

## Summary of ngNOG 12, FCT, Abuja, 30th Oct-04th November, 2017

The twelfth edition of the ngNOG workshop took place in the FCT, Abuja. The second time, the event is being hosted by the Nigeria ICT Forum. Forty-two delegates from 20 institutions participated at this year's event which took place from 30th October – 04th November, 2017. Unfortunately, the event also had a low turn up of delegates which was mostly due to the economic challenges faced by the Country.

A one day conference was held at Hotel Reno, the same venue where participants were accommodated and the technical classes were conducted.

The conference was packed with engaging presentations with opening remarks from Convenor of the Nigeria ICT Forum Dr Aminu Ibrahim. A presentation on Cyberspace/Cyber Norms by Abdulhakeem Ajijola of Consultancy Support Services, Internet of Things by Rev. Sunday Folayan President Nigerian Internet Registration Association (NIRA). Another interesting presentation was by Oyaje Idoko of Layer3 on Building a Smart Campus for 21st Learning & Research. The Conference wrapped up with the discussion on Peering & Interconnection by Dewole Ajao of the Bandwidth Consortium.

The technical workshop had five parallel tracks, namely the System Administration (SA), Internet Services (I.S), Internet Infrastructure (II), Application & Content Development (ACD) and the Domain Name Business which was a track sponsored by the Nigerian Internet Registration Association (NIRA)

The System Administration(SA) track participants performed hands-on virtualization, system installation, file system management, handling system boot procedures, user administration, process management, services and server installation & management, back-ups and remote logins with Ubuntu Linux as the operating system of choice.

The Internet Services track (IS) focused on the design and operation of services running and deployed on networks, with emphasis on scalability and improving service delivery. Sample services covered include DNS, Email, Voice over IP, Authentication, Network monitoring and Virtualization on Linux platforms.

The Internet Infrastructure track (II) was aimed at Internet Protocol Networking; Basic routing; OSPF routing; BGP routing; Management of router configuration; NOC (Network Operations Centre); Internet Exchange Points between networks; Network Security. Network Monitoring and Management tools which include cacti, Nagios and LibreNMS, Basic Wireless infrastructure and Security.

Web server management, applications development, content management systems, learning management systems, content developments (animations, audio editing, video editing etc) were areas of focus in the Application and Content Development track (ACD)

Hosting & Domain Name Business Track Focus is on helping participants understand the business side of Internet services, common tools for managing and supporting web hosting and domain name businesses as well as the roles of global Internet coordinating bodies. It pays particular attention to the domain name system, how to acquire and resell as well as an introduction to Google Tools for business.

The Evening discussions was on the Internet of Things by Rev Sunday Folayan and “Playing a role in the Internet of the Future: Participate in the IETF by Bolanle Akanle Matthew from Covenant University.

#### Appreciation

Our sincere appreciation to our partners and sponsors who have helped kept this event going for twelve years and more. This year’s event was supported by AfriNIC, Internet Society (ISOC), Tinitop Technologies, Nigeria Internet Registration Association (NIRA), Meed Networks, NISTECH and Bandwidth Consortium.

We are grateful to the various Institutions and Firms, who contributed instructors and presenters. They include: Consultancy Support Services, Layer3 Yaba College of Technology, Lagos; University of Jos; Ahmadu Bello University, Zaria; University of Benin; Bayero University Kano; the Bandwidth Consortium; NISTech Ltd; University of Abuja; Eko Konnect; and Federal University of Technology, Akure

On behalf of the ngNOG Admin, we wish to express our appreciation to all the Instructors, conference presenters, interns, local and international partners for their support in cash and in-kind towards the success of the ngNOG 2017 event.

The Nigeria ICT Forum of Partnership Institutions expresses special appreciation to all the organizations that made it possible for their personnel to attend the full week of training either as instructors or as workshop participants.