Engineering Notes No. 5.1

## INFORMATION

**NAME:** William Reimer

**DATE:** 11/12/24 – 11/18/24

**Sprint:** 5

## JIRA BACKLOG

**Responsible for:**

* N/A

**Contributed to:**

ERPOLYV-46: Complete SDD Document following same breakdown as SRS

ERPOLYV-48: Troubleshoot PolyVerif's new install

## RESOURCES & DOCUMENTS CONTRIBUTED TO

***Table 1 - Contributions***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Resource/Document** | **Location** | **Contribution Description** |
| 11/18/24 | SDD Document | Microsoft Word | I contributed to Section 2 of the SDD. Will continue to work on Section 2 and 3 in the second half of the sprint |
| 11/14/24 | Miscellaneous PolyVerif troubleshooting | Micaplex | Assisted with the troubleshooting of PolyVerif |

## COMPONENTS TESTED

***Table 2 - Testing***

|  |  |  |  |
| --- | --- | --- | --- |
| **Date Tested** | **Component** | **Result** | **Comments** |
| 11/18 | PolyVerif troubleshooting: Changing the version of Linux Ubuntu to fix PolyVerif | Inconclusive | Unable to finish in allotted metting time, will continue in second half of the sprint |
|  |  |  |  |

## PROBLEMS SOLVED

***Table 3 - Solutions***

|  |  |  |
| --- | --- | --- |
| **Date** | **Problem** | **Solution & Notes** |
| N/A | PoltVerif Troubleshooting | Will finish testing in second half of sprint |
|  |  |  |

## PROBLEMS TO ADDRESS NEXT

***Table 4 – Future Problems***

|  |  |
| --- | --- |
| **Problem** | **Description** |
| PolyVerif Troubleshooting | As mentioned, the majority of work on the product itself is aimed toward fixing PolyVerif. Our actions are dependent on if our proposed fixes work. |
| SDD | Some of the SDD is complete. The rest will be finished by the end of the sprint. |

## MEETING NARRATIVE NOTES:

***Table 5 – Meeting 1***

|  |  |  |
| --- | --- | --- |
| **11/12/14** | **Meeting Type:** StandUp/Class/ETC | |
| Met with Product Owner(s): Y/N | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| N/A | |  |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
| N/A | | |
| **Additional Notes:** | | |
| Watched the remaining presentations | | |

***Table 6 – Meeting 2***

|  |  |  |
| --- | --- | --- |
| **11/14/24** | **Meeting Type:** StandUp/Class/ETC | |
| Met with Product Owner(s): Y/N | | |
| **Problems Brought Up:** | | |
| **Problem** | | **Proposed Solution** |
| New Errors: Instead of Docer being the issue, operating system could be the issue, may need different version of Ubuntu to get PolyVerif working | | Will install a different version of Ubuntu and reinstall everything. If it doesn’t work, we will update our colleagues with our attempt, and wait for a response. |
|  | |  |
|  | |  |
| **Other Items Updated on:** | | |
|  | | |
| **Additional Notes:** | | |
| Met in Micaplex for this meeting | | |

## NOTES:

Followed the instructions sent by Bidur, installed Docker successfully but ran into an OS issue. It seems that updating GLIBC\_2.34 and then Qt\_5.15, only available on 21.xx and 22.xx Ubuntu. Installing on current OS (20.04) could brick our current system.

Looking to contact resident linux expert (Jackson Baker) to assist with either reinstall of current Ubuntu or upgrade.

Hannah emailed Bidur and shared NVIDIA driver info, docker info, and current error messages.

New errors, not docker, main issue is the operating system

Started Sprint 5 late, was supposed to start on 11/12/2024 but we were in IC 101 watching presentations. Started Sprint 5 today.

Missing glibc and qt which are needed to run Polyverif, however we need to install a different version of Ubuntu to get it working.