

Using a certificate to access eduGAIN services pilot

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Introduction

This pilot aims at demonstrating how researcher could reuse their existing issued X.509 certificates in order to access Services published to eduGAIN.

This pilot showcases how to enable researchers access Services

- Using the X.509 certificates that they already have
- Not forcing them to register/use Home Organization accounts
- Carrying a high LoA (Level of Assurance)

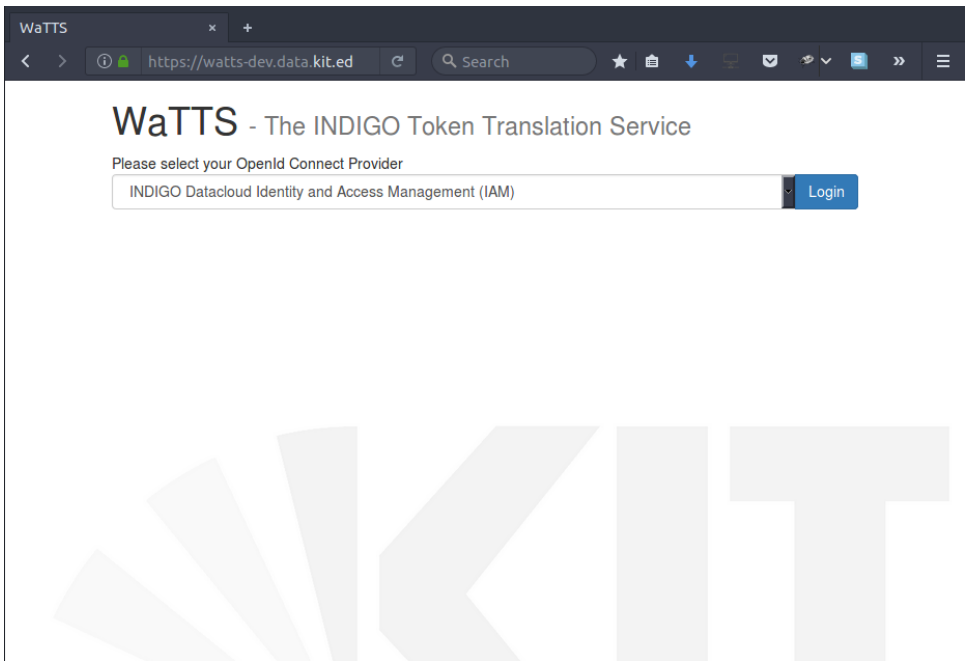
and at the same time enable Services

- To follow the paradigm shift to federated SSO
- To not lose/alienate their user base
- To maintain LoA requirements

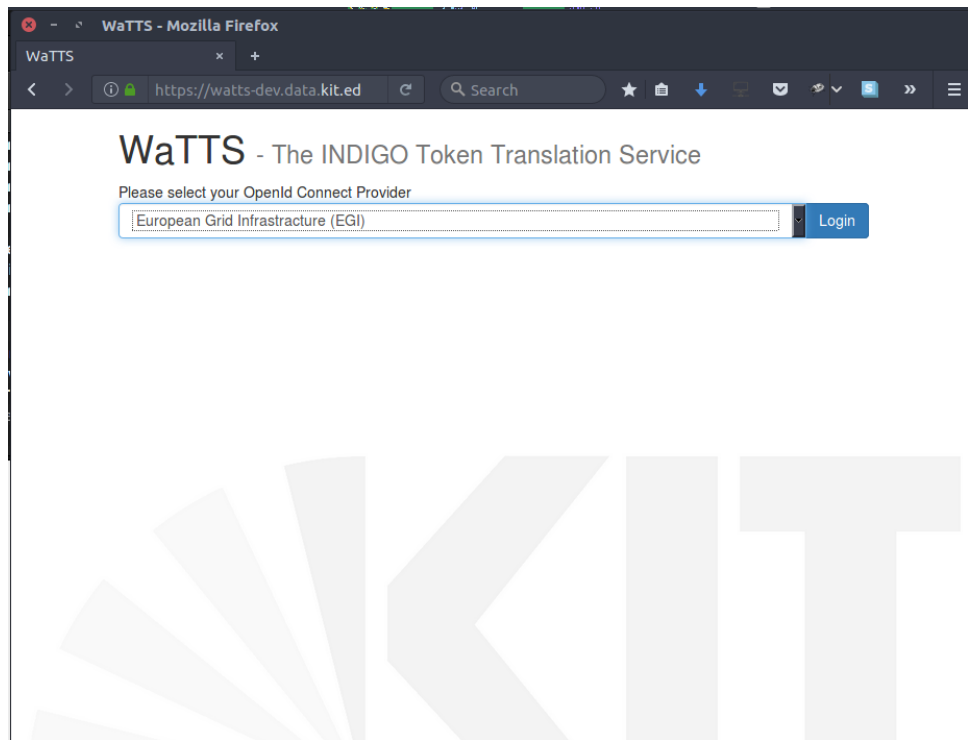
This pilot solution was [presented](#) at the 39th EUGridPMA Firenze meeting

Demonstration

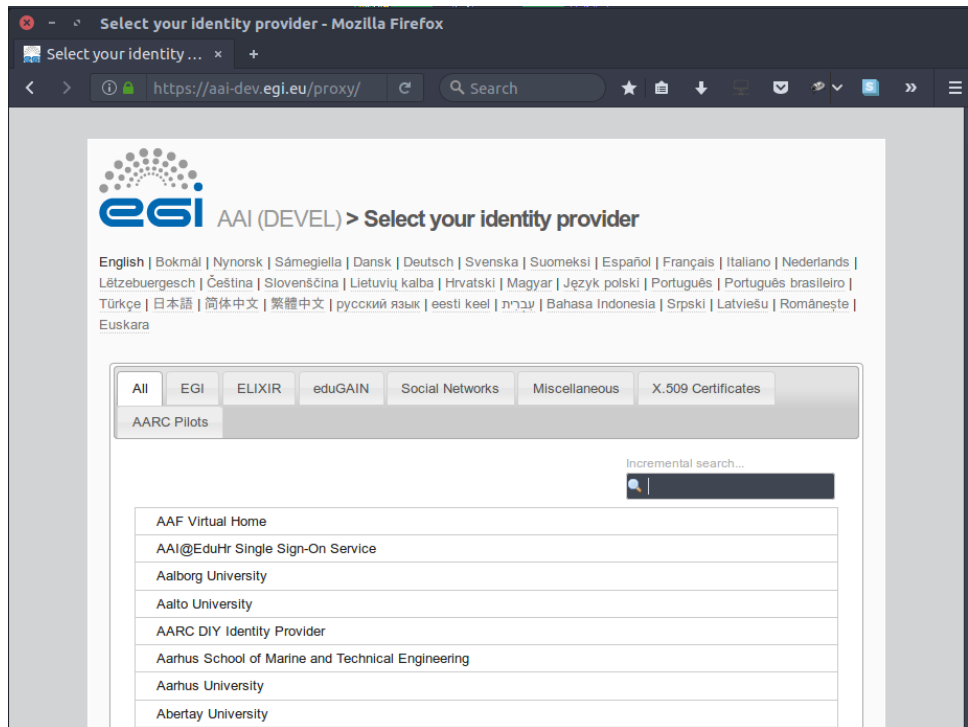
For the purpose of this pilot, the solution has been deployed in a SimpleSAMLphp instance running on `-oceanos` infrastructure and this SimpleSAMLphp based Identity Provider has been added to the EGI development Proxy.

1. Access WaTTS - The INDIGO Token Translation Service at https://watts-dev.data.kit.edu/	 A screenshot of a web browser displaying the WaTTS login page. The browser's address bar shows the URL 'https://watts-dev.data.kit.edu'. The page title is 'WaTTS - The INDIGO Token Translation Service'. Below the title, there is a prompt: 'Please select your OpenId Connect Provider'. A dropdown menu is open, showing 'INDIGO Datacloud Identity and Access Management (IAM)'. To the right of the dropdown is a blue 'Login' button. At the bottom of the page, there is a large, faint watermark logo for 'KIT'.
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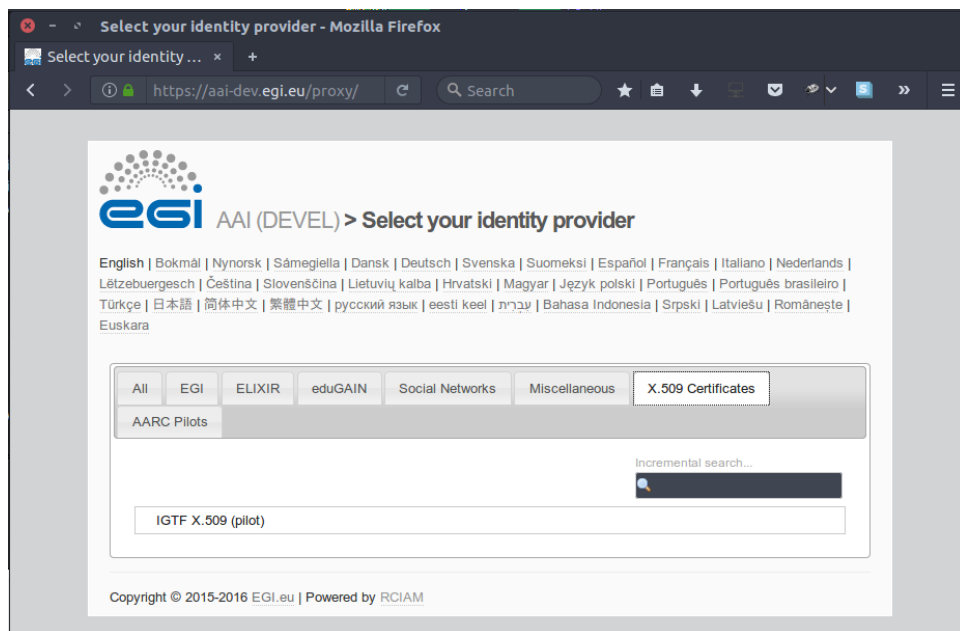
2. Select "European Grid Infrastructure (EGI)" as OpenId Connect Provider and click on Login



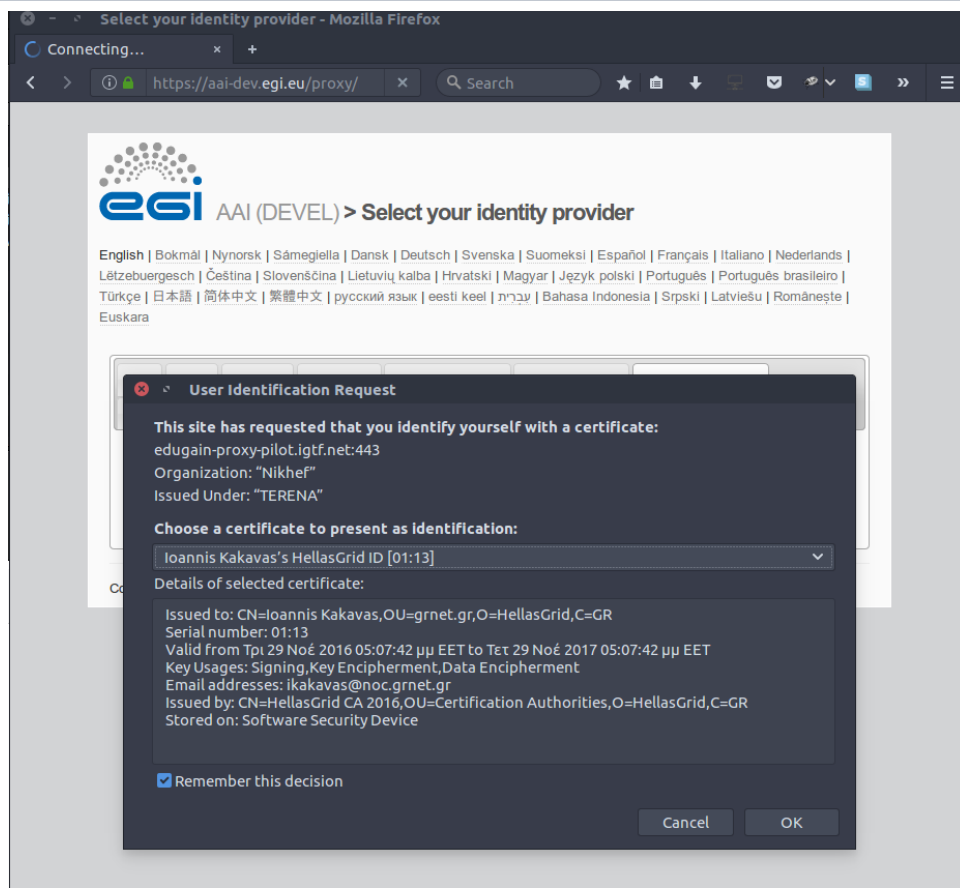
3. On the EGI Identity Provider Proxy, select the X.509 Certificates tab



4. On the X.509 Certificates tab, select the IGTF X.509 (pilot)



5. When prompted by the browser, select the Certificate that you want to use to login to the IGTF X.509 Identity Provider



6. After successful certificate client authentication, you will be presented with the information parsed from the Certificate that will be available as SAML attributes

Consent about releasing personal information - Mozilla Firefox

Consent about rele... x +

https://edugain-proxy-pilot.ig... Search

IGTF-to-eduGAIN Proxy | **Consent about releasing personal information**

English | Bokmål | Nynorsk | Sámegejella | Dansk | Deutsch | Svenska | Suomeksi | Español | Français | Italiano | Nederlands | Lëtzebuergesch | Čeština | Slovenščina | Lietuvių kalba | Hrvatski | Magyar | Język polski | Português | Português brasileiro | Türkçe | 日本語 | 简体中文 | 繁體中文 | русский язык | eesti keel | עברית | Bahasa Indonesia | Srpski | Latviešu | Românește | Euskara

EGI AAI Service Provider Proxy (DEVEL) requires that the information below is transferred.

Remember

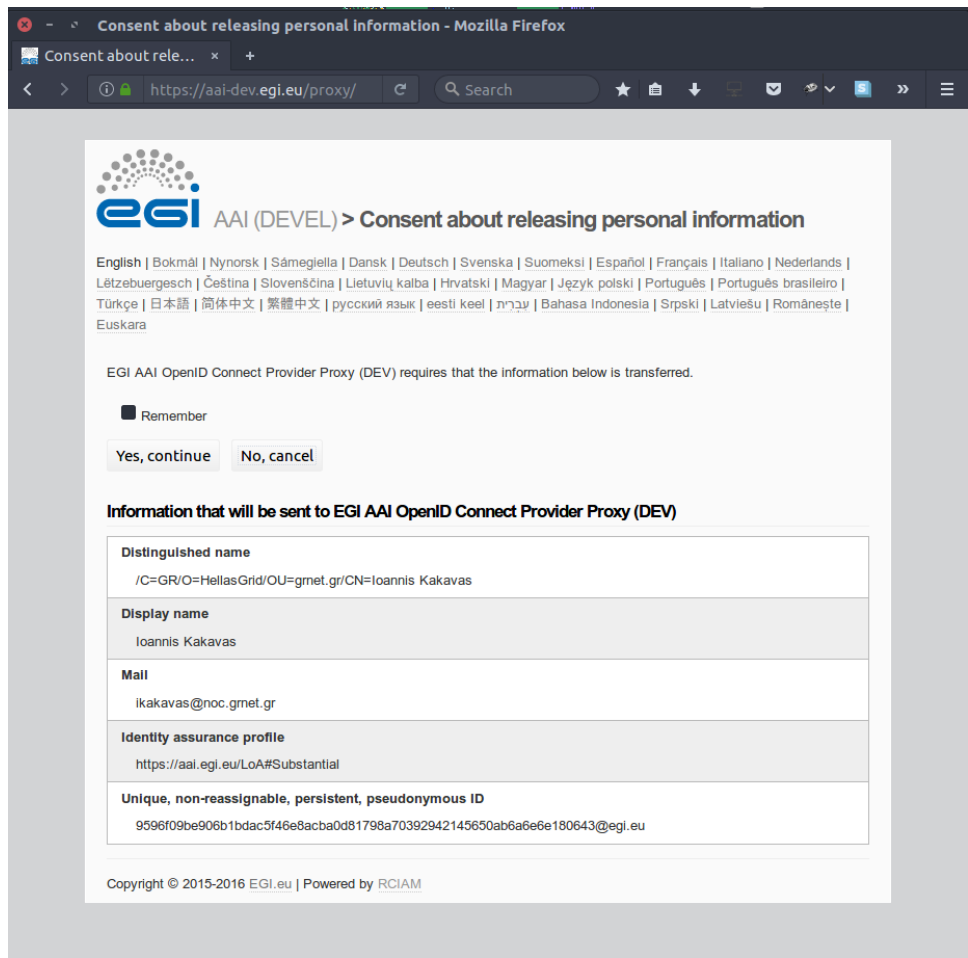
Yes, continue **No, cancel**

Information that will be sent to EGI AAI Service Provider Proxy (DEVEL)

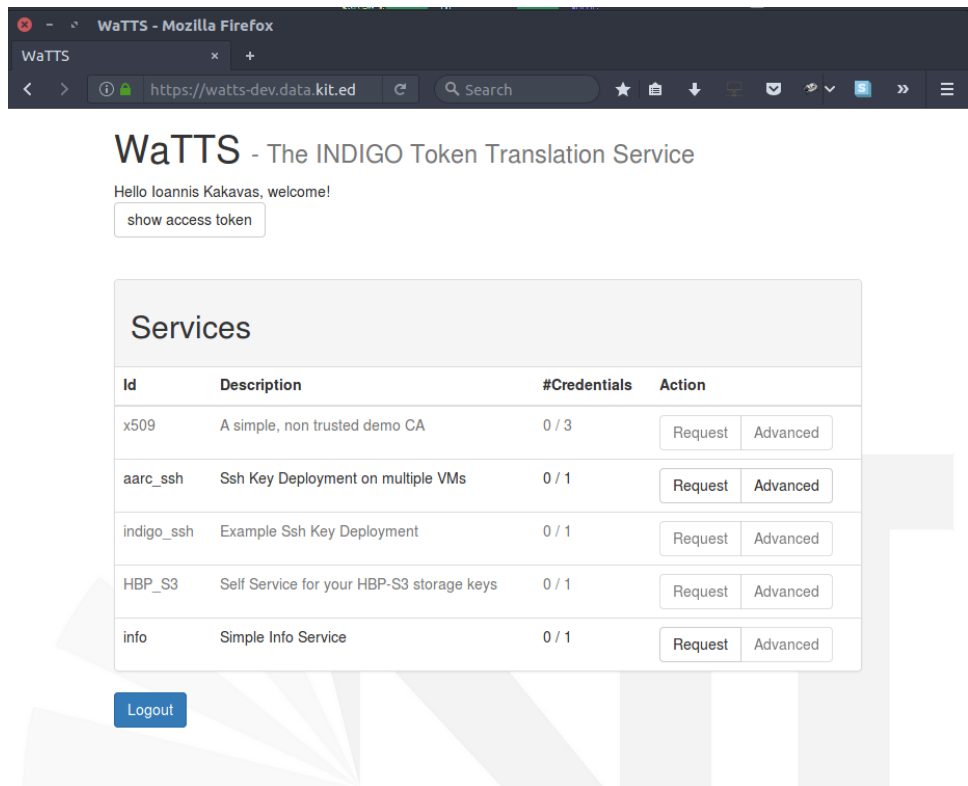
distinguishedName
/C=GR/O=HellasGrid/OU=gmet.gr/CN=Ioannis Kakavas
Display name
Ioannis Kakavas
Mail
ikakavas@noc.gmet.gr
Identity assurance profile
<ul style="list-style-type: none">1.3.6.1.4.1.16515.20.1.1.3.01.2.840.113612.5.2.2.1

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7. Upon giving your consent, you are forwarded to the EGI Identity Provider Proxy where your attributes are possible enhanced or consolidated



8. Upon giving your consent, you are subsequently forwarded to the service you originally tried to access as an authenticated user and carrying the information from your certificate as SAML attributes.



Components

- [SimpleSAMLphp](#) (version 1.14.5)
 - [simplesamlphp-module-authx509tosaml](#)