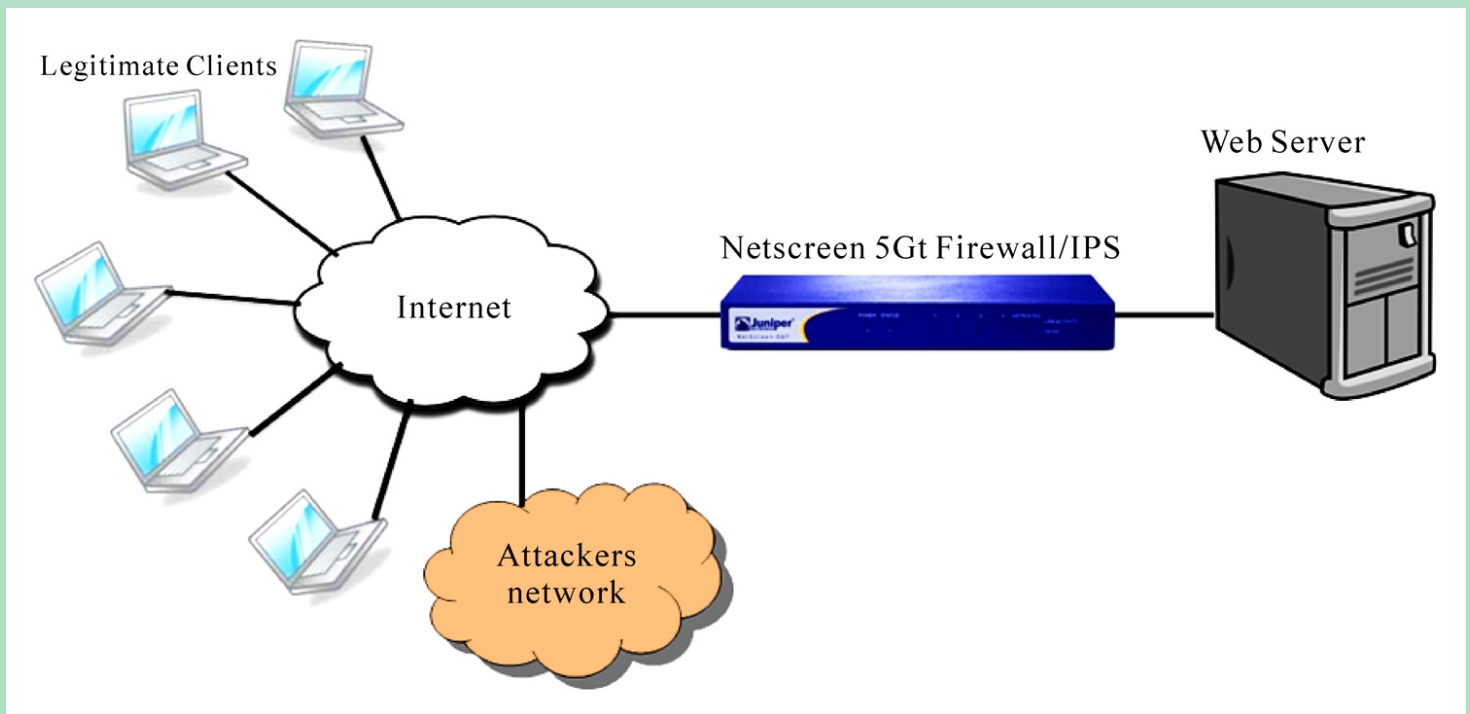




Journal of Information Security



ISSN: 2153-1234



Journal Editorial Board

ISSN: 2153-1234 (Print) ISSN: 2153-1242 (Online)

<http://www.scirp.org/journal/jis>

Editor-in-Chief

Prof. Gyungho Lee Korea University, Korea (South)

Executive Editor in Chief

Prof. Lina Wang Wuhan University, China

Editorial Board (According to Alphabet)

Prof. Abbaci Azzedine	Université Badji Mokhtar, Algeria
Prof. Chris Cannings	University of Sheffield, UK
Dr. Xiaochun Cheng	Middlesex University, UK
Dr. Philip W. L. Fong	University of Calgary, Canada
Prof. Vic Grout	Glyndwr University, UK
Prof. Le Gruenwald	University of Oklahoma, USA
Prof. Sun-Yuan Hsieh	National Cheng Kung University, Taiwan (China)
Prof. Min-Shiang Hwang	National Chung Hsing University, Taiwan(China)
Dr. Jiejun Kong	Scalable Network Technologies, Inc., USA
Dr. Fagen Li	University of Electronic Science and Technology of China, China
Dr. Giannis F. Marias	Athens University, Greece
Prof. Changwoo Pyo	Hongik University, Korea (South)
Prof. Sofiene Tahar	Concordia University, Canada
Prof. Yuanjin Yun	Federal University of Parana and Federation of Industries of Parana, Brazil
Prof. Kewen Zhao	University of Qiongzhou, China

Editorial Assistant

Lily Gan Scientific Research Publishing Email: jis@scirp.org

TABLE OF CONTENTS

Volume 2 Number 1

January 2011

SOAP-Based Security Interaction of Web Service in Heterogeneous Platforms

T. Xu, C. X. Yi.....1

A Novel Attack Graph Posterior Inference Model Based on Bayesian Network

S. J. Zhang, S. S. Song.....8

A Comparative Study of Related Technologies of Intrusion Detection & Prevention Systems

I. Mukhopadhyay, M. Chakraborty, S. Chakrabarti.....28

Effective and Extensive Virtual Private Network

T. S. Sobh, Y. Aly.....39

**Experimental Evaluation of Juniper Network's Netscreen-5GT Security Device against
Layer4 Flood Attacks**

S. Kumar, R. S. R. Gade.....50

The figure on the front cover is from the article published in *Journal of Information Security*, 2011, Vol. 2, No. 1, pp. 50-58, by Sanjeev Kumar and Raja Sekhar Reddy Gade.

Journal of Information Security (JIS)

Journal Information

SUBSCRIPTIONS

The *Journal of Information Security* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright©2011 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

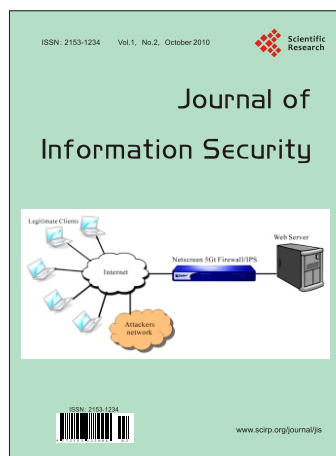
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: jis@scirp.org



Journal of Information Security

ISSN 2153-1234 (Print) ISSN 2153-1242 (Online)

<http://www.scirp.org/journal/jis>

JIS, a quarterly journal, publishes research and review articles in all important aspects of information security. Both experimental and theoretical papers are acceptable provided they report important findings, novel insights, or useful techniques in these areas.

Editor-in-Chief

Prof. Gyungho Lee

Korea University, Korea (South)

Executive Editor in Chief

Prof. Lina Wang

Wuhan University, China

Editorial Board

Prof. Abbaci Azzedine
Prof. Chris Cannings
Dr. Xiaochun Cheng
Dr. Philip W. L. Fong
Prof. Vic Grout
Prof. Le Gruenwald
Prof. Sun-Yuan Hsieh
Prof. Min-Shiang Hwang
Dr. Jiejun Kong
Dr. Fagen Li
Dr. Giannis F. Marias
Prof. Changwoo Pyo
Prof. Sofiene Tahar
Prof. Yuanjin Yun
Prof. Kewen Zhao

Université Badji Mokhtar, Algeria
University of Sheffield, UK
Middlesex University, UK
University of Calgary, Canada
Glyndwr University, UK
University of Oklahoma, USA
National Cheng Kung University, Taiwan (China)
National Chung Hsing University, Taiwan(China)
Scalable Network Technologies, Inc., USA
University of Electronic Science and Technology of China, China
Athens University, Greece
Hongik University, Korea (South)
Concordia University, Canada
Federal University of Parana and Federation of Industries of Parana, Brazil
University of Qiongzhou, China

Subject Coverage

JIS aims to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of information security. All manuscripts submitted to JIS must be previously unpublished and may not be considered for publication elsewhere at any time during JIS's review period. Additionally, accepted ones will immediately appear online followed by printed in hard copy. The topics to be covered by Journal of Information Security include, but are not limited to:

Access Control and Anonymity
Anti-Virus and Anti-Worms
Authentication and Authorization
Biometric Security
Data and System Integrity
Database Security
Distributed Systems Security
Electronic Commerce Security
Fraud Control

Grid Security
Information Hiding and Watermarking
Intellectual Property Protection
Intrusion Detection
Key Management and Key Recovery
Language-Based Security
Network Security
Operating System Security
Security Models

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the **JIS**.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/jis>

E-mail: jis@scirp.org

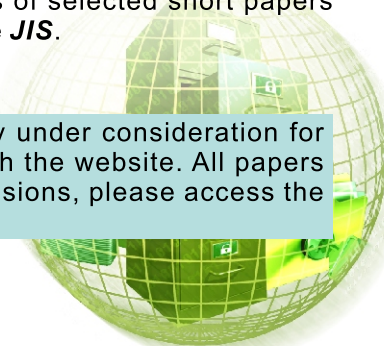


TABLE OF CONTENTS

Volume 2 Number 1

January 2011

SOAP-Based Security Interaction of Web Service in Heterogeneous Platforms

T. Xu, C. X. Yi..... 1

A Novel Attack Graph Posterior Inference Model Based on Bayesian Network

S. J. Zhang, S. S. Song..... 8

A Comparative Study of Related Technologies of Intrusion Detection & Prevention Systems

I. Mukhopadhyay, M. Chakraborty, S. Chakrabarti..... 28

Effective and Extensive Virtual Private Network

T. S. Sobh, Y. Aly..... 39

Experimental Evaluation of Juniper Network's Netscreen-5GT Security

Device against Layer4 Flood Attacks

S. Kumar, R. S. R. Gade..... 50