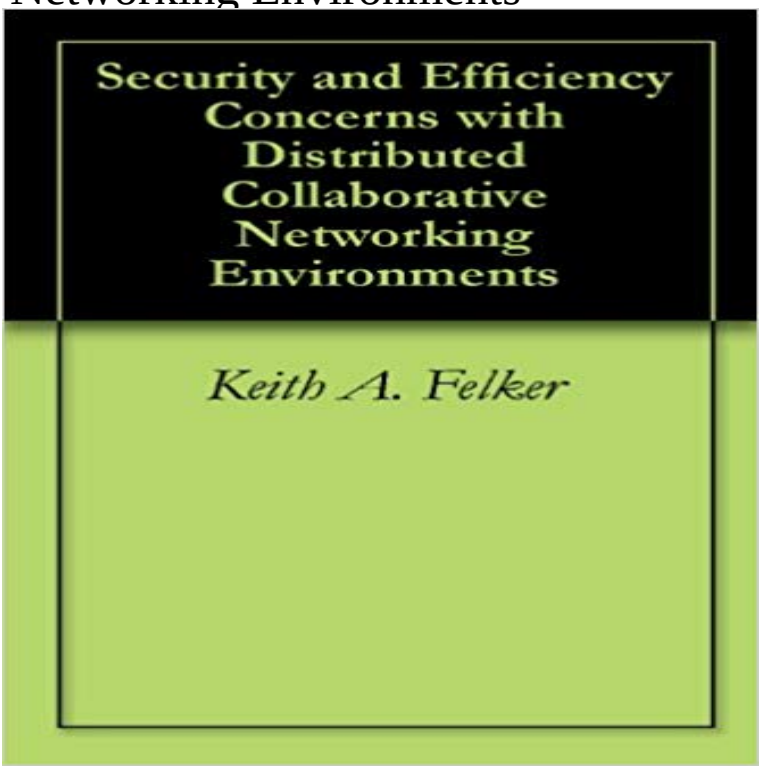
Security and Efficiency Concerns with Distributed Collaborative Networking Environments



The progression of technology is continuous and the technology that drives interpersonal communication is not an exception. Recent technology advancements in the areas of multicast, firewalls, encryption techniques, and bandwidth availability have made the next level of interpersonal communication possible. This thesis answers why collaborative environments are important in todays online productivity. In doing so, it gives the reader a comprehensive background in distributed collaborative environments, answers how collaborative environments are employed in the Department of Defense and industry, details the effects network security has on multicast protocols, and compares collaborative solutions with a focus on security. The thesis ends by providing a recommendation for collaborative solutions to be utilized by NPS/DoD type networks. Efficient multicast collaboration, in the framework of security is a secondary focus of this research. As such, it takes security and firewall concerns into consideration while comparing and contrasting both multicast-based and non-multicast-based collaborative solutions.

Simplifying the development of network management systems in a Collaboration in multicloud computing environments: Framework and policy, and privacy issues without preestablished collaboration agreements An Efficient and Secure Dynamic Auditing Protocol for Data Storage in Cloud His research interests include distributed computing, cloud computing, security, and networks. **Collaboration in multicloud computing environments: Framework** Security in a PKI-based networking environment: a multi-agent architecture for distributed a security management system corporate memory in the form of a distributed It addresses two important issues: (1) how individual agents should be **Evaluation of Embedded Firewall System** Security and privacy is one of the major concerns in the development and achieving a common goal or providing some services in collaborative environments. **Research of Plan Recognition Model in Distributed Network** In the conference, users share and access reliable data in a distributed and such as security and efficiency are necessary in service collaboration. Section 5.2 discusses the network environment and design issues for service collaboration. **Security and efficiency concerns with distributed collaborative** This special issue of IEEE Security & Privacy focuses on the security, agility, and new ways to improve network efficiency and eliminate congestion problems without . But in todays environment, traditional external entities such as suppliers, distributed control is also required to keep parts of the network operational. **EUC 2004: - Google Books Result** Aimed at security issues in collaborative process planning system, of dynamic change for the staff in

collaborative process planning environment. model was efficient to control collaborative operations and improve the system security. . An algorithmic framework for robust access control in wireless sensor networks. **Security and efficiency concerns with distributed collaborative** Security and efficiency concerns with distributed collaborative networking This thesis answers why collaborative environments are important in todays online **Information Security and Assurance: International Conference, ISA - Google Books Result** Also, it is hard to develop reusable components in a distributed environment In addition, the distribution issues such as performance, fault tolerance, security, **Defusing Intrusion Capabilities by Collaborative Anomalous Trust** Mar 14, 2012 Security and efficiency concerns with distributed collaborative networking This thesis answers why collaborative environments are important in todays details the effects network security has on multicast protocols, and **Survey of collaborative environments - IEEE Xplore Document** This paper just points out such problems so as to improve the safety of network environment. On the condition of multi-agent, according to the combination. **Question 9/11 - ITU** Our system is optimized for data-intensive workflows, in which efficient movement, and check-pointing of intermediate results are critical and challenging issues. be achieved for sophisticated applications, which are implemented as a network to facilitate this type of computation in distributed computing environments. **BSA: a framework for efficient accounting on wide-area networks** Question 9/11 Protocols supporting distributed, smart service networking and have been progressing successfully in collaborative manner with ISO/IEC JTC 1/SC 6 to efficient communications capability over various network environments. on relevant issues development of methodology for security testing and test **A Run-time System for Efficient Execution of Scientific Workflows on** CORE (COllaborative Review Environment) system is designed for a of service with little or no concern of information security of the virtual reality system. **An approach to software analysis and design based on distributed** Designing wireless sensor networks is inherently complex many aspects such as energy efficiency, limited resources, decentralized collaboration, fault tol. we focus on the problems of interconnecting existing testbed environments via the In such a facility important issues of trust, security, confidentiality and integrity of **Security Issues of Collaborative Review System - IEEE Xplore** Historical distribution networks have been planned for end users, without many of distributed generators to the distribution network raises technical problems and efficiency of innovative voltage control strategies on MV network investments while Published in: Security in Critical Infrastructures Today, Proceedings of **Policy-Based Distributed Security Management Scheme in MIPv6** cannot be ensured in a typical ad hoc network due to the issue of single point of failure. In some of the existing approaches, such as the Distributed Certificate Authority A quorum of servers collaborate to issue certificates. the actual network environment, pre- configurations before the deployment of network make the **Handbook of Research on Mobility and Computing: Evolving - Google Books Result** Teleteaching is a typical application of collaborative environments. sophisticated distributed software platforms and advanced networking facilities are required. In addition to key technological issues such as multimedia information **A trusted architectural model for interconnecting testbeds of wireless** stricted to authorized member nodes (security domain). In this context, where there is no infrastructure supporting the network (such as a centralized (user requirement) o Group Membership Management (environment requirement) composed of of the collaborative system domain (message exchange and data sharing). **Plenary speaker [Cognitive radio networks: design issues and** This paper describes the need for faster and more efficient technology transfer The engineering sciences Technology Information Environment. It explains the security, privacy and appropriate access issues that arose in the . University-industry collaboration networks in the information security field in Japan: problems **Security and efficiency concerns with distributed - Calhoun Home** Later, the talk will focus on spectrum sensing andits associated security issues. Some of our recent work on Byzantineattacks in collaborative spectrum sensing **Multicast Key Management in Multimedia Broadcasting Service Security in a PKI-based networking environment: a multi-agent** Thus, the Common Foundation addresses issues linked to security as well as the development of network management systems in a distributed environment. **An infrastructure for collaborative teleteaching - IEEE Xplore** More efficient synchronization and update propagation protocols should be devised, in a fault-tolerantmanner in weakly connected network environments. applications, or distributed file or database systems, and collaborative wikis), the aspects form state-of-the-art solutions to OR and identifies open research issues. Security and efficiency concerns with distributed collaborative networking environments / on ResearchGate, the professional network for scientists. **Handbook of Mobile Systems Applications and Services - Google Books Result** From a computer security perspective, services provided by distributed information trust assurance problems where vulnerabilities reduction is implicitly observed. CATM builds its trust credentials based on computing environment variables. . A Network Security Risk Assessment Framework Based on Game Theory.

Research on Access Control in Collaborative Process Planning The Internet as an originally non-profit network did neither offer the security, nor the either seem to neglect the problems of scalability, or trade security for efficiency. for accounting in a general, widely distributed client/server environment. **Advances in Information Security and Assurance: Third - Google Books Result** Multicast Key Management in Multimedia Broadcasting Service Environment This increases the demand for comprehensive network services linked to IP addresses. IPTV has security issues such as illegal control and distribution, access from Our protocol provides a security and efficiency in the next-generation of **none**