RENU Metro-eduroam

By

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&

Brian Masiga
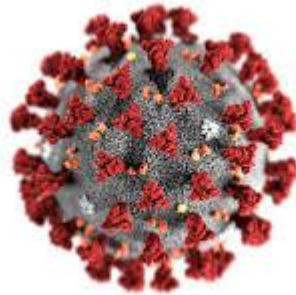bmasiga@renu.ac.ug

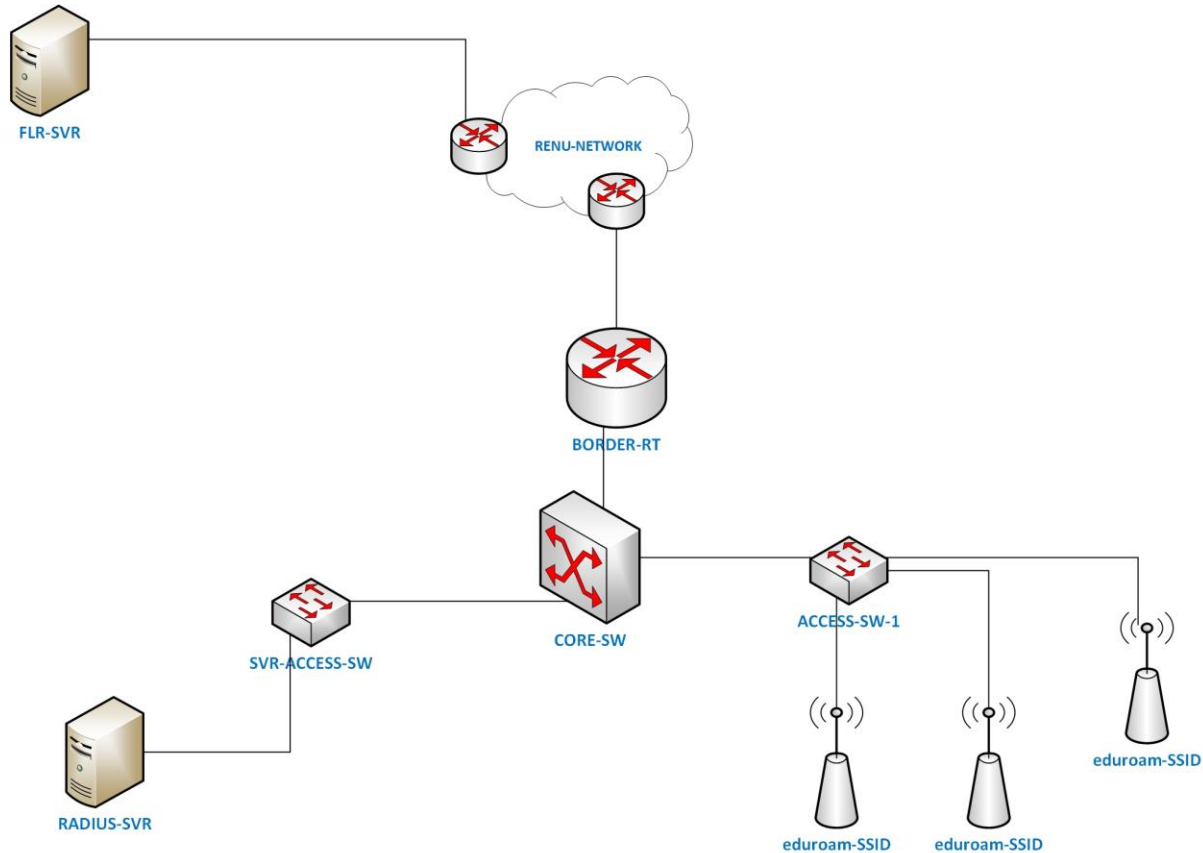# Overview

18th November 2020

Outline

- Why Metro-eduroam
- Metro-eduroam deployment
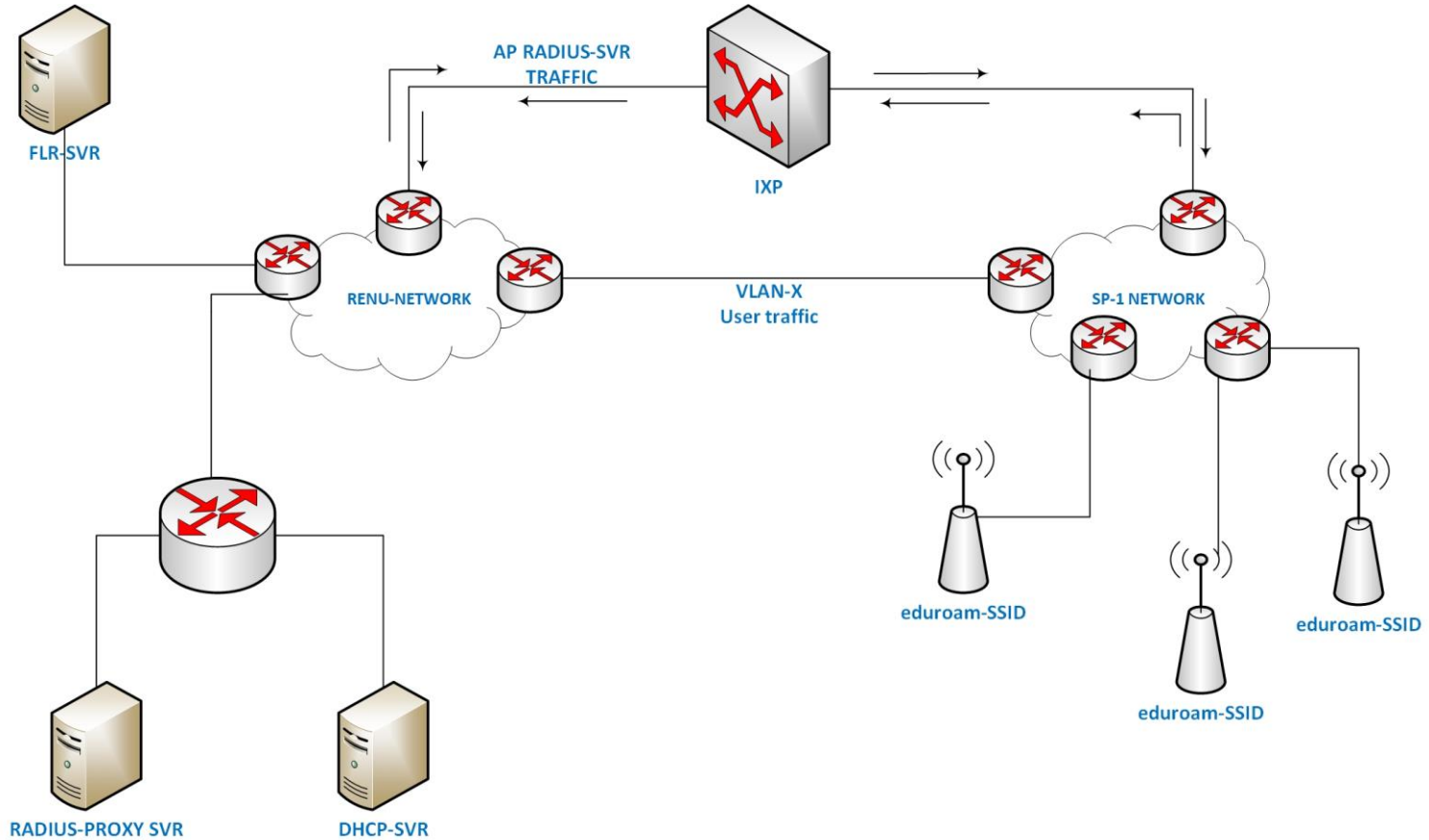- Problems + Challenges
- What next?

Why Metro-eduroam

- eduroam locked inside Campus Network / Boundaries.

- Metro-eduroam breaks the boundaries.

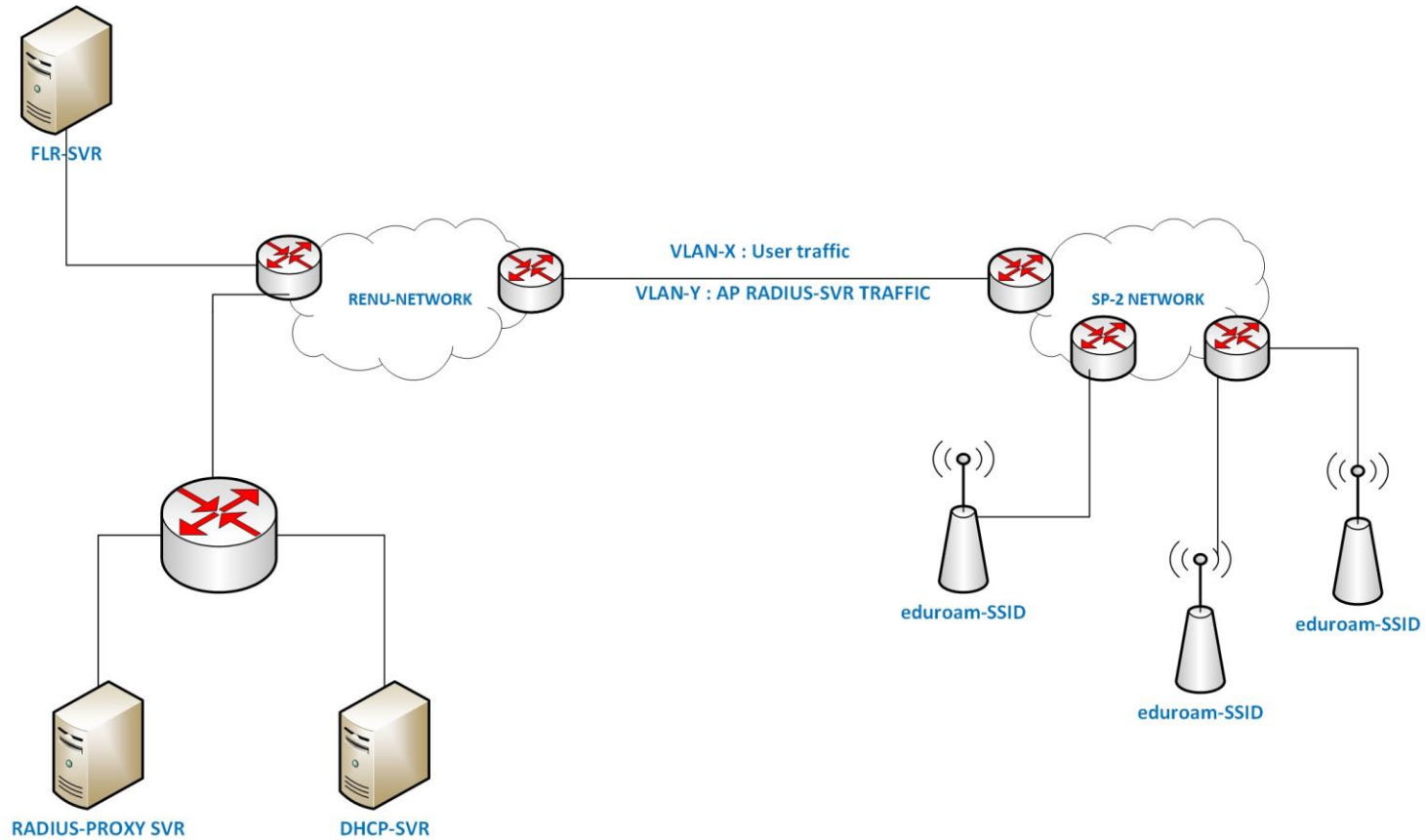- In country lock-down boosted metro-eduroam need.

Traditional eduroam setup

Metro-eduroam Setup - 1

Metro-eduroam Setup - 2

Traffic Profile - Metro-eduroam

- Avg Data Volume - 300 Mega Bytes per Day.

- Maximum Traffic Speed hit - 60 Mbps.

- 135,778 - Sessions recorded.

Benefits of Metro-eduroam

- Increased demand of the free eduroam service.

- Extension of NREN connectivity service.

- Growing Institutional trust in the NREN.

Challenges

- Difficulty to measure or monitor Quality of service.

- APs Locations – No control by NREN + "Meaningful Spots".

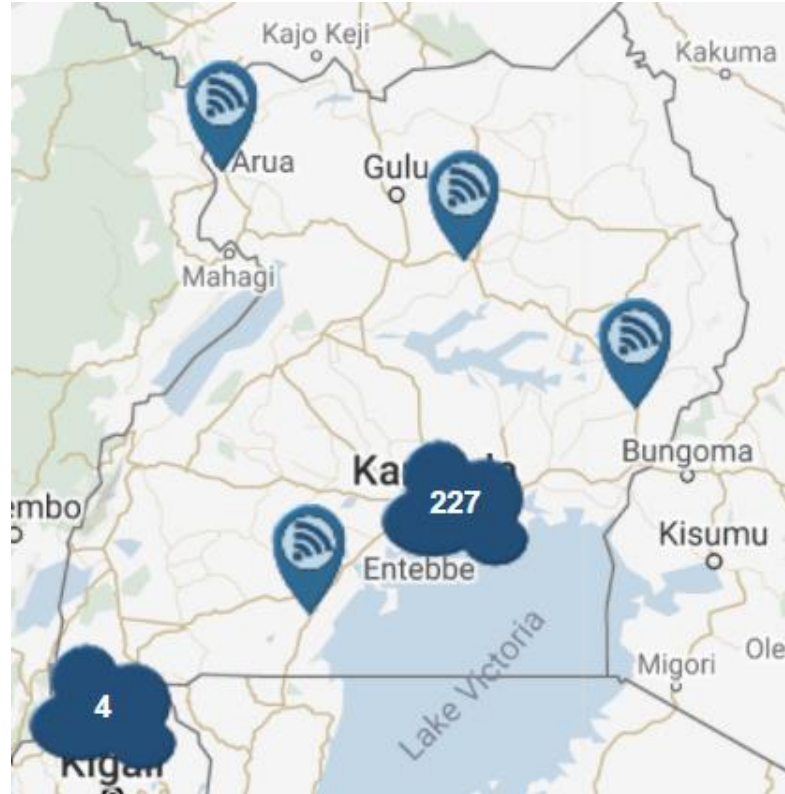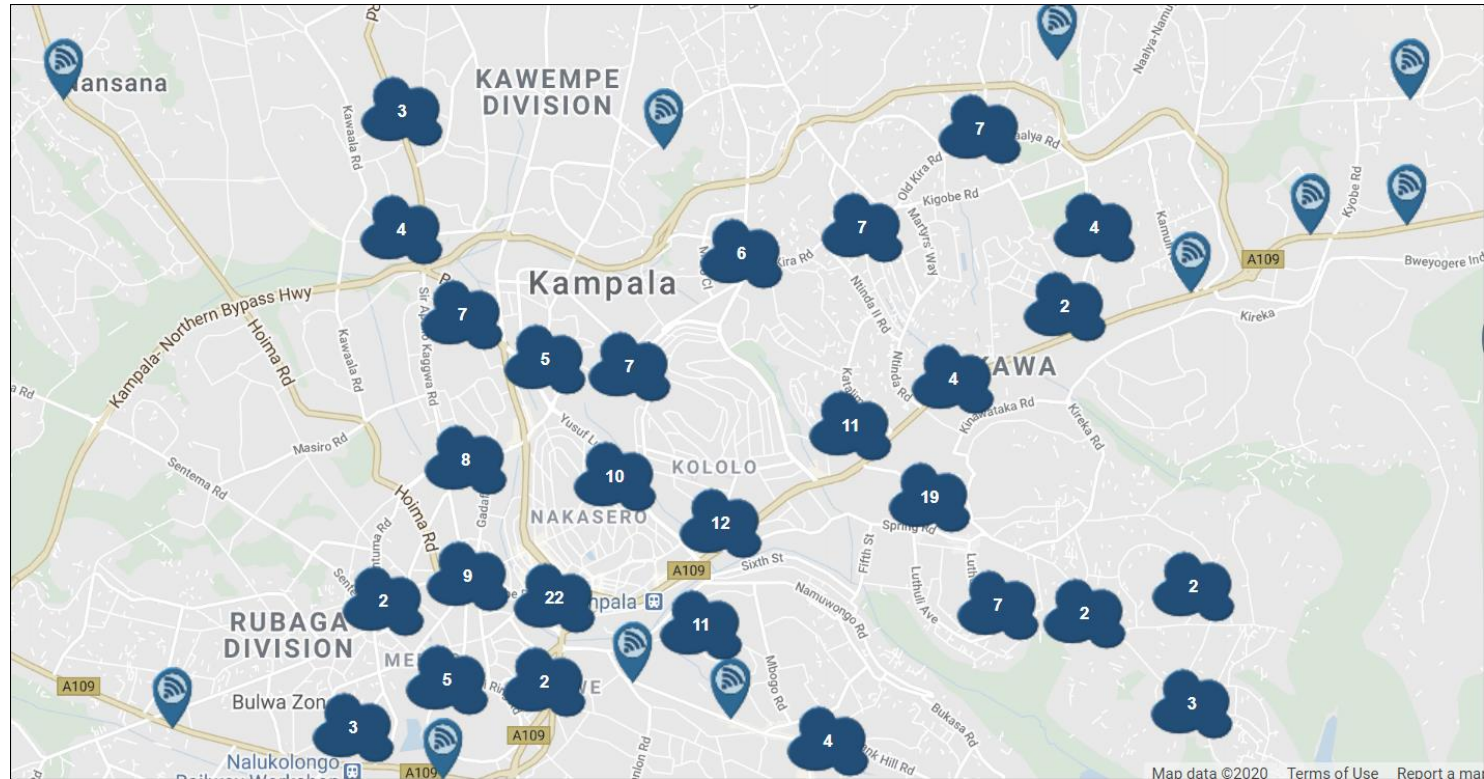- SP Pricing model – Based on Data Volumes or User Sessions.

What Next

- More user training and engagements.

- Explore **WifiMon** for service monitoring.

- Extension of eduroam to Home Users.

- Explore the **Chargeable User Identity**.

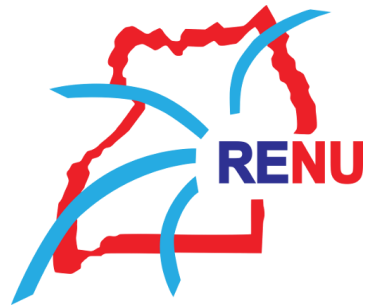# RENU – eduroam Map - eduroam.renu.ac.ug

Metro-eduroam Coverage map

Shouts out to...

- Nicholas Mbonimpa – CEO RENU

- Iffat Khan – CSquared Uganda

- Alex Bazaraki – Roke Telkom

- Fahadi Muhumuza & Olivia Nakayima – Network Engineers.

- Derrick Ssemanda – System Engineer.

THE END

Thank you