IEEE COMMUNICATIONS SOCIETY

STUDY GROUP
FOR
SECURITY, RELIABILITY, AND PERFORMANCE
FOR SOFTWARE DEFINED AND VIRTUALIZED ECOSYSTEMS
(SRPSDVE)

Overview

Face-to-face Meeting (& via Teleconference)

April 8, 2015

Spilios Makris (Chair)
Palindrome Technologies

Study Group Meeting Agenda

- Call to Order
- Introduction of Participants
- Introduction of the Study Group three Vice Chairs
- Contribution Readout based on Presenter's Time Zone (China/India first)
- Discussion on how these contributions could be used in writing the expected Study Group deliverable (i.e., a PAR to address the standardization of SDN, NFV regarding specific security, reliability, and performance related topics)
- Discussion of Draft PAR document(s)
- Open Discussion – Q & A
- Next Steps / Action Items
- Future Meetings
- Adjourn

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Study Group Meeting Agenda – Timeline
EDT (New York Time)

- 8:30 – 9:00 Introduction, Objective, Background
- 9:00 – 12:00 Individual presentations about specific ideas for standardization
- 12:00 – 1:00 Lunch
- 1:00 – 3:00 Discussion on the proposed PAR document(s)
- 3:00 – 3:15 Coffee break
- 3:15 – 3:45 Next steps
- 3:45 – 4:00 Meeting wrap-up and closing

SRPSDVE Study Group Co-Vice Chairs

- **Security:**
  - **Ashutosh Dutta (AT&T, ETSI Liaison to IEEE)**
    ashutosh.dutta@att.com
  - **Anton Kaska (Borealis Traders of New England, LLC)**
    anton@kaska.net
- **Reliability:**
  - **Chandru Mirchandani (Lockheed Martin)**
    chandru.j.mirchandani@lmco.com
  - **Mike Tortorella (Assured Networks)**
    w2iy@verizon.net
- **Performance:**
  - **Mohammad Asad Chaudhry (Univ. of Toronto)**
    masadch@ieee.org

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Introduction of Participants

- Your Name
- Company Name / Affiliation
- Area(s) of Expertise
  - Security
  - Reliability
  - Performance
- Standards-related Experience
  - Present / Past

Study Group Participants' Affiliation*

1. ABB, India
2. AGH Univ. of Science & Technology, Poland
3. Alcatel-Lucent
4. Allot Communications
5. Amdocs
6. Assured Networks
7. AT&T
8. Bell Labs, China
9. Boeing
10. Borealis Traders of New England
11. Brocade
12. Budapest Univ. of Technology, Hungary
13. CAIR DRDO, India
14. Catapult Consultants
15. Ciena
16. Cisco
17. CMRIT, India
18. COSMOTE, Greece
19. Create-Net, Italy
20. CUNY
21. Emerson Climate Technologies
22. Ericsson
23. Fluke Networks
24. Gilat Satellite Networks
25. GIT, India
26. GSU
27. Huawei, China & India
28. IBM
29. Illinois Institute of Technology
30. Indian Institute of Technology, India
31. Infosys
32. Intel Corp.
33. John Hopkins University
34. Juniper Networks
35. KerrNet Consulting, Canada
36. Llamastam Consulting, India
37. Lockheed Martin
38. Manhattan College
39. Manipal Institute of Technology, India
40. McGill Univ./Jewish Gen. Hospital, Canada
41. MITRE Corp.
42. Nakina Systems of Ottawa, Canada
43. National Chiao Tung University, China
44. NIST
45. OGCIO, Hong Kong
46. Oracle
47. Orange
48. OTE, Greece
49. Palindrome Technologies
50. PESIT, India
51. Politecnico di Milano, Italy
52. QuEST Forum
53. Rockwell Automation
54. RTI International
55. Rutgers University
56. Palindrome Technologies
57. Sasken Communication Technologies
58. Secure Computing Innovation Foundation
59. Sensus Metering System
60. SFI Connect, Ireland
61. Software Reliability Research LCC
62. SUNY at Buffalo
63. SYSREL
64. Tangentix, England
65. TCS , India
66. The Nemacolin Group
67. Unb
68. Uniandes
69. University of Maryland
70. University Putra, Malaysia
71. University of Wisconsin at Madison
72. UTL
73. Verizon
74. Verizon Wireless
75. Wipro

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*Snapshot as of April 7, 2015

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List of Uploaded Contributions per Topic

- **Overview**
  - **Spilios Makris** (Chair)
- **Security**
  - **Evripidis Paraskevas** (University of Maryland**)**
- **Reliability**
  - **Abhilash Gopalakrishnan** (ABB India Development Center)
  - **Mike Tortorella** (Assured Networks)
  - **Spilios Makris** (Palindrome Technologies)
- **Performance**
  - **Mohammad Asad Chaudhry** (University of Toronto)

What is Needed?

- Follow-up on liaisons among other Standards Developing Organizations (SDOs) to get the latest status on outstanding issues
- Perform a gap analysis of the SDN/NFV worldwide work on Security, Reliability, and Performance with the goal to answer the question:

> "Which aspects of that work could be taken forward in IEEE for standardization?"

- Use the above information to draft a PAR for ComSoc

Discussion

- **Questions and Answers (Q&As) on:**
  - **The SRPSDVE Study Group**
  - **The three specific topics**
    - **Security**
    - **Reliability**
    - **Performance**

Next Steps / Actions

- **Liaise with the ETSI NFV REL Working Group Chairman (Marcus Schöller) during the IEEE Emerging Technologies Roundtable (May 11, 2015) on potential topics of collaboration with the IEEE SRPSDVE Study Group (e.g., synergies, complementary work)**
- **Use the contributions to achieve a consensus in issuing or not of a PAR to address the standardization of SDN, NFV and related areas focusing on Security, Reliability, and Performance topics**
- **Write and distribute a Draft PAR to the Study Group members ahead of the next Study Group meeting**

Future Meetings

- **Type of meetings and frequency**
  - **Face-to-face (1 day) with teleconference option**
    - **At IEEE Headquarters in New Jersey (June 2015)**

    (Details will follow)