Auto Software

Problem

Setting up computer systems from a fresh installation is not a fast process. Searching for each software tool on the internet, downloading the installer and clicking through each tools installation wizard will take an exponential amount of time. Upgrading and uninstalling software tools have similar processes.
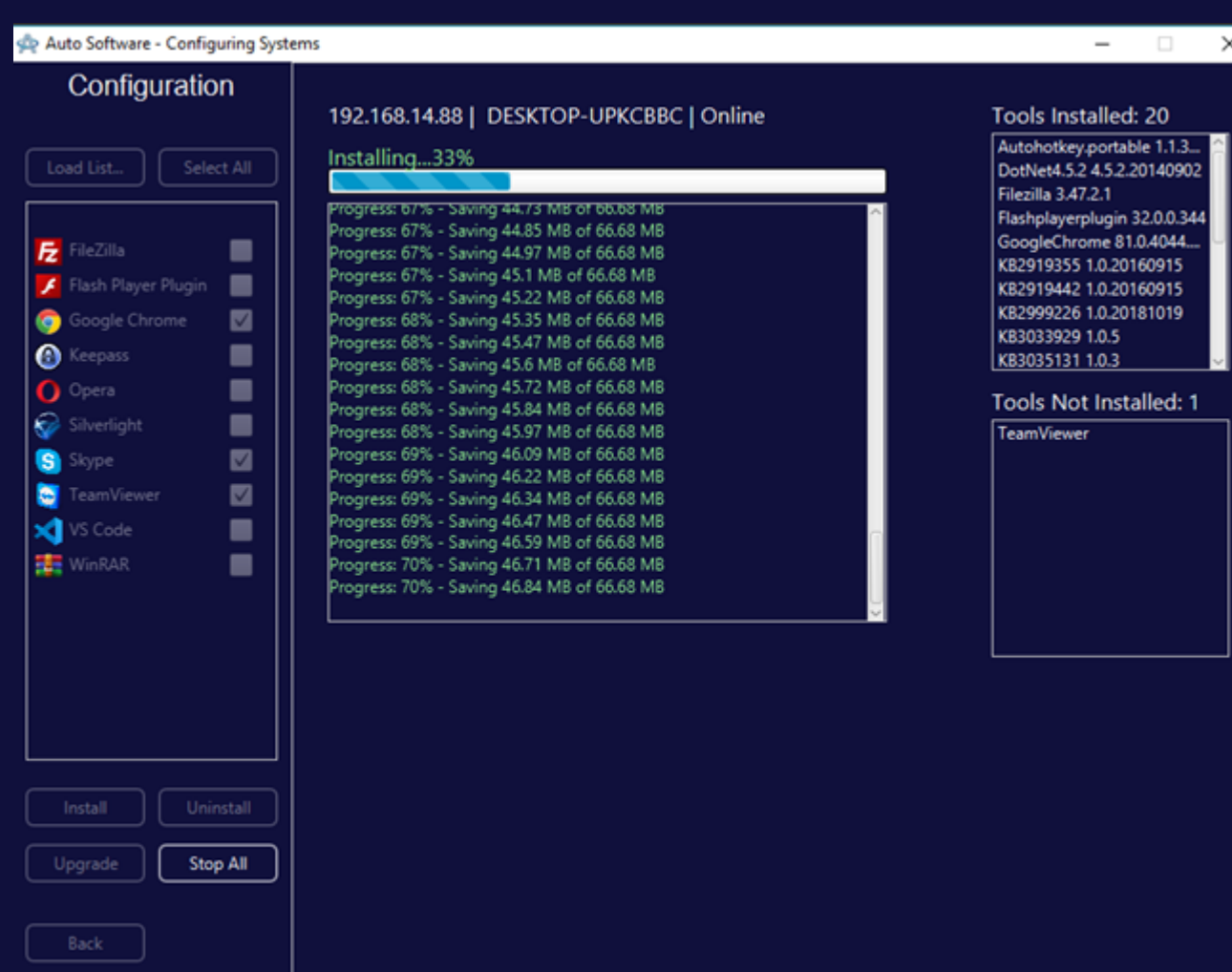
Preparing Systems

The ability to load System IP addresses into the application through a file or by inserting each IP address manually on the user interface. The application checks to see if each system is ready to be configured by executing commands in each system and recording responses. Providing each system undertakes the setup requirements shown in the "About" scene of the application, they will be configurable instantly.

Computer Credentials

Credentials for the system are used for each system loaded into the application. if there is no account credentials loaded into the application upon loading Auto Software, the user is asked to enter credentials.

System IP	Hostname	System OS	Status	Select
192.168.14.20	DESKTOP-UPKCBBC	Microsoft Windows 10 Education	Online	
192.168.14.37	DESKTOP-UPKCBBC	Microsoft Windows 10 Education	Offline	
192.168.14.88	DESKTOP-UPKCBBC	Microsoft Windows 10 Education	Online	

Configuring Systems

Installations, uninstallations and upgrade operations are executed on configurable systems for the selected software tools. Tools can be loaded into the application through files which should contain the name of each piece of software.

Summary

A Java application written using JavaFX (for the user interface) providing a central solution for users to install, uninstall and upgrade a variety of software packages. The packages are accessible through public or private Chocolatey software repositories. By default, the public Chocolatey software repository is used, where custom repositories can be added manually by the user. Future work on Auto Software could allow the user to add and remove public and private repositories to one or more systems through the user interface.

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