MPLS Technology & Multiservice Application

APNIC Technical Workshop

November 12 to 15, 2014 bdNOG2, Cox's Bazar, Bangladesh.

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Presenter

Nurul Islam Roman

Senior Training Specialist, APNIC

Nurul manages APNIC training lab and involved in delivering technical training for the APNIC community. He possesses specialized skills in designing and running IPv4/IPv6 routing and switching infrastructure for service provider and enterprise networks. Prior to his current role he looked after the IP and AS number allocations for the APNIC Members.

Following graduation from the UK in computer science technologies, Nurul gained lots of experience working in the ISP industry in the UK and in Bangladesh.

Areas of interests:

Network Architecture & Design Planning, Internet Resource Management, IPv6 Technologies, Routing and Switching Infrastructure, ISP Services, MPLS, OSPF, IS-IS, BGP, Network Security, Internet Routing Registry and RPKI.

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Presenter

Sumon Ahmed Sabir

Sumon Ahmed Sabir, Fiber@Home, Bangladesh.

He is presently working for Fiber@home Limited, which is building Telecom and Internet network infrastructure through out Bangladesh. He also worked for BDCOM Online Limited, one of the leading ISP as Managing Director and CTO for 10 years. Sumon contributed in developing BDIX, the Only Internet Exchange in Bangladesh. He has also volunteered in SANOG and ISPAB in differently capacities.

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Presenter

F.M.Rashed Amin Biddut

F.M.Rashed Amin Biddut, Link3 Technology, Bangladesh.

He is presently working for Link3 Technology as CTO.

Rashed is a visionary leader in technology areas for organizations whose aim is to provide the best possible service to its customers by leveraging Information Technology and Systems.

He is working as Chief Technology officer (CTO) at Link3 Technology, one of the large ISP in Bangladesh. He is the architect of nationwide network infrastructure of Link3.

Rashed loves travelling around, very passionate to speak about technology in public. Internet Industry in Bangladesh knows him as Biddut. He is a trustee board member of bdNOG.

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Overview

Introduction to MPLS & Applications

– Introduction to MPLS
– MPLS Label Distribution Protocol
– Basic MPLS Configuration (Lab Exercise)
– MPLS Layer 3 VPN Concept & Architecture
– MPLS L3 VPN Configuration (Lab Exercise)
– MPLS Layer 2 VPN Concept & Architecture
– MPLS L2 VPN Configuration (Lab Exercise)
– MPLS Traffic Engineering

Agenda for Day 1

Start Time	End Time	Session
9:00 am	10:30 am	Introduction to MPLS
10:30 am	11:00 am	Tea Break
11:00 am	12:30 pm	MPLS Label Distribution Protocol
12:30 pm	2:00 pm	Lunch Break
2:00 pm	3:30 pm	Workshop Module (MPLS LDP Configuration)
3:30 pm	4:00 pm	Tea Break
4:00 pm	5:00 pm	Workshop Module (MPLS LDP Configuration)

Agenda for Day 2

Start Time	End Time	Session
9:00 am	10:30 am	MPLS Layer 3 VPNs Presentation
10:30 am	11:00 am	Tea Break
11:00 am	12:30 pm	MPLS Layer 3 VPNs Presentation
12:30 pm	2:00 pm	Lunch Break
2:00 pm	3:30 pm	Workshop Module (MPLS L3 VPN Lab)
3:30 pm	4:00 pm	Tea Break
4:00 pm	5:00 pm	Workshop Module (MPLS L3 VPN Lab)

Agenda for Day 3

Start Time	End Time	Session
9:00 am	10:30 am	Workshop Module (MPLS L3 VPN Lab continued)
10:30 am	11:00 am	Tea Break
11:00 am	12:30 pm	MPLS L2 VPN Presentation
12:30 pm	2:00 pm	Lunch Break
2:00 pm	3:30 pm	MPLS L2 VPN Presentation
3:30 pm	4:00 pm	Tea Break
4:00 pm	5:00 pm	Workshop Module (MPLS L2 VPN Lab)

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Agenda for Day 4

Start Time	End Time	Session
9:00 am	10:30 am	MPLS Traffic Engineering Presentation
10:30 am	11:00 am	Tea Break
11:00 am	12:30 pm	Workshop Module (MPLS TE Lab)
12:30 pm	2:00 pm	Lunch Break
2:00 pm	3:30 pm	Workshop Module (MPLS TE Lab)
3:30 pm	4:00 pm	Tea Break
4:00 pm	5:00 pm	Q&A

Acknowledgment

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