**Issue Log**

**Prepared by: Larissa** **Date: 20/05/2025**

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| **Issue #** | **Issue Description** | **Impact on Project** | **Date Reported** | **Reported By** | **Assigned To** | **Priority M/H/L** | **Due Date** | **Status** | **Comments** |
| 01 | Delayed meeting with client and mentor | Delayed start on entirety of project as we need more information and details from our client. | 17/03/25 | Zafar | Group | H | NA | Closed | First meeting with client has been pushed to 20/03/25 |
| 02 | D-ITG isn’t available in Fedora repos; it won’t be compiled from source | If the source code can’t be fixed, another tool will have to be chosen for testing, despite the client’s request. | 25/03/25 | Thomas | Thomas | H | 27/03/25 | Closed | Client isn’t aware of this issue yet – it needs to be raised at 27/03 meeting |
| 03 | Cancelled team meeting due to mulitple members facing unforseen transport issues. | Some initial awkwardness occurred during our client/metor meeting due to lack of introduction beforehand, but understandable as it was our first time meeting. | 27/03/25 | Larissa | Thomas | H | 29/03/25 | Closed | Quick overview over Discord and in-depth debrief after to ensure everyone is on the same page |
| 04 | Management methodology didn't align with our project | The team experienced confusion as roles and documentation process needed to be reviewed to indicate which protocol we will be following. | 27/03/25 | Zafar | Group | H | 29/03/25 | Closed | A hybrid model approach has been selected to better suit the project |
| 05 | Router PC’s randomly crashing | Disrupted testing and simulations due to system instability | 1/05/25 | Thomas | Thomas | H | 08/05/25 | Closed | Caused by open-source GPU driver. Fixed by switching to proprietary NVIDIA driver |
| 06 | Missing member from team meeting due to transport/logistic issues. | Team member missed critical discussions and task allocations as after the meeting we worked in our respective IPv4 and IPv6 teams. | 01/05/25 | Larissa | Thomas | M | 01/05/25 | Closed | Quick catchup was held later that afternoon via Discord group messages. Due to the member missing a lot of the IPv4 set up, the team discussed and agreed it would be best for them to join the IPv6 team moving forward. A change request has been made. |
| 07 | Time synchronisation mismatch across sender, routers, and recevier PCs. | Testing cannot be started as results will be inaccurate due to the mismatched timestamps. | 08/05/25 | Nathan | Thomas | H | 12/05/25 | Closed | Thomas assigned Win to find a fix. Chrony NTP server was installed on all devices to ensure clock sync. |
| 08 | Missing member from team meeting due to sickness. | Team member missed critical discussions and task allocations which temporaility disrupted coordination and required additional effort to reinform after the meeting. | 08/05/25 | Larissa | Thomas | M | 08/05/25 | Closed | Followed up via Discord messages later that day to ensure alignment. The member has been informed of their assigned tasks. |
| 09 | 2 Missing members from client meeting. This was a crucial meeting as our first set of IPv4 evaluation results were to be reviewed. | Reduced representation and input from our team during this meeting. Needed a repeated, detailed clarification post-meeting. | 22/05/25 | Larissa | Win | H | 23/05/25 | Closed | Followed up via Discord messages, made a detailed to-do list based on feedback from the meeting and sent to the missing members. |
| 11 | Inefficient evaluation and log processing workflow. | The original process for handling data was verly manual and very time consuming. Each metric log had to individually be converted to .dat then to .csv files, and then finally excel. | 22/05/25 | Win | Win, Nathan | H | 03/06/25 | Open | Decoding raw logs directly into .txt format then using a Python script to extract and export data. This significantly improved workflow but leaving this open until we find an even better option. |
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