CHIN VANNAK

MULTI GROUP VPN WITH VERTICAL MANAGEMENT

ASEAN IVO

NIPTICT

THANK

HISTORY OF INTERNET

The history of the Internet has its origin in the efforts of wide area networking that originated in several computer science laboratories in the United States, United Kingdom, and France in 1960s.

Until now, there is a lack of security over the Internet.

Province A   Province B   Province C

(Each province contains: MoEYS, MoAFF, MoWRM)

PROBLEMS ▶ Files are shared insecurely over the Internet.

OBJECTIVES

Secure Communication

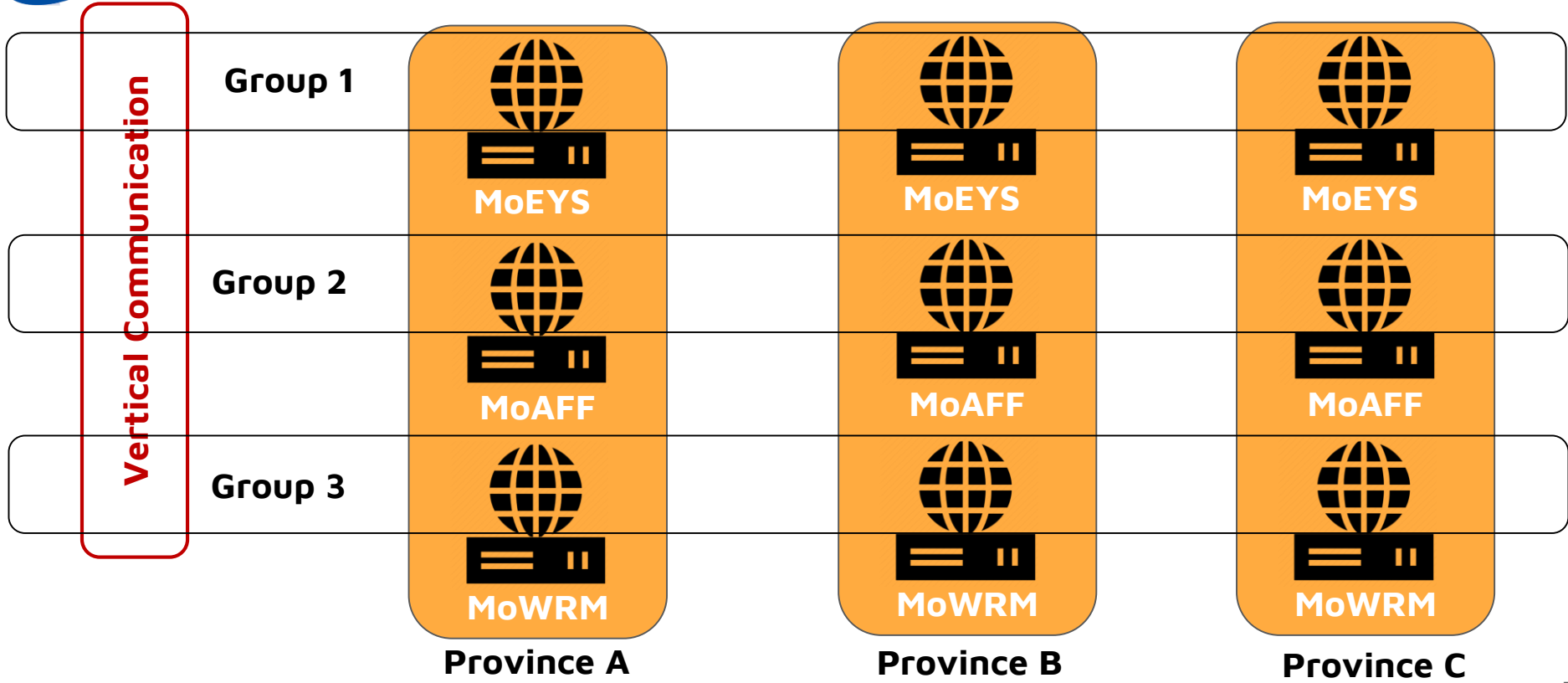**Group Communication**

Vertical Communication

VPN Site to Site

Group VPN

Routing Mechanism

IPSec Protocol

Secure Socket Layer

VPN

IPSEC

SSL

PROPOSED METHOD

IMPACT

01 SECURE CONNECTION
All traffic is encrypted with IPSec.

02 SCALABILITY
It is easy to add more sites.

03 HIGH AVAILABILITY
We can access files from multiple locations.

Prevent Data Losses due to any hacks or attacks.

Make it easier to control data transmission

01

02

OUTCOME

2019.11.20   Manila, the Philippines   ASEAN IVO Forum 2019

CONCLUSION ▶ **Preventing is better than fixing.**