

Security Workshop

Introduction

APRICOT 2019 / Daejeon, Korea

2019.02.18-22

Introductions

- Bhumika Sapkota - Classic Tech Pvt Ltd, Nepal
- Cristel Pelsser - Uni Strasbourg, France
- Keiichi Shima - Internet Initiative Japan, Japan
- Patrick Okui - Network Startup Resource Center, Uganda
- Randy Bush - Internet Initiative Japan, Japan, Arrcus, US

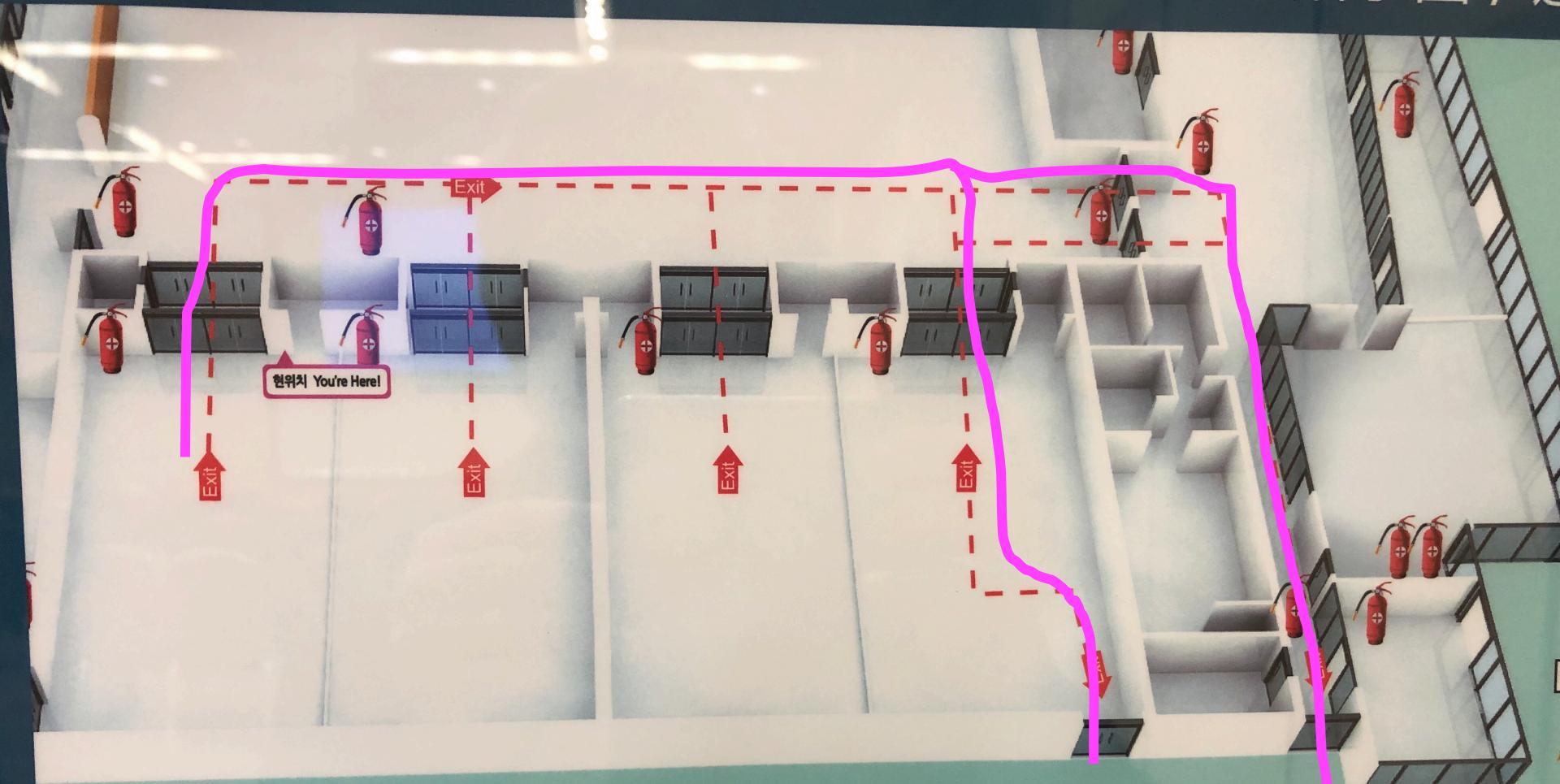
Introduce Yourself Loudly, Please

- Your Name
- Country / City
- Where do you work?
- ISP, Enterprise, Government, ...?
- What you do: SysAdmin, Programmer, ...?

Logistics

- Timing
 - 09:00-10:30 - Session 1
 - 10:30-11:00 - Tea
 - 11:00-12:30 - Session 2
 - 12:30-13:30 - Lunch (**LUNCH TICKET REQUIRED**)
 - 13:30-15:00 - Session 3
 - 15:00-15:30 - Tea
 - 15:30-18:00 - Session 4
- Transport - You are on Your Own
- Administrative Support

(Emergency) Evacuation Plan / 避难指示图 / 退

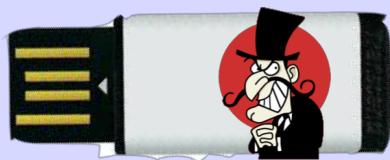


You Get One
Bottle of Water
Put Your Name On It
Keep It All Week

Security

- Please be responsible for your own items. It is recommended you do not leave valuable items in the classrooms
- This is a security workshop, you should secure your kit, phone, ...
- Someone could play a prank (joke) on you to teach you to think about security

In Other Workshops, We
Circulate a USB Stick with
the Presentations



But we do NOT Exchange
USBs in a Security
Workshop

Agenda and Download Presos Incremental as We Go

<https://github.com/randyqx/apricot-sec2019>

Software will be at
<https://psg.com/aprisec-sw/>

Agenda - Day 1

- Introduction  we are here
- Assets and Threat Models
- Cryptography Overview
- Hashing
- PGP Introduction
- PGP Lab

Agenda - Day 2

- SSH & SSH Lab
- Wireshark
- VPNs, IPsec, & TLS
- OpenVPN and pfSense

Agenda - Day 3

- Network Infrastructure
 - Routers & Switches
 - Filtering
 - Configuration & Archiving
- Sick Host Detection
- Logging and Monitoring
- Anomaly Detection & Firewalls
- IDS / Snort

Agenda - Day 4

- DNS
- Protecting Hosts
- Virus, Mail, and Browsing
 - Anti-Virus
 - Safe Mail Practices
 - Safe Browsing Practices
- Inter-Host Protocols
 - Personal and File Encryption
 - Secure File Transfer
 - Covert Channels

Agenda - Day 5

- Inter-Network Cooperation
- Overflow from previous days

Materials

<https://github.com/randyqx/apricot-sec2019>

Normal WiFi

SSID is apricot

Password is wireless

Don't Abuse the Network

Virtual Machine WiFi

SSID is workshop

Password is iij/2497

Don't Abuse the Network