

AfNOG-2013



Welcome to
Scalable Internet Services (SS-E)

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What you will learn about

- **The FreeBSD OS**
- **Building Domain Name Services using BIND**
- **Building Web Services using Apache**
- **Building AAA Services using FreeRADIUS**
- **Building SMTP Services using Exim MTA**
- **POP3 & IMAP Services**
- **Monitoring IP Services**
- **Virtualization**
- **Security**
- **<http://www.surveymonkey.com/s/8QNGCZZ>**

Instructors

- **Joe Abley – Canada**
- **Ayitey Bulley – Ghana**
- **Kevin Chege – Kenya**
- **Joel Jaeggli – US**
- **Michuki Mwangi – Kenya**
- **Chris Wilson – UK**



Students

Name?



Organization?

Country?

Role?

Lectures

- Let us know...
 - If we speak too fast.
 - If you can't see, please draw our attention.
 - If you don't understand please ask.
 - **If you have problems at home with your network. Feel free to bring it up.**
- **Please**
 - **Avoid checking mail, facebook & other social networking sites during lectures**
 - **Turn off all cell phones**
 - **PAY ATTENTION**

Time Table

- **Four sessions each**

- 09:30 - 11:00
- 11:30 - 13:00
- 14:00 - 16:00
- 16:30 - 19:00

- **About 1 hour for lunch - 13:00 to 14:00**

- **Morning, afternoon breaks (30 minutes)**

- 11:00 to 11:30
- 16:00 to 16:30

- **Class may extend to 19:00**

- **Dinner from 20:00 to 21:30**

- **Time table is available at**

<http://www.ws.afnog.org/afnog2013/sse/index.html>

Meals

- Breakfast will be at the Hotel
 - Breakfast - 6:00 to 8:00
 - Meals and tea breaks will be by the reception.
 - Morning Break - 11:00 to 11:30
 - Lunch Break - 13:00 to 14:00
 - Afternoon Break - 16:00 to 16:30
 - Remember to be back in class on time from breaks
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Extra Charges

- AfNOG will not pay for any extra charges on your hotel room, such as:
 - phone calls,
 - food and drinks (room service)
 - laundry



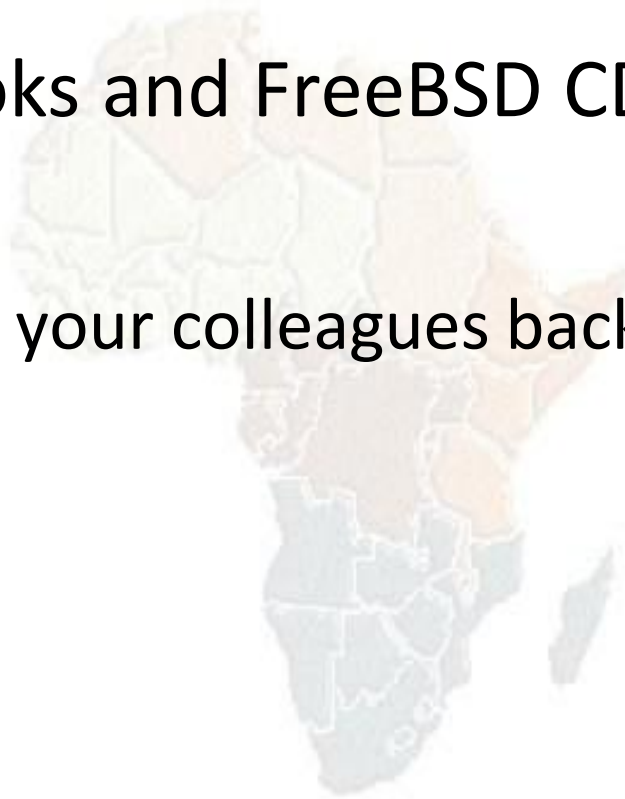
You should have received...

- Name badges
- Folder with notepad, pen, information pack
- Coupons for meals



You will receive...

- Books/eBooks and FreeBSD CD-ROMs
 - Share with your colleagues back at home.



Electronic Resources

- Web site (URL)
 - <http://www.afnog.org/>
 - <http://www.ws.afnog.org/>
 - Mailing list
 - afnog@afnog.org
 - Subscribe via afnog-request@afnog.org
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Safety

- Be very careful when moving about, so you don't:
 - trip on power cords
 - pull cables out of sockets
 - knock equipment off tables
 - fall from leaning back too far in your chair

Classroom

- 34 Servers – named pc1 – pc34
- Each Student has access to:
 - 1 server with FreeBSD-9.1 installed on it
 - 1 pc or your own notebook with ssh access to the AfNOG network
 - Windows = putty @ putty.org
- 196.200.219.0/24 Network IP address
 - IP Addresses for servers start from 196.200.219.101/24 for pc1 etc

Server Configuration

- FreeBSD-9.1 OS installed
- Keyboard is “universal” and setup is US
- login as “@#%#” , password “xxxxxx”
- “root” password is “xxxxxx”
- Don't change passwords
- Don't “close security holes”

Practical Exercises

- **Each student is given a server**
 - `pcX.sse.ws.afnog.org`
- **You will build IP services for domain**
 - `<domain>.bogus.gh`



Evening Sessions

- **Your servers will be available from any internet connection to continue your exercises**



Any Questions

