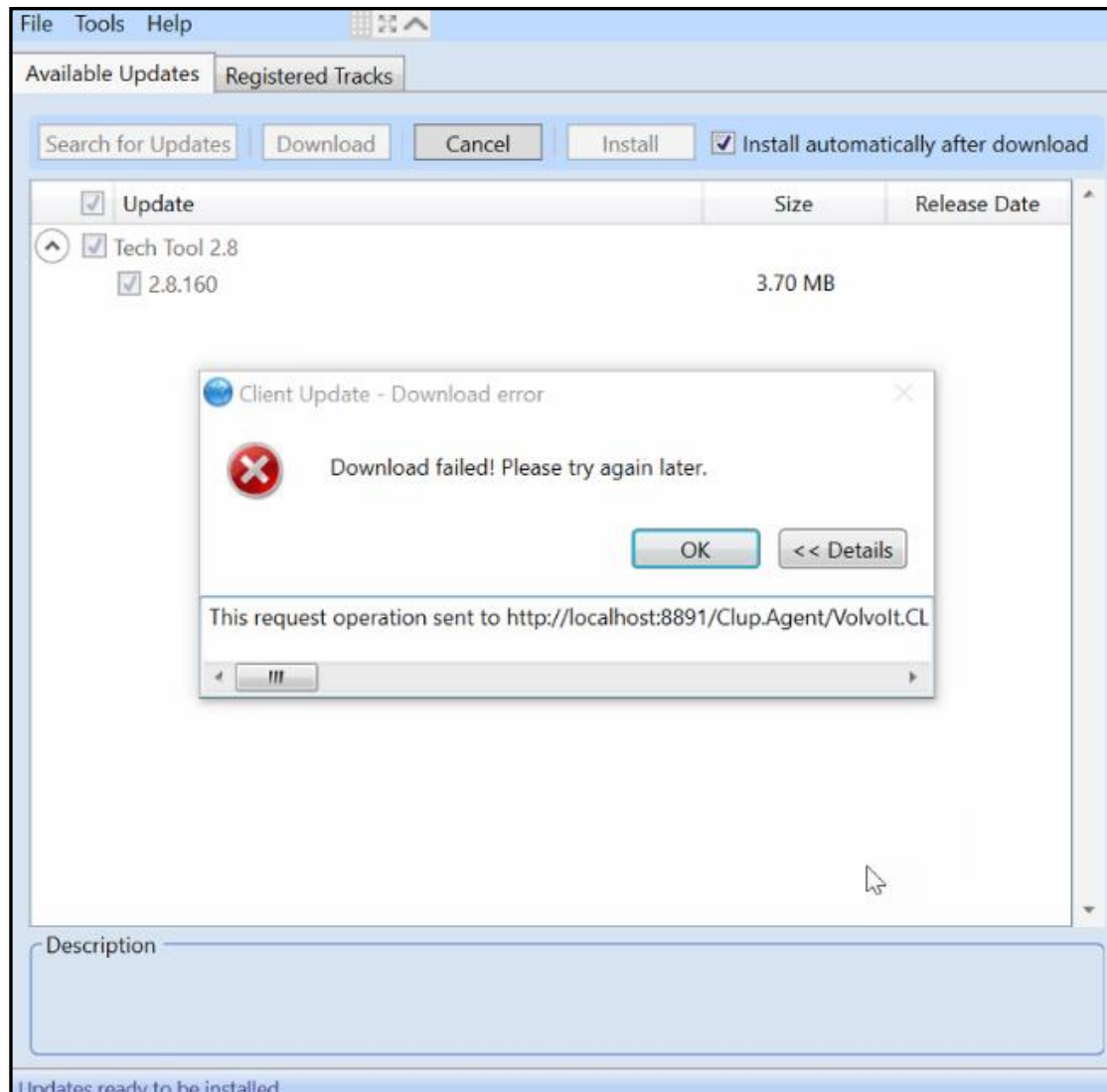
**Cause:** Under Investigation.




**Solution:** Restart Tech Tool.

**Issue-4:** Download failed error is observed while Tech Tool installation via Client Update.

**Cause:** Under Investigation.

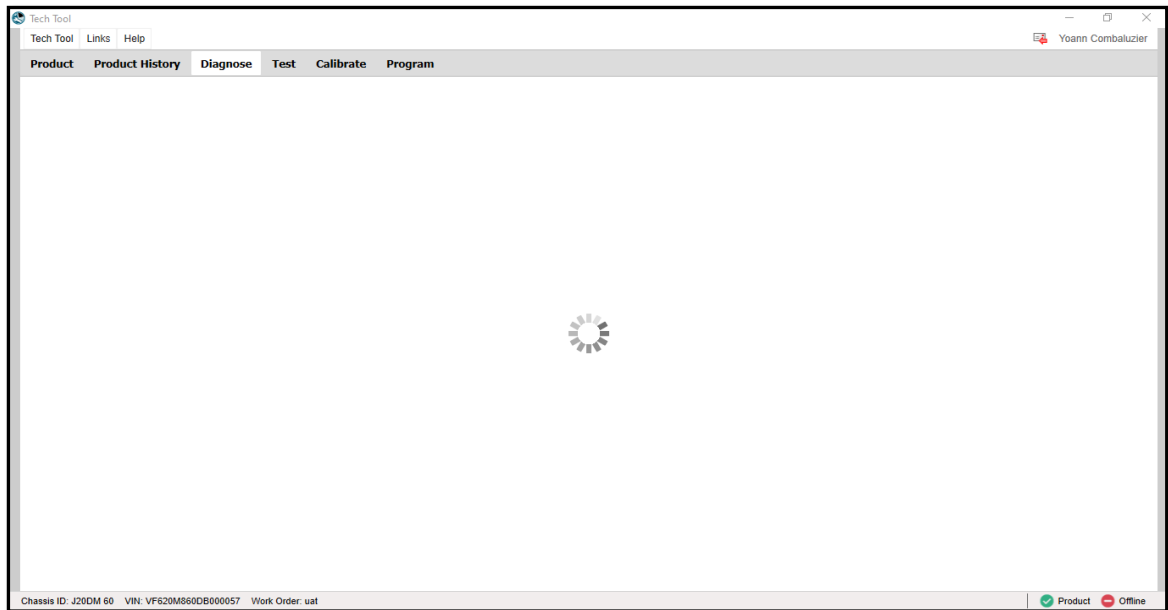


**Solution:**


1. Restart the computer.
2. Ensure that there is a stable network as shown in the icon 
3. Search for Updates in Client Update Under Available updates and download again

**Issue-5:** While switching between the tabs, Tech Tool might freeze.

**Cause :** Under Investigation.



**Solution :** Kindly follow the below steps :

- a. Ensure that there is a stable network as shown in the icon 
- b. Restart Tech Tool.
- c. If not able to recover, restart the computer.

**Note:** For any issues & Support, kindly use your normal channels.