Jacob Copeland (#16430978), Siqi Zhao (#17140639), Giovanni Saberon (#00100188), Jaime Curnow (#03336247)

Team Leader Report Week 8

*At this stage we're all working steadily, so I plan to make these briefer. Link to issue tracking can still be found in Appendix.

Activity Log:

17/09/2019:

- Contacted ITL to make a time for testing - set for 25/9.
- Ricky finishing Client modules. Jamie working on testing schedule for week 8 report and ITL office testing. Jacob working on other Week 8 report content and doing some background Server install code to ensure everything gets done. GIovanni working exclusively on server modules.

18-19/09/2019:

- Jacob away for job interviews
- Giovanni completed scripting a large server module
- Jamie updating project plan and continuing to work on test schedule.
- Ricky in charge of creating SPRINT 3 version.

20/09/2019:

- Jacob completed the server part of the Install Server Files module (a few hundred lines, many individual files to specify to compiler).
- Ricky is working on the other half of this module that also runs on Client install, mostly logic and less files.

21/09/2019:

- Ricky created a SPRINT_3 version and Jamie finalized and submitted the Week 8 report.

Individual Reports

Jacob - covered above

Jamie

Updated project plan. Continued work on a test schedule for a Client install. Writing a test schedule is proving a difficult task given that the purpose of the installer is to install software to interact with the client's Enabler product. However, we know very little of the client's product or how it really interacts with the software our installer installs.

Ricky (Siqi)

Finished the Setup Access Permission, during writing script, I come across a problem, there is a variable whose name is 'CLIENTEMBEDDED', and there is no definition through all old wise script. With the help of Jamie and Jacob's previous work, I solve that problem, instead that with the variable 'embedded'. In addition, I integrated the Sprint_3 on the github. **Released our sprint3.**

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Giovanni

Sprint 3 Report

Achievements

The server modules were begun by Giovanni. As previously discussed, all team members are working steadily at this stage - about 12 out of 35 issues remain open.

Issues integrated since Sprint 2:

- Ricky completed Set Up Access Permissions
- Jamie completed Install .NET 3.5, Check FIle System and Install .NET 4
- Jacob completed C++ Redists and Save System Config but these are currently bugged

Other issues that are currently scripted but unintegrated include:

- Everything Giovanni has worked on
- Install Server Files (Ricky has done parts of this which are not actually server-only, Jacob has done server-only parts)

Problems

(repeated from week 8 report)

One issue we have encountered with our project plan is the milestone of an operational 'Client' install. Deep into development it became clear that 80% of the installer's functionality runs regardless of client/server selection, and the remaining 20% is server-only. There are perhaps a hundred lines of logic exclusive to the Client Install at most.

We believe the nature of this project makes it very difficult to establish milestones. Our other option would have been to simply port the Wise script from start to finish, but this would have introduced its own problems; for example, the 'are we returning to the installer after a reboot?' registry key is set to true hundreds of lines before the point where it is set to false if there is no need for a restart. As an extreme example, being too strict with a sequential approach would have had the installer starting in reduced-functionality 'reboot' mode during testing for weeks until the relevant section of the Wise script was reached.

Changes

Giovanni has been assigned to 5 server modules, to be worked on while the rest of us get the Both/Client modules fully integrated and tested. After being assigned these, Giovanni indicated he would like to be assigned tasks again in future rather than use our established task distribution method of autonomously assigning ourselves work based on our current workload.

Prototype

(repeated from sprint 2)

To repeat; due to the nature of an installer, the new/added processes the installer performs are not transparent, but running the Enabler4Setup.exe in the SPRINT_3\Output folder and then navigating to Program Files(x86)\Enabler4 should demonstrate that files are now being installed throughout

different directory trees. The tester will note the cmd dialog boxes that briefly pop up before and after the install, indicating background processes.

If the tester has Innosetup installed and compiles the Enabler4Setup.iss file and immediately runs the install, the grey/green boxes on the left-hand side of the IDE indicate which statements are being hit and which evaluate to false or are otherwise ignored.

Appendix

GitHub issue tracking and Kanban board (only Shawn and team members can view): https://github.com/16430978/installer-capstone/projects/1

Project plan spreadsheets:

- Dependencies: https://docs.google.com/spreadsheets/d/1SdETWs8JnK-qYgpxqGSBiMN7VYvaaBcpQ_94nxT9jxw/edit?usp=sharing

- Tasks/issues: https://docs.google.com/spreadsheets/d/19XezZA3l-hzyD3eZUbFKjSlOmy8_6nIBnk8FFIgPWNo/edit?usp=sharing