

## Guideline for organizing a SOI Asia self-paced workshop

SOI Asia self-paced workshop aims to support partners to train new SOI Asia operators to be able to setup and operate SOI Asia environment. The workshop content includes how to setup satellite receiver, network services and how to operate realtime class. The workshop environment is shown in Figure 1, SOI Asia provides web-based lessons and virtual lab for workshop participants to learn and practice hands-on lessons. Participants from partner site can access these resources through Internet and conduct the workshop locally.

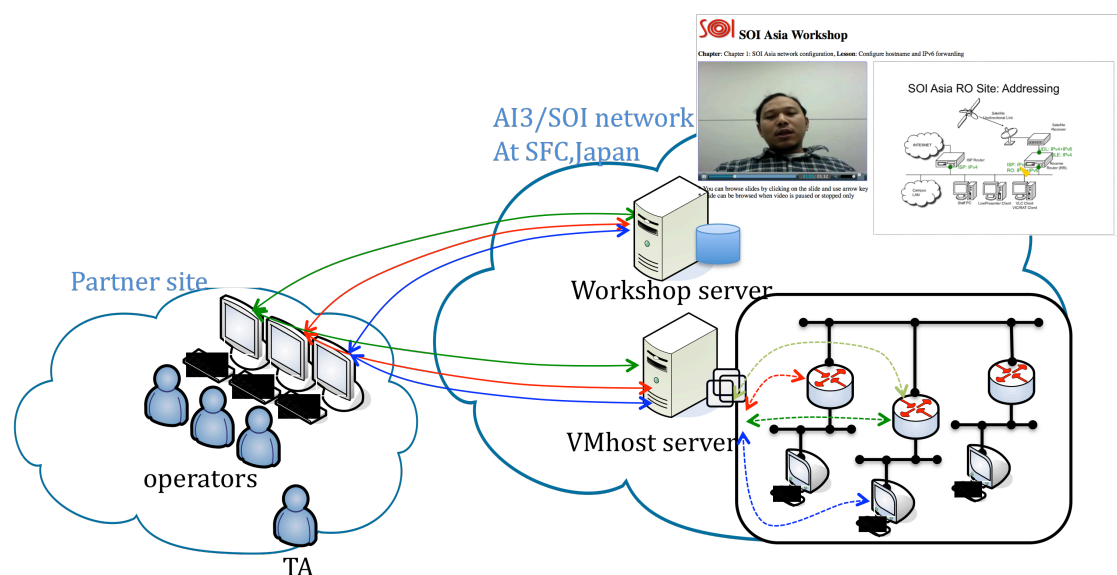


Figure 1. Workshop environment

### Workshop requirements

The local workshop organizer provides necessary facilities for participants to be able to access workshop content and lab. Local TAs is very important to guide/instruct participants to conduct the workshop.

#### *Computer*

- One computer for each participant, the computer is used as a terminal to access web-based lessons and to remotely connect to lab's VMs. The required applications are web-browser, SSH client (ex. Putty), PDF reader.

#### *USB flash/thumb drive*

- An empty USB drive (1GB or more) is to be used for dokodemo client setup. Several of them may be needed if participants plan to setup concurrently.

#### *Network*

- It is recommended to use SOI Asia network for better speed to access workshop content and VMs located at SOI Asia network in Japan. The SOI Asia IPv6 connectivity is also required in some lessons to verify output of the configurations. It is also needed for practicing realtime class operation and dokodemo setup.
- However, some content of the workshop including web-based lessons and some virtual lab configurations can be carried out using regular Internet connectivity at home or campus.

#### *SOI Asia classroom environment*

- To allow to participants to practice realtime class applications in the real environment.

#### *Workshop coordinator*

- Workshop coordinator is the liaison who coordinates and organizes the workshop with SOI Asia

#### *One or more TA*

- TA is responsible for guiding participants throughout the workshop period. It is preferable that he/she obtains the following qualifications
  - o Participated in AI3/SOI Asia Internship program, or joined the operator workshop before.
  - o TA should have at least 1 year experience operating AI3/SOI Asia environment, or else have good background knowledge and practical experience about TCP/IP Internetworking.

#### Workshop procedure

1. Fill “New workshop application form” at <http://www.soi.asia/ow/self-paced/>
2. SOI Asia team will review the application. If there is any conflict on dates and/or lab resource allocation, SOI Asia team may contact the workshop coordinator to adjust the schedule.
3. When the workshop is approved,
  - An account will be created for each participant to access to the web-based lessons and access to VMhost server. The account information will be sent by email to the given email addresses of participant, TAs and workshop coordinator.
  - Participant can login and learn web-based lessons anytime after receiving the login information.
  - To use lab resources, each participant needs to do a reservation. Participant can manage their reservation through the web-based system under their own login. Each participant will be given 9 sessions initially ( each session = 3 hours) to complete all assigned lab lessons. However, if he/she could not complete within the given quota, he/she can request 3 sessions more each time provided that they do a new reservation within 7 days after their last lab session.

#### 4. Workshop information system

- Access to “Workshop information system” on <http://www.soi.asia/ow/self-paced/> by the password given in the application form.



Batch:

Password:



#### Workshop information

Batch ID: 12  
Organization: test2  
Start date: 2011-08-26  
End date: 2011-09-04  
Approve: YES  
Finish: NO  
Local coordinator: yoo (yoo@sfc.wide.ad.jp)

#### TA information

1 moo , yoo@soi.ne.jp

#### Student information

No.	Name	Email	username	password	Server	VM	Session Quota
1	ood	yoobasu@hotmail.com	u1201s0102	1995	sfc-ws-svr1.ai3.net	02	9
2	aad	yoobasu@hotmail.com	u1202s0205	5604	202.249.25.153	05	9

#### 5. During the workshop period

- TAs assist and guide participants to learn lessons and practice lab assignments.
- For realtime class operation, after participants complete the web-based lesson, TAs demonstrate to them how to operate SOI Asia class in the real environment.
- TA can check participants' progress by menu “view LAB progress”

Student	Chapter 1: SOI Asia network configuration									
	Configure hostname and IPv6 forwarding	Configure /etc/hosts	Configure IPv4 forwarding	Configure IP addresses for eth0		Configure IPv4 address alias for eth0		Configure IP addresses for eth1		Configure IP addresses for eth1
baka student1 junior (06)	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS
Test2 Test3 (44)	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS

6. Finish the workshop,

- On the last date of the workshop, the system will inform participants to backup all information before their accounts and lab resources will be deleted from the system.
- Participants can still use the guest account to review the web-based lessons later.

7. Workshop certificates request

- Explicit request of certificates by the workshop organizer or TAs must be made at menu "Request certificates ". The request is submitted only once after the workshop has finished.
  - Only participants who completed all virtual lab assignments are eligible.
  - TAs must instructed all these participants to do hands-on practice on Chapter 5: Realtime applications.
  - The information given in the request form is the correct spellings of participants and organization' names to be printed on the certificate.



Procedure to request workshop certificates

1. Only participants who completed all lab assignments are eligible
2. TAs has demonstrated and instructed participants to do hands-on practice on Chapter 5: Realtime applications
3. Review the following information and ENSURE the CORRECT SPELLINGs to be printed on the certificates
4. Select persons who need certificates
5. Submit the request

Organization

Mailing address

No.	Name	Virtual Lab completed	Request certificate
1	User	NO	
2	<input type="text" value="John Smith"/>	YES	<input checked="" type="checkbox"/>