

# Overview

## First Deployment “Pixie Dust” Technical Description

- Debian Server (Stretch 9.3)
- Memory 1Gb
- 2 CPU
- Hard Disk 5 Gb

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- Apache 2.4.25
- Postfix 3.1.12
- SimpleSamlPHP
- Access Check
- Jagger

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- Apache to Access The server Services
- From Access Check Tool, the “Proving Administration Account” is created.
- The created account is deployed in SimpleSamlPhp config/authsources.php

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- Example of account generated in access check and deployed in SSPHP IdP

```
'user1:{SHA256}xnDV/cKyyB7YrquVrbpbp295SxOBDrc33gP4zbAmo2vg=' => array(
  'internal_uid'           => array('user1'),
  'associatedSP'          => array('https://abuseio.cert.grnet.gr/shibboleth'),
  'cn'                    => array('Gundabald Lightfoot - eduGAIN Access Check account'),
  'sn'                    => array('Lightfoot - eduGAIN Access Check account'),
  'displayName'          => array('Gundabald Lightfoot - eduGAIN Access Check account'),
  'givenName'            => array('Gundabald'),
  'mail'                  => array('gundabald.lightfoot@hademaccesscheckproxy.vm.grnet.gr'),
  'eduPersonAffiliation'  => array('member', 'faculty'),
  'eduPersonScopedAffiliation' => array('member@hademaccesscheckproxy.vm.grnet.gr',
'faculty@hademaccesscheckproxy.vm.grnet.gr'),
  'eduPersonPrincipalName' => array('1@hademaccesscheckproxy.vm.grnet.gr'),
  'schacHomeOrganization' => array('hademaccesscheckproxy.vm.grnet.gr'),
  'schacHomeOrganizationType' => array('urn:schac:homeOrganizationType:int:other'),
),
```



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- At the SSPHP SP part a translation of `internal_uid` and `mail` is added at the remote IdP metadata in order to understand our Jagger app the attributes.
- ```
'authproc' => array(  
    50 => array(  
        'class' => 'core:AttributeCopy',  
        'urn:oid:0.9.2342.19200300.100.1.1' => 'uid',  
        'urn:mace:dir:attribute-def:mail' => 'mail',  
    ),  
)
```



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- Important Session configuration mentions at the SP part of SSPHP and the Jagger app
- ```
'session.cookie.name' => 'SimpleSAMLSession',  
'store.type' => 'memcache',  
'session.phpsession.cookieName' => 'SimpleSAMLSession',  
'session.phpsession.savepath' => '/var/simplesamlphp/sessions',  
'session.phpsession.httponly' => false,
```
- ```
$config['simplesamlphp'] = array(  
    'enabled'=>true,  
    'location'=>'/var/simplesamlphp/www/_include.php',  
    'authsourceid'=>'default-sp',  
    'attributes'=> array('username'=>'uid','mail'=>'mail'),  
    );
```

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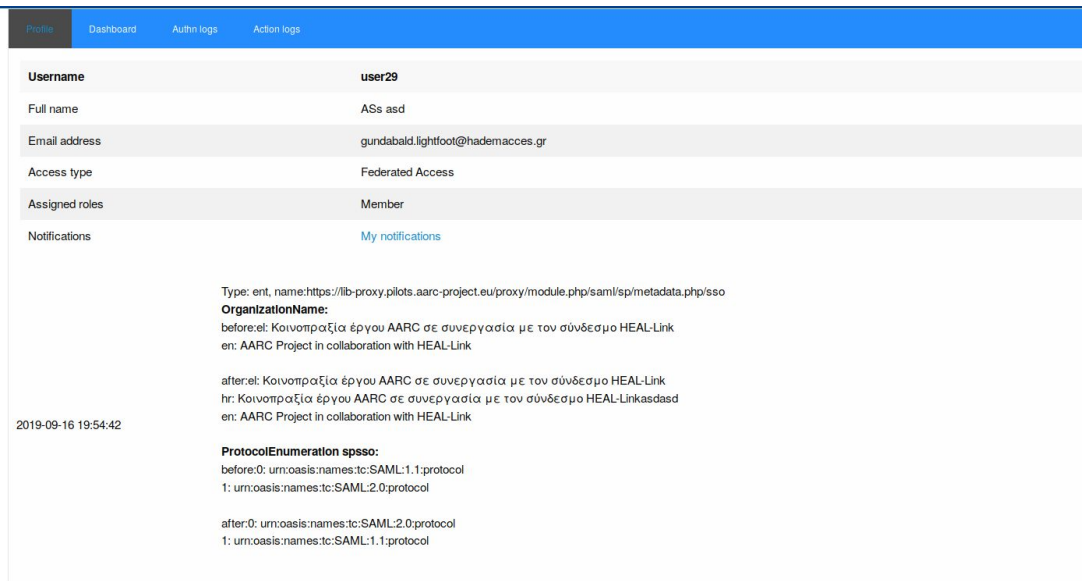
- Visit the Jagger Service
- User asks for federated login with the account created above
- After successful login user can edit his own metadata
- Commit edited metadata for republishing



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- Administrator can access user logs to user changes



The screenshot shows a user profile page with a navigation bar containing 'Profile', 'Dashboard', 'Authn logs', and 'Action logs'. The profile information for 'user29' is as follows:

|                |                                    |
|----------------|------------------------------------|
| Username       | user29                             |
| Full name      | ASs asd                            |
| Email address  | gundabald.lightfoot@hademaccess.gr |
| Access type    | Federated Access                   |
| Assigned roles | Member                             |
| Notifications  | <a href="#">My notifications</a>   |

A log entry is shown for the date 2019-09-16 19:54:42, detailing a change in the 'ProtocolEnumeration spsso' attribute:

```

Type: ent, name=https://lib-proxy.pilots.aarc-project.eu/proxy/module.php/saml/sp/metadata.php/sso
OrganizationName:
before:el: Κοινοπραξία έργου AARC σε συνεργασία με τον σύνδεσμο HEAL-Link
en: AARC Project in collaboration with HEAL-Link

after:el: Κοινοπραξία έργου AARC σε συνεργασία με τον σύνδεσμο HEAL-Link
hr: Κοινοπραξία έργου AARC σε συνεργασία με τον σύνδεσμο HEAL-Linkasdasd
en: AARC Project in collaboration with HEAL-Link

ProtocolEnumeration spsso:
before:0: urn:oasis:names:tc:SAML:1.1:protocol
1: urn:oasis:names:tc:SAML:2.0:protocol

after:0: urn:oasis:names:tc:SAML:2.0:protocol
1: urn:oasis:names:tc:SAML:1.1:protocol
    
```



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- Access check loads its metadata directly from Jagger with a hourly cron
- `www-data curl --silent https://hadem.vm.grnet.gr/rr3/metadata/federation/Grnet/metadata.xml -o /var/lib/access-check/grnet.xml`

# Achievements

