

System Requirements

- Windows® 10 and above Operating System (64 bit Only).
- Core i3 to i7 (or equivalent), 8 GB Memory, 2 or more NIC cards, and USB Ports.

Software Based Licensing (for evaluation only)

- In case of software-based licensing, the software executables, license installer, and documents can be downloaded from the software licensing web portal (refer to email notification from GL Communications).
- Follow the instructions in the <https://www.gl.com/ses/download/GL-Software-License-Evaluation-Instructions.pdf> to install software license.
- To verify that the purchased licenses are installed correctly, open any web browser from the system on which the software license is installed and type the URL "<http://localhost:1947/int/products.html>". Click on **Features** and confirm that the following **Product licenses** are listed:
 - **PKS166** - MAPS UMTS GnGp
 - **ETH101** - MobileTrafficCore-GTP

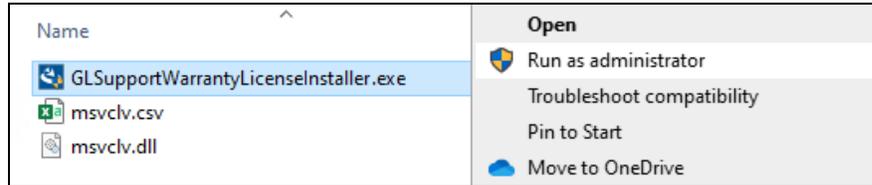
USB Hardware Dongle Based Licensing

- If the software is licensed through hardware USB dongle, the shipment will contain a **USB Installation Stick** (pen drive) with necessary software executables, license installer, and documents along with USB dongle.
- Plug-in the dongle to the USB port of the computer.
- Plug-in the USB Installation Stick (pen drive) to the PC
- Navigate to **|GL-Dongle-LicenseInstaller** folder in installation USB stick and execute **GLLdkDongleLicenseInstaller_x64.exe**. Follow the on-screen instructions to complete the installation.
- A **Red** light should appear on the dongle indicating that it is functioning correctly.
- User can verify if the required licenses are installed. Navigate to **C:\Program Files\GL Communications Inc\GLDONGLE** directory, execute **appl_list.exe** and confirm that the following licenses are listed:
 - **PKS166** - MAPS UMTS GnGp
 - **ETH101** - MobileTrafficCore-GTP
- For any issues during the installation, follow hardware dongle licensing procedure mentioned in the <https://www.gl.com/Brochures/Brochures/Installation-Instructions-for-Dongle-Programs.pdf>.

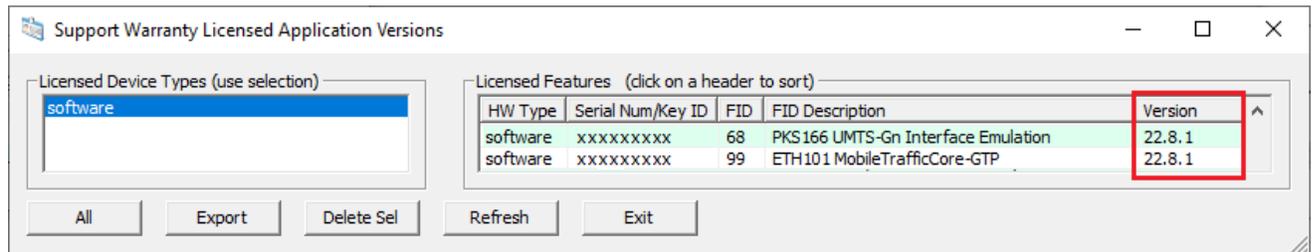
Warranty License Installer

Follow the below steps to install the Warranty license.

- Navigate to root directory in **USB installation stick** (pen drive) to **Warranty_LicenseInstaller** folder, execute **GLSupportWarrantyLicenseInstaller.exe**. Follow the onscreen instructions and complete the installation.



- To confirm that warranty is installed properly, double-click on **Warranty Application List** icon . This will display the list of purchased warranty applications.



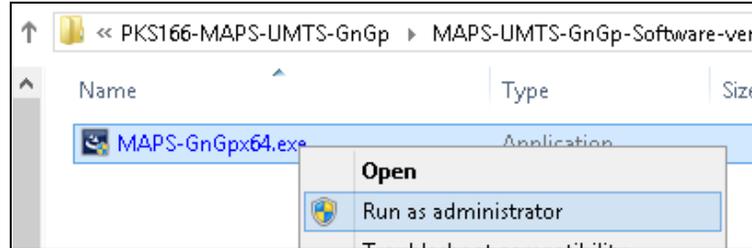
- In the **Version** column verify the warranty expiry date. For example, **22.8.1** (i.e., 2022 August 1st).

Note:

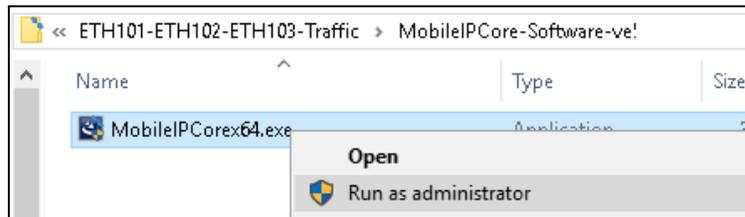
- Any latest software updates after warranty period will not be available until warranty licenses are renewed.

Software Installation

- Navigate to \PKS166-MAPS-UMTS-GnGp\MAPS-UMTS-GnGp-Software-verXX folder, right click **MAPS-GnGpx64.exe** and select **Run as Administrator**. Follow the onscreen instructions and complete the installation.



- For traffic emulation on UMTS GnGp interfaces, execute **MobileIPCorex64.exe** from \ETH101-Traffic\MobileIPCore-Software-verXX folder in the USB installation stick. Follow the onscreen instructions and complete the server application installation.

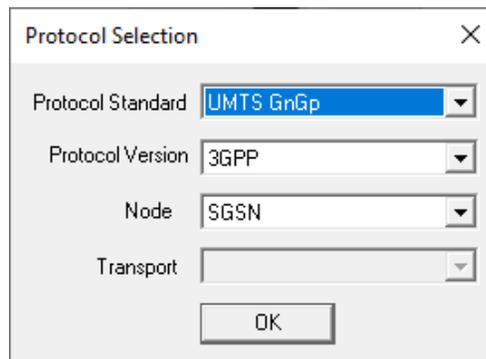


Invoking Application

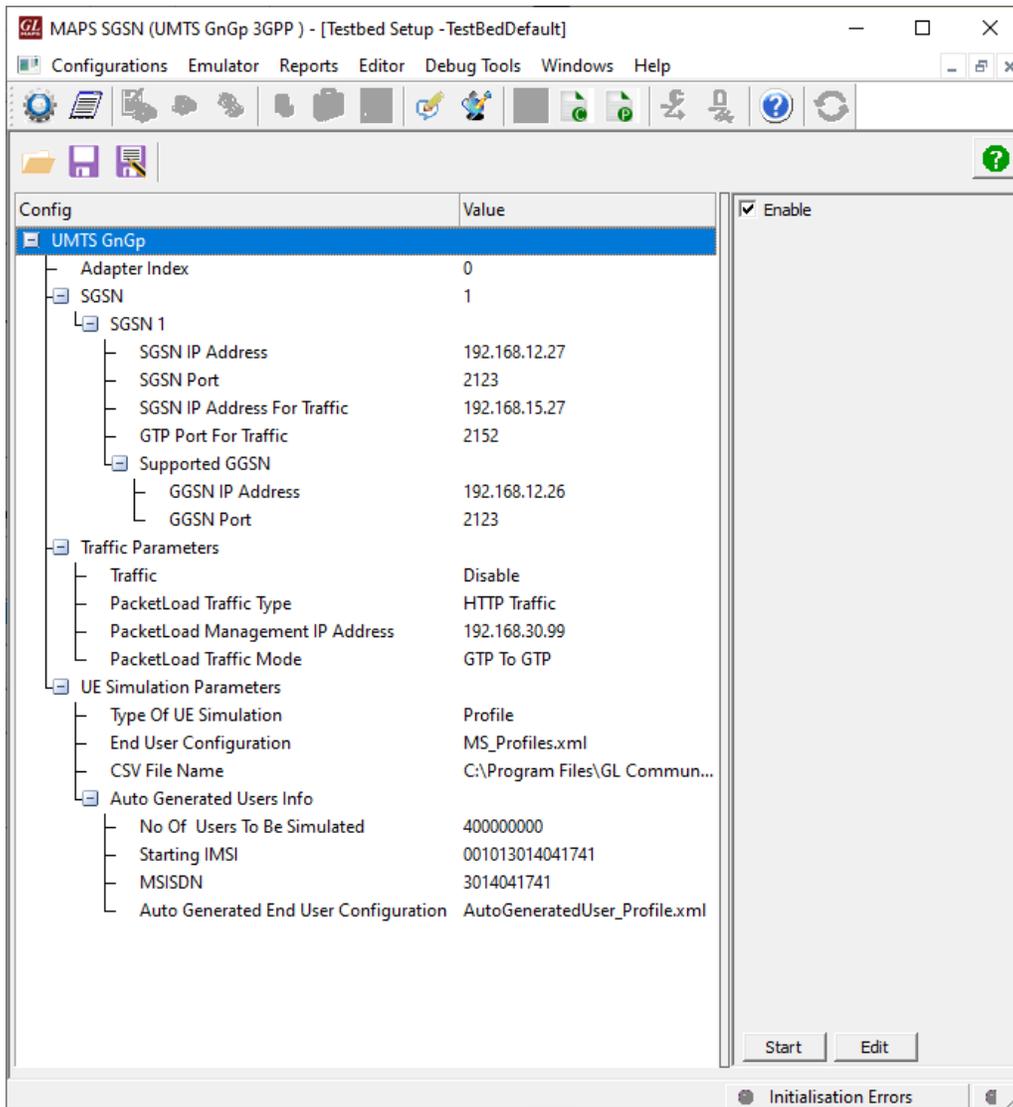
- It is recommended to reboot the system after the software installation.



- Right-click on **MAPS GnGp** short-cut icon created on the desktop and select '**Run as Administrator**'. The application should invoke without any errors.
- Select the appropriate parameters on the **Protocol Selection** window and click **OK**



- Default Testbed setup window is displayed as shown below.



- To quickly get started with the MAPS™ GnGp application, refer to [MAPS-GnGp-Quick-Verification-Guide](#)
- To quickly get started with the MAPS™ GnGp with Mobile Traffic Core-GTP application, refer to [MAPS-GnGp-and-Mobile-Traffic-ETH101-Quick-Verification-Guide](#).
- To quickly get started with the MAPS™ GnGp with PacketLoad application, refer to [MAPS-GnGp-with-PacketLoad-Quick-Verification-Guide](#).