eduroam Indonesia Update

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eduroam Indonesia 2016-2017

- It was initiated by TEIN with a workshop that was held in August 2015
- On October 2016, Institut Teknologi Bandung (ITB) was the first university connected to eduroam, and it became the pilot institute to have eduroam, and at the same time, ITB was appointed as first NRO in Indonesia
- On March 2017, Universitas Islam Indonesia (UII) became the second university connected to eduroam
  - On April 2017, UII was appointed as secondary NRO in Indonesia to improve reliability of eduroam Indonesia
- On May 2017, Universitas Gadjah Mada (UGM) become the third university to join eduroam
The Topology

• Eduroam in Indonesia is divided into two areas.
  • Institutions reside on the western part of Indonesia (*West Java, Sumatra, Jakarta, Kalimantan*) will be solely served by the first Federation Level RADIUS (FLR).
  • Institutions reside on the eastern part of Indonesia (*Central Java, Yogyakarta, East Java, Bali, Nusa Tenggara, Sulawesi, Maluku, and West Papua*) will be solely served by the secondary FLR. Both FLR 1 and FLR 2 maintain the same record to handle every “.id” realm that passed from/to eduroam top level.
The Topology
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Promoting eduroam in Indonesia in 2017

• As part of the work conducted by secondary NRO, UII has also main role in promoting eduroam and its technologies to other universities/research institutes in Indonesia
  • UII conducted a webinar (co sponsored by CISCO Systems Indonesia) on April 2017, and was attended by 20 organisations (universities, high schools, public libraries). The focus of the webinar was on the 802.1x technology and eduroam itself
  • UII conducted a FreeRADIUS/eduroam workshop by Aaaran Curdbard from freeRADIUS in September 2017 and was attended by 8 universities and 2 ISPs
Update in 2018

- Since the last workshop (September 2017), more universities have joined eduroam Indonesia:
  - Universitas Negeri Yogyakarta, December 2017
  - Universitas Brawijaya, January 2018
  - Stenden University Bali (branch of Stenden University in Netherland), February 2018 – eduroam SP
  - Universitas Muhammadiyyah Yogyakarta, March 2018 – eduroam SP, will be eduroam IdP on April 2018
  - Universitas Diponegoro, February 2018 – eduroam SP, will be eduroam IdP on April 2018
- In total, we have 8 universities (5 eduroam IdP & 3 eduroam SP)
eduroam Indonesia footprint
Current deployment Method for IdP and SP

- OVF template
Next Development

- Deploying method for IdP and SP eduroam using Docker
- Management configuration FLR using puppet
- Syslog management using graylog
Manageability – Monitoring User Access
Federated Identity
Development in 2018

• Campus identity and Federated Identity
  • Currently UII is developing federated identity using Shibboleth and and ITB is using SAML

Development in ITB

Secured Content
This is some secure content. You should not be able to see it until you have entered your username and password.

Attributes Returned by SAML

REMOTE_USER = Gulam Fakih
Shib-Handler = https://cas-samlp.itb.ac.id/Shibboleth.SSO
Shib-Application-ID = default
Shib-Session-ID = [redacted]
Shib-Identity-Provider = https://login-dev.itb.ac.id/cas/idp
Shib-Session-Index = [redacted]

itb@itb.ac.id
uid = Gulam Fakih

Tolak | Izinkan