Abstract

The present generation of youth begins the day with the Facebook or other social website. Hundreds of millions of people all over the world make use of social websites, Internet portals, blogs, Wikis, etc. These sites such as MySpace, Facebook and YouTube have the essential features and equipped with the necessary computing facilities to keep gigantic online communities get going with secure manner. Due to rapid growth of networking, use of social networking sites in day to day life, data sharing, computer security has made a vital part of computer research & development. For maintaining the security in various applications like E-commerce Online goods and services, Banking, Marketplace services Advertising, Auctions, Comparison shopping, Mobile commerce Payment, Ticketing, An electronic payment system (EPS), Online insurance policy management, we have to use high secured operating systems. In this regard a number of extremely secure operating systems i.e. Trusted Operating Systems like SELinux, Argus, Trusted Solaris, Virtual Vault have been developed by companies such as Argus-Systems Group, Hewlett-Packard, and Sun Microsystems to handle the increasing need of security. Normally, due to high security reason these operating systems are being used in defense. But still these secure operating systems have limited scope in commercial sector and
are not popular in corporate due to lower performance; actually this security will come at a cost.

In this paper we will propose SPF Model to maintain the balance between security and performance for these operating systems. This SPF model of TOS can be implement for various applications. For implementation of these SPF based trusted operating system we propose object oriented based Code generation i.e. forward engineering i.e. process of generating source code from one or more OO Rational Rose model for web application like social networking. In this research paper we will discuss the issues and UML-based software development solutions for SPF to manage the security, performance and modeling for Social networking sites.

References


http://www.ksc.com/articles/usecases.htm


Index Terms
Computer Science Information Sciences

Keywords

OO Rose Mode-Object Oriented Rose Model

TOS - Trusted Operating System