



SDSU
presents
a thesis defense for
Master of Science
degree in
Computer Science

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Sanket Shah

Generic Log Analysis Tool

Abstract

This thesis discusses the design, development, and testing of a generic log file analysis application, which can be used by engineers hosting a server, developing a new chip or debugging any system that produces large amount of logs. The analysis tool is required to have multiple capabilities, different for each specific application. Fast processing speed, low memory footprint, agility, easy customizability are some of the required features. The capabilities of the application are demonstrated by analyzing Oracle database log files. The application is implemented in Java and deployed as a Java Desktop Application.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
Roger Whitney, Department of Computer Science
Mark Dunster, Department of Mathematics & Statistics