Security Workshop Introduction

APRICOT / Fukuoka

2015.02.24-28

Introductions

- Yoshinobu (Maz) Matsuzaki - Internet Intiative Japan

- Sheryl Hermoso – APNIC

- Fakrul Alam - bdHub

- Randy Bush – Internet Intiative Japan

Logistics

- Timing
  - 09:00-10:30 – Session 1
  - 10:30-11:00 - break
  - 11:00-12:30 – Session 2
  - 12:30-14:00 - lunch
  - 14:00-15:30 – Session 3
  - 15:30-16:00 - break
  - 16:00-18:00 – Session 4

- Transport – You are on Your Own

- Administrative Support

https://web.nsrc.org/workshops/2015/apricot2015/wiki/Track5Agenda

A USB Stick
Will Circulate

Multiple Times

Agenda – Day 1

- Introduction 👉 we are here

- Assets and Threat Models

- Social Engineering, and Who to Trust

- Cryptography

- PGP Introduction & Lab

Agenda – Day 2

- SSH & SSH Lab

- VPNs & IPsec

- OpenVPN & pfSense

- Network Infrastructure
  - Routers & Switches
  - Filtering
  - Configuration & Archiving

Agenda – Day 3

- Routing Protocol Protection
- RPKI-Based Origin Validation Lab
- Sick Host Detection
- Logging and Monitoring
- Anomaly Detection & Firewalls
- IDS / Snort
- DNS
- DNS Rate Limiting

Agenda – Day 4

- 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

- Plan in Advance

- When (not if) Disaster Happens

- Planning, Logging, Forensics

- Cooperation: NOGs, CERTS, ...

- Law Enforcement

- WireShark

Materials

- USB Will Pass Around With All Slides

- USB Will Pass Again, With Corrections

- And again ☺

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Resources

- Wireless – workshop-security / apr15security