NREN update

NREN: Lanka Education And Research Network

Country: Sri Lanka

Presenter: Roshan G. Ragel, PhD

The 6th Asi@Connect Project Meeting / 22 July 2019
White House, Universiti Putra Malaysia

European Union
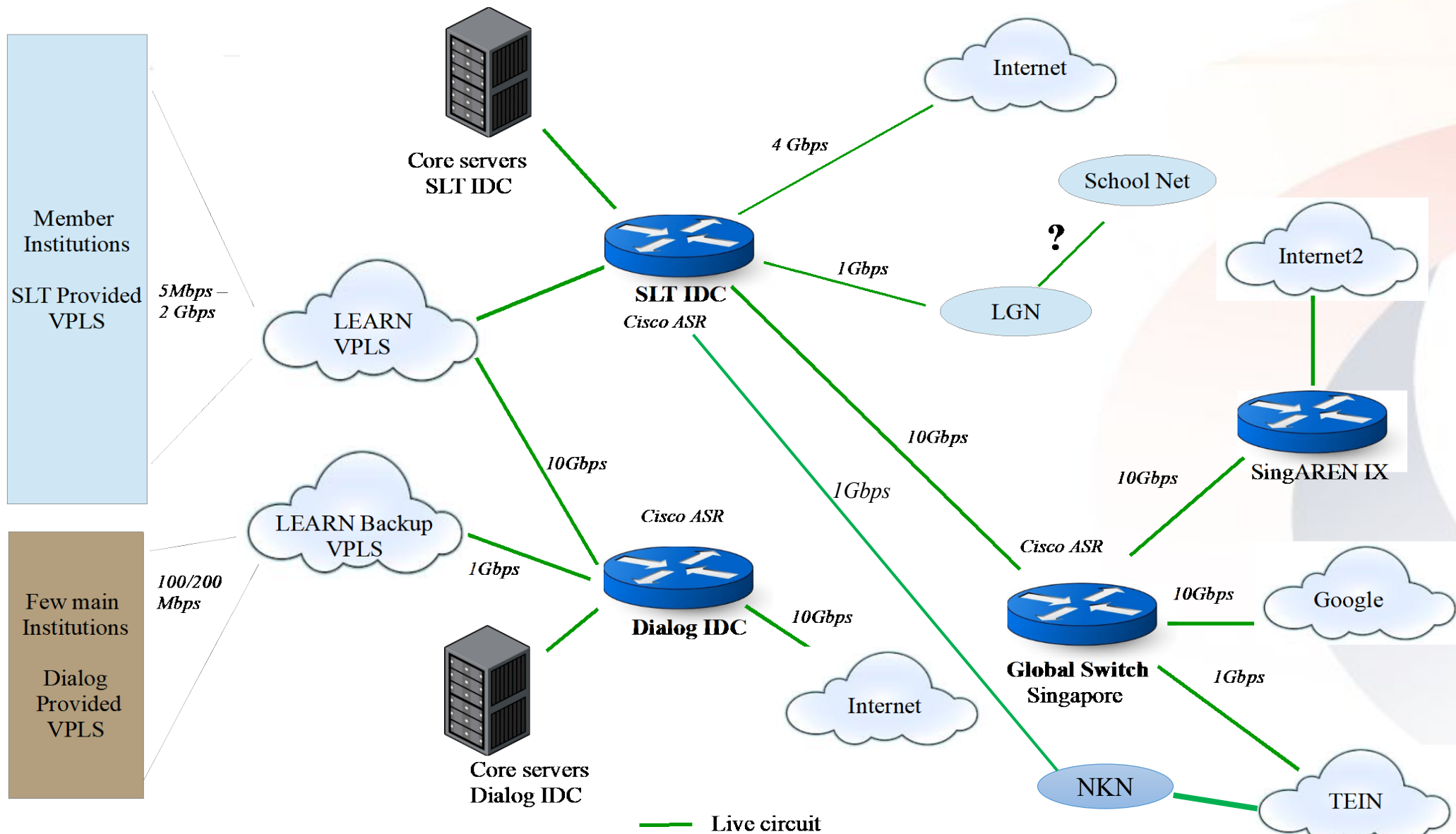
Organization

❖ **NREN :** Lanka Education and Research Network is the NREN (National Research and Education Network) of Sri Lanka

❖ **LEARN Logo:**

❖ **Number of member institutions (connected to your REN) :** 40+ members and 70+ connections

❖ **Backbone :** LEARN backbone have reached up to 20 Gbps (including 3Gbps to REN)

LEARN Services

❖ **LEARN Technical Assistance Centre (LEARN-TAC)**

❖ **LEARN Computer Security Incident Response Team (LEARN-CSIRT)**

❖ **LEARN Eduroam**

❖ **LEARN Identity Access Federation (LIAF)**

❖ **LEARN Video Conferencing System**

LEARN training workshops (Local)

LEARN annually conducts training programs for capacity building in LEARN for its' member institutes.

#	Name of the training workshop (Local workshop)	Date
1	A Seminar on Facilitating Digital Conference Facility	12 July 2019
2	Campus Network Best Practices	11-15 March 2019
3	Federated Identity Management	26-28 September 2018
4	Annual NOC Meeting	12-14 December 2018
5	Workshop on Network Security	12-14 June 2018
6	Annual NOC Meeting Network Monitoring and Measurement	27-29 November 2017
7	Deployment of IPv6 in a Campus Network	22-23 May 2017
8	Linux System Architecture and Administration	26-30 November 2016
9	Annual NOC Meeting with eduroam workshop	4-6 May 2016
10	Annual NOC Meeting and Campus Network Design	23-25 January 2014
11	Campus Network Basics and Troubleshooting	19-20 July 2013

LEARN training workshops (International)

No.	Name of the training workshop (Local workshop)	Date
1	Train the Trainer Program – Facilitating Distance Learning using Digital Conferencing Facility	23-25 April 2019
2	Asi@Connect Local Launch	20 June 2017
3	South Asia Network Operators Group (SANOG-25)	16-24 January 2015

Asi@Connect Project – Phase III, WP3:

❖ **R & E Network Design & Operations and Associated Capacity Development**

Partners: Lanka Education and Research Network (LEARN)

Royal University of Bhutan as a member of DrukREN - Bhutan NREN

Lao Education and Research Network (LERNet)

APNIC-Training

Other Beneficiaries: Afghanistan, Cambodia, Myanmar, Nepal, Philippines and Vietnam

The main purpose of the program is to fulfil the following set of objectives:

- To build the capacity of NREN engineers to manage and maintain their own network

- To secure DNS using DNSSEC and its network facilities and extended its network

- To increase and promote R & E collaboration within the available network

- To assist the community in dealing with IPv6 and others security features.

- To provide direct technical design, optimization of equipment and monitor networks in developing campus network

First Activity: IPv6 Deployment workshop 12-16 Aug '19

https://ipv6.nuol.edu.la/

European Union

TEIN CC COOPERATION CENTER

Asi@Connect

LEARN Future Plan

❖ LEARN's prime objective to increase or double the backbone up to 50 Gbps by year 2021.

❖ To an host international network training workshop in Colombo, Sri Lanka.

❖ To implement LEARN Cloud services to our Members.

❖ Support applications in the fields like genomics, climate research, radio astronomy, materials discovery, humanities and social sciences.

Thank you…!