

SOI Asia IPv6-only Network One-day Workshop 2007

Overview

Achmad Husni Thamrin

1. Introduction

The time has come for us to do another major change in the operation of our network, which is to start IPv6 only operation. In this operation, SOI Asia will use only IPv6 in class operations, and partner sites will use IPv6 to access the Internet. The objective is so we can gain a complete experience in operating and using this next generation Internet protocol and to contribute to the Internet research community.

We have been building the momentum for IPv6 only operation for several years. We introduced IPv6 operation in 1999 with our AI3 6Bone test bed. In SOI Asia, we started to introduce IPv6 to the operators with the SOI Asia Advanced Operators Workshop 2004. Since then, we have incorporated IPv6 in the SOI Asia Workshop curriculum. As a result of this process, we have started the IPv6 multicast operation in our network and stopped using IPv4 multicast in 2005.

The momentum brings us the the next step: IPv6 operation in both multicast and unicast. SOI Asia team has confirmed that class operations can be done in IPv6, both the multicast and unicast. We also have the means to access IPv4 Internet from IPv6 Internet.

As a step toward realizing the IPv6 only operation, we plan to hold one-day workshops on how to migrate the current SOI Asia network for the IPv6 only operation. We hope that at least one operator from each partner will participate in this workshop so he/she can implement the migration by September 2007.

2. Audience

Experienced operators who have been involved in the operations of SOI Asia network and class operations and participated in the SOI-Asia Operator's Workshop 2006 or 2005.

3. Workshop Model

The workshops will use the same model as the SOI-Asia Operator's Workshop 2006 using remote access and virtualizations with emphasis on hands-on practices on how to migrate SOI Asia networks for IPv6 only operations.

4. Requirements for Participating Institutions

a. One computer for each participant

Each participant has to use a computer, which will be used for:

- viewing a pre-recorded workshop tutorial,
- accessing virtual SOI Asia network environments in SFC,
- communicating with TAs in SFC using VIC, RAT, and IRC.

The minimum specification for the computer is:

- Pentium III 800Mhz
- 256MB RAM
- 20GB HD
- 1 Ethernet card
- Windows XP SP1

b. Internet connectivity

As this workshop will use the Internet to access virtual network environments and communicate with TAs, in SFC, participating institutions must ensure at least a 128kbps connectivity to the Internet.

5. Workshop Programme

Session 1 (11:00 – 12:30 JST) Workshop Tutorial (pre-recorded)

Session 2 (13:00 – 14:30 JST) Hands-on I

DNS services for IPv6

IPv6 Squid Proxy

Session 3 (15:30 – 17:00 JST) Hands-on II

SOI Asia network reconfiguration

Session 4 (17:30 – 19:00 JST) Hands-on III and Review

SOI Asia class operations using IPv6

Running network applications using IPv6

Review and Q&A

6. Schedule

Each workshop will be conducted in one day from 11:00JST to 19:00JST, and we will conduct workshops several times and participants can choose their preferences on the date. The number of participants in each workshop will be limited to 5 persons.

The available dates for workshops are

Tuesdays: July 31, August 7, August 14

Wednesdays: August 1, August 8, August 15

Thursdays: August 2, August 9, August 16

7. Application Period

Workshop application will be opened from July 5, 2007 until July 26, 2007

8. Organizing Committee

Co-chairs : Achmad Husni Thamrin
Achmad Basuki

Secretariat : SOI Asia Secretariat

SOI Asia IPv6-only Network One-day Workshop 2007

Application Form

(Please submit to 2007ipv6@asia.soi.wide.ad.jp by July 26, 2007 16:00JST)

Name : _____ M/F Nickname: _____

Position : _____

Institution : _____

Email address : _____

Phone no : _____ Fax no : _____

SOI Asia operator since : ____ / ____ / ____ (D/M/Y)

Workshop participations: __ 2006 __ 2005 __ 2004 (type X before the year)

Preference dates for workshop (remove unwanted dates):

1. 7/31 8/1 8/2 8/7 8/8 8/9 8/14 8/15 8/16

2. 7/31 8/1 8/2 8/7 8/8 8/9 8/14 8/15 8/16

3. 7/31 8/1 8/2 8/7 8/8 8/9 8/14 8/15 8/16