

Team Leader Report Week 11

Activities

- Tested at client's office for four hours. The major bug currently crashing server upgrade installs was encountered and not solved, but clean Client/Server installs worked fine.
- Server install did not work on Windows 7.
- Several edge cases tested and fixed (missing SQLEXPRESS.exe files in src directory, turning on .NET 3.5 on a system greater than Windows 7 which has it pre-installed but turned off).
- Week 11 sprint version will be created this weekend and will be very close to final version - only minor fixes, code cleanup to be done, and progress messages to be added throughout the install by Ricky.

Individual Reports

Jacob - tested at client's office. Several bugfixing commits, started work on final documentation, tidying up script file.

Jamie - altered planning gantt chart to reflect further progress, working on a video for the final presentation about off-site testing.

Ricky (Siqi) - tested at client's office. Preparing for the final presentation.

Giovanni

Sprint 4 Report

Achievements

All server functionalities integrated - these include:

- The version of MSI is checked and if it is not ≥ 4.5 , this is installed
- If the version of SQL Express to be installed is 2014, check if .NET 4 is installed. If not, install it.
- If running on Windows Vista, check that Service Pack 2 is installed, otherwise abort
- If an existing SQL instance was found, get a list of instance names
- Install Server Components - if an existing SQL instance was found by the installer and selected by the user, then attempt to establish a connection with the existing instance, detect the version of the instance, and detect if there is an existing install of the Enabler. If there is no existing instance and the install is about to install SQL Express 2005 version specifically, ensure that the MDAC version is ≥ 2.8 and the IE version is ≥ 6
- Install SQL Server - Install the latest found version of SQLEXPRESS.exe, then set the OSQL_PATH variable as the path to OSQL.exe. Check that the server can be started/is running. Then install the Windows Drivers for the Enabler hardware.
- Install Server Files - the files now appear in the [Files] section, but this section also performs several other processes, including changing firewall settings and deleting any utilities that may have been installed to be used by the installer but are not needed by the end-user.
- Set Up Access Permissions - if server install selected, additionally check that psrsvr4 and enbweb services are running.

- Decide reboot - additionally in server install, change power settings to turn off standby and hibernate.

Problems

The Sprint 4 version does not correctly obtain a list of instance names if an SQL instance already exists on the PC. If this bug is not solved by the deadline, it will be explained further in our Limitations document.

Changes

Some quiet additions to the user interface, command line parameters now operate correctly.

Prototype

This prototype may not be 'stable' in the traditional sense. However, it works for a clean Server install and only crashes for a server upgrade install - we cannot remove the crash, as some of the related processes are integral to the clean install.

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-hzyD3eZUbFKjSIomy8_6nIBnk8FFIgPWNo/edit?usp=sharing