


*It is assumed that the PacketScan™ Analyzer Software and License installations are already performed referring to the Software Quick Installation Guide (Packetscan-SIP-RTP-Quick-Install-Guide.pdf).*


*Note: Proceed to the verification steps below after successfully installing the software and verifying the required licenses (PKV100) as explained in the Software Quick Installation Guide (Packetscan-SIP-RTP-Quick-Install-Guide.pdf).*

## Verification

Follow the steps below for functional verification of PacketScan™ **Real-time** analysis feature.

- From the **PacketScan™** main menu, select **Configure → Protocol and GUI Options** →  **INI Decode Options** and click on **Edit INI**, this will invoke **PacketScanProt.ini** file in the Notepad
- In the ini file search for **#DIAMETER\_INTERFACE** and verify the Application ID values are configured as per testing requirements

### Note:

- By default, the Application IDs are configured in the ini file. User can change the Application IDs as required.
- In this example user doesn't need to change Application ID values.
- PacketScan™ Diameter protocol does not support Call Detail Records and Packet Data Analysis.
- Save and close the **PacketScanProt.ini** file
- Close the **PacketScan™** application and invoke again to apply the changes done for PacketScanProt.ini.
- Select **Capture → Stream/Interface Selection** and enable the Ethernet card on which packet needs to be captured
- Select **Capture → Capture File Options** and enable **Circular Capture Buffer**
- Select **Capture → Capture Filter** option, click **SCTP** in the Filter Selection and check **Filter all SCTP data**. Do not activate any other filters in the **Capture Filter**.
- From the **PacketScan™** main menu, select **File → Start Real-time** or click **Start Real-time**  icon from the toolbar
- To playback an HDL file containing packets, use **PacketscanUtilities** application. From the GL installation directory double-click **PacketscanUtilities** application.
- Select **Utilities → HDL Playback** from the menu.
- In the **Device** option select required NIC card
- In the **Select HDL File** option click on browse button to browse and select **C:\Program Files\GL Communications Inc\PacketScan\Examples\Diameter\Diameter S6A.hdl** file from the GL installation directory
- Enable **Maintain Timing** option and click **Start**
- Observe the **Diameter** decodes displayed in PacketScan™ analyzer summary and detail views.

### Note:

- If you are unable to view the real-time decodes, verify if the Windows® Firewall is enabled. You should **Turn off Windows Firewall** on Windows® and on any 3<sup>rd</sup> party Anti-Virus software that may be installed on the PC to make sure that Firewall is not blocking any packets or frames.