



Network Roaming with Certificates

Jim Basney

jbasney@ncsa.uiuc.edu

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Catch-All Roaming Scenario

- A faculty, staff, or student member of an InCommon Higher Education Participant travels to an eduroam-enabled campus and asks, *“Can I use eduroam for guest network access even though my home campus isn’t an eduroam member?”*
 - Does my InCommon SAML IdP logon help?
 - Does my InCommon user certificate help?

Policy Issues

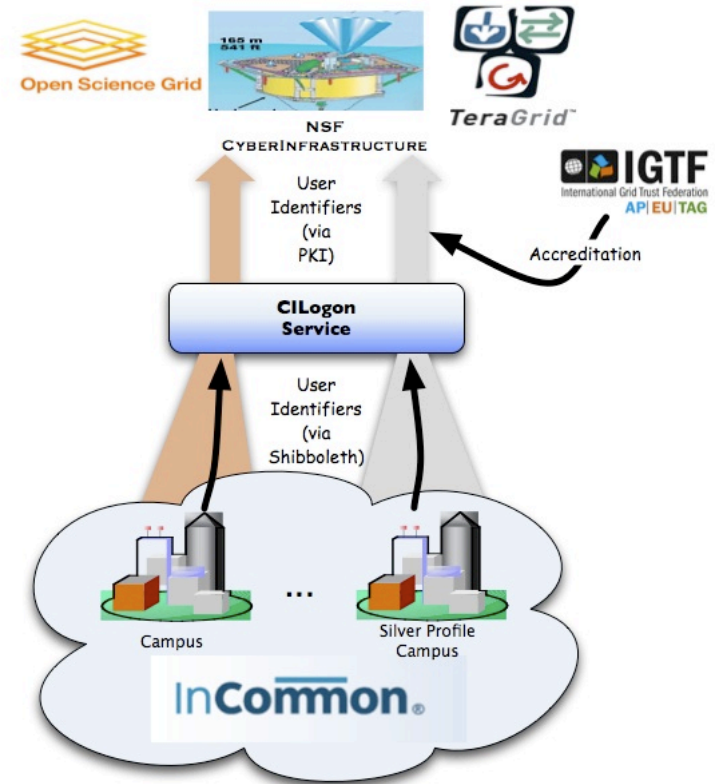
- Should a member from a campus that is not an eduroam subscriber be allowed to use eduroam?
 - Even if that campus is an InCommon Federation Participant or InCommon Certificate Service subscriber?
- We don't want to discourage eduroam subscription

Basic Approach

- Provide a “catch-all” eduroam-us RADIUS server to authenticate users from non-eduroam-enabled InCommon HE Participant home campuses
- Use certificates for authentication
 - Provided by CILogon via InCommon SAML authentication
 - Provided by the InCommon Cert Service

CILogon Project Goal

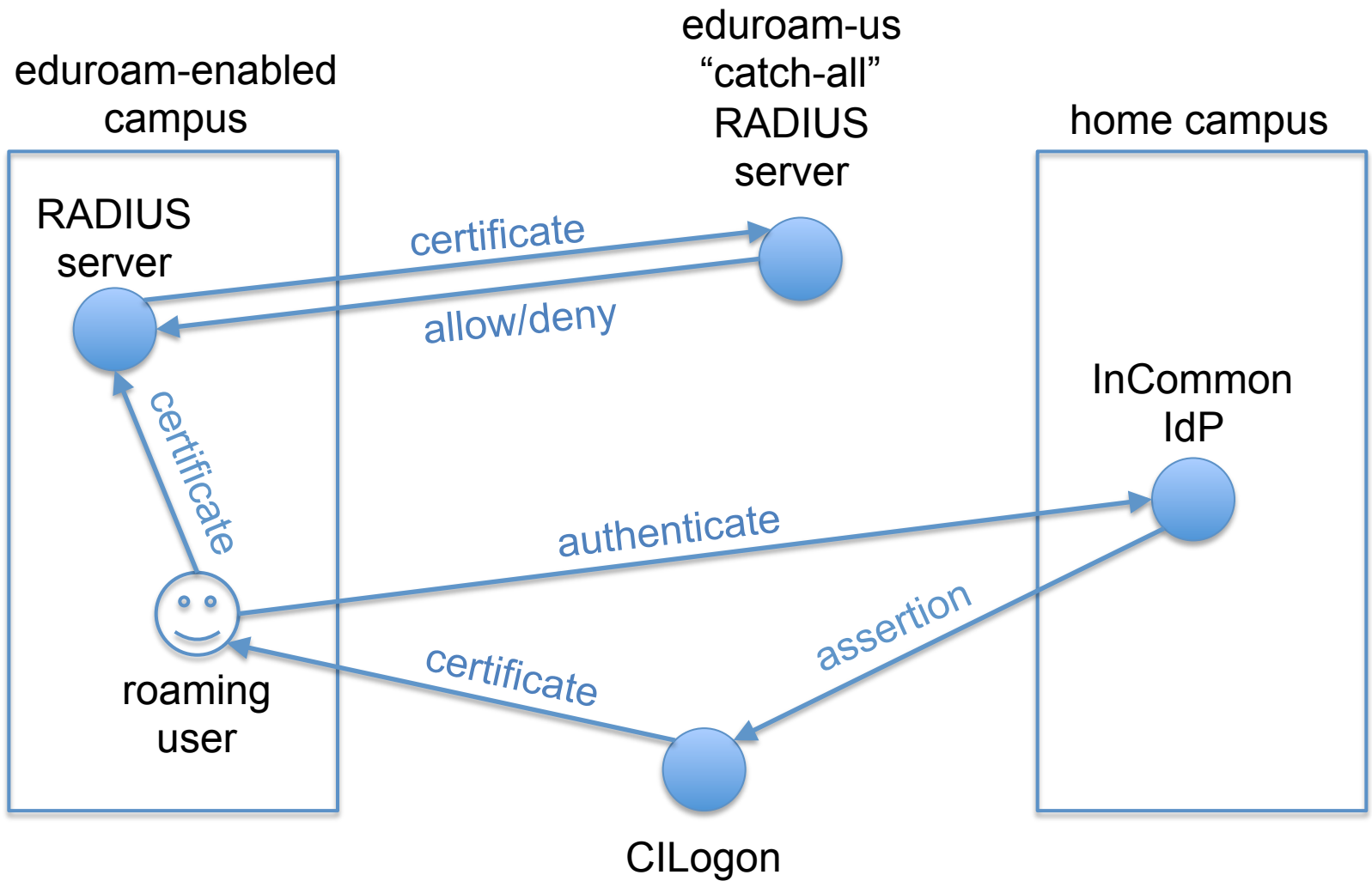
- Enable campus logon to CyberInfrastructure (CI)
 - Use user's existing security credentials from their home institution
 - Ease credential management for users and CI providers



CILogon for eduroam-us

- An experiment
- Provide certificates customized for the eduroam catch-all use case
 - *subjectAltName* set to enable RADIUS routing

The image displays two screenshots of the CILogon service interface. The top screenshot shows the 'Welcome To The CILogon Service' page, which includes a search bar, a dropdown menu for 'Select An Identity Provider' (listing University of Chicago, University of Delaware, University of Illinois at Chicago, and University of Illinois at Urbana-Champaign), a search input field, a 'Remember this selection' checkbox, and a 'Log On' button. The bottom screenshot shows the 'Get Your Certificate' page, which displays certificate details (Certificate Subject: /DC=org/DC=cilogon/C=US/O=University of Illinois at Urbana-Champaign/CN=James Basney A534, Identity Provider: University of Illinois at Urbana-Champaign, Level of Assurance: Basic) and a password protection form (Enter A Password, Confirm Password) with a 'Get New Certificate' button and a 'Log Off' button.



Status

CILogon: operational

CILogon+eduroam: early experimenting

For more info about CILogon:

www.cilogon.org/faq

info@cilogon.org



Powered By
CILogon

Select An Identity Provider:

- University of Chicago
- University of Delaware
- University of Illinois at Chicago
- University of Illinois at Urbana-Champaign

Search:

Remember this selection:

Log On

By selecting "Log On", you agree to [CILogon's privacy policy](#).

For questions about this site, please see the [FAQs](#) or send email to help@cilogon.org.
Know **your responsibilities** for using the CILogon Service.

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Powered By
CILogon



Show Help

Certificate Subject: /DC=org/DC=cilogon/C=US/O=University of Illinois at Urbana-Champaign/CN=James Basney A534
Identity Provider: University of Illinois at Urbana-Champaign
Level of Assurance: Basic

Password Protect Your New Certificate:

Enter A Password: ✓

Confirm Password: ✓

Get New Certificate

[» Click Here To Download Your Certificate «](#)

Link Expires: 04m:31s

Log Off

For questions about this site, please see the [FAQs](#) or send email to help@cilogon.org.
Know **your responsibilities** for using the CILogon Service.

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