



Train the Trainers II

Intercontinental Hotel
Lusaka, Zambia
November 8-12, 2013



Instructors

Hervey Allen USA/Chile

<http://nsrc.org/trainers/bios/HerveyAllen.html>



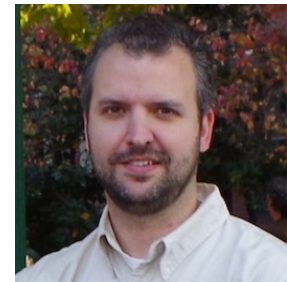
Brian Candler England

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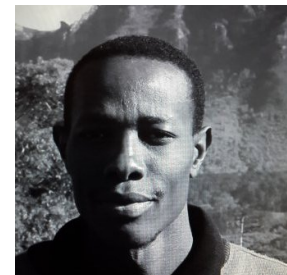


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Organizers

Steve Huter

USA

Joe Kimali

Uganda

Stein Mkandawire

Zambia

Beatrice Ng'ambi

Tanzania

Tusu Tusubira

Uganda

And, our friends here at ZAMREN



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Schedule

Session I	09:00-10:45
Break	10:45-11:15
Session II	11:15-13:00
Lunch	13:00-14:00
Session III	14:00-15:45
Break	15:45-16:15
Session IV	16:15-18:00

Optional evening sessions



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Goals

- Write and use a lesson plan
- Plan a course of instruction
- Build a workshop virtualization host using Ansible
- Understand how Ansible works
- Obtain materials from the NSRC git repositories using Gitlab
- Understand the components of a virtualized training platform
- Create a virtual machine
- Clone virtual machines
- Manage virtual machines
- Understand Linux virtual network interface configuration
- Build from scratch initial Network Monitoring and Management and Campus Network Design topologies.



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Agenda

SATURDAY	Topic
Session 1	Welcome, Goals, Logistics
	Class Introduction
Session 2	Ways people learn
	Learning objectives
Session 3	Teaching activities
	Lesson planning
Session 4	Lesson planning (contd)
	Teaching practice preparation
SUNDAY	
Session 1	Student Presentations
Session 2	Student Presentations
Session 3	Student Presentations
Session 4	Install Ubuntu
MONDAY	
Session 1	Overview of Virtualized Platform
	Overview of LVM
	Configure LVM
Session 2	Git Overview / Review
	Install workshop repo
	Ansible Overview
Session 3	Build Platform w/Ansible
	Platform Review (net interfaces)
Session 4	Configure Switch
	Configure AP
	Platform Testing Lab

TUESDAY	
Session 1	KVM / Libvirt Review
	Initial VM Build
Session 2	Manage a VM
Session 3	Clone a VM with SSH Keys
Session 4	Managing groups of VMs
EVENING	CND and DEA
WEDNESDAY	
Session 1	Review Network Interfaces
	Network Interfaces Updates
Session 2	CND / NMM Topologies
	Screen overview
	Update & Test Network
Session 3	Dynagen / Dynamips
	Dynagen / Dynamips lab
Session 4	Roundtable: What's need to run a workshop?
	Summary & Q&A
	Survey
	Certificates

Sponsors



Who's Here

No.	Name	E-mail Address	NREN/Group	Country
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Administrative Items

Agenda / Course Web Site

- <http://kit1.lab.nsrc.org/>

During the course

- Please ask questions
- Your experiences are valuable
- Don't be shy!

Post Workshop

- <http://nsrc.org/workshops/2014/nsrc-ubuntunet-trainers/>



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