

# A global, stable and secure Internet

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# APNIC

- Regional Internet Registry [www.apnic.net](http://www.apnic.net)
- Distribute and manage internet number resources – IP addresses (ipv4 and ipv6) and Autonomous System Number (ASN) for the Asia Pacific Region (56 Economies)
  - Maintaining Whois database, reverse DNS zone delegation, RPKI, APNIC Academy, Internet Directory
- Forum for Internet Policy Development
- Technical Capacity Building & Research
- Active participant in the multi-stakeholder model of Internet cooperation and governance
- APNIC's Vision: *A global, open, stable, and secure Internet*

# APNIC & ITU Collaboration

- IPv6 deployment, infrastructure, security
- Support for National CERT/CSIRTs



## ITU / APNIC joint development initiatives

- 2013 - IPv6 Security Workshop - Bangkok, Thailand
- 2014 - ITU Workshop - Bangkok, Thailand
- 2014 - IPv6 Workshop - Vientiane, Laos
- 2015 - IPv6 Workshop - Bangkok, Thailand
- 2015 - Country Direct Assistance - Ulaanbaatar, Mongolia
- 2016 - IPv6 Security Workshop - Bangkok, Thailand
- 2016 - Country Direct Assistance IPv6 - Phnom Penh, Cambodia
- 2017 - Infrastructure and IPv6 Security Workshop - Bangkok, Thailand
- 2017 - Country Direct Assistance IPv6 - Thimpu, Bhutan
- 2017 - Infrastructure and IPv6 Security Workshop (w/ PacNOG) - Nuku'alofa, Tonga

<https://blog.apnic.net/2017/12/11/committing-engagement-pays-off-region/>

# Key Challenges & Opportunities

- Challenges
  - People – Awareness and Skills
  - Infrastructure & Cyber Hygiene
  - Addressing the “Security Ecosystem”
  - Costs of doing security & Sustainability
- Opportunities & Approach
  - Diversify activities & Being Flexible
  - Leverage existing initiatives & collaboration
  - Multi-stakeholder engagement
  - Strategic, management and technical issues



# Areas of Cooperation

## 1. Community Engagement

- CSIRT/CERTs (National and Enterprises)
- Law Enforcement Agencies
- Network operators
- Government

## 2. Threat Sharing

- APNIC Community Honeynet Project
- Threat Information Sharing Initiative
- Action!

## 3. Community Trainers

- Regional resources & expertise



ASEAN CERT/CSIRT Workshop – 2019



Community Honeynet Project

# Takeaways

1. Multiple initiatives & Multi-stakeholders, in parallel
2. Resilience – adapt and response, now (i.e. covid-19)
3. “Maturity” of ~~entity~~ ecosystem
  - Maturity as a “state”



Web Application Security Workshop, Bhutan - 2019

# References

1. APNIC <https://www.apnic.net>
2. APNIC Conference <https://conference.apnic.net>
3. APNIC Foundation <https://apnic.foundation>
4. APNIC Academy <https://academy.apnic.net>
5. Internet Directory : <https://directory.apnic.net/>
6. APNIC Community Honeynet Project :  
<https://blog.apnic.net/2020/07/09/apnic-community-honeynet-project-behind-the-scenes/>

# Thank You

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