Titre de la présentation

**Correctness Strategies for Updating Firewall**

Résumé

Policy deployment is the process by which policy editing commands are issued on firewall, so that the target policy becomes the running policy. The size and complexity of firewall policies require automated tools providing an adequate environment to specify, configure and deploy a target policy. In this presentation, we make some contributions to the correctness of Firewall Policy Deployment. We show that the category of type I policy editing already existed is incorrect and could lead to security vulnerabilities. We then provide a correct algorithm for Type I Deployment called “Enhanced Scanning Deployment”. Our algorithm can be used even for the deployment of policies whose size is very large. Finally, we implement and evaluate the performances of the new algorithm.

Biographie

**ALI KARTIT is a trainer networks, PhD student in the field of security management of computer networks at the Faculty of sciences in Rabat (FSR). He has published 3 articles in international journals on the topic of security. He is certified Cisco and Exchange 2003 Server.**