Libraries EZproxy access mode switch pilot

Introduction

Hybrid Authentication is an operational scenarios many libraries are currently involved in: online publishers resources can be accessed both via IP based authentication and through a Web Single-Sign-On Session. AARC aims at promoting the adoption of federated credentials in accessing services; This pilot shows how Libraries can effectively use the OCLC EZproxy tool (which they often already have available, acting as an IP proxy) by levering its Acces Mode Switch feature, once configured accordingly. EZproxy can this act as a switch from IP based proxy to access non federated resources to SAML SSO redirect proxy, to entitle users to federated online resources if they own SAML2-IDP provided credentials.

This feature is of great potential in pushing libraries towards the adoption of federated identities and the provisioning of federated credentials to their users: EZproxy is a very popular tool widely adopted by Libraries worldwide, so the goal of this pilot is to show that, after proper configuration, it enables libraries to provide services to their users via Identity Federations and SAML IDPs.

Detailed description

A detailed description of the aim and approach of this pilot and how it maps to the AARC Blueprint Architecture is available here
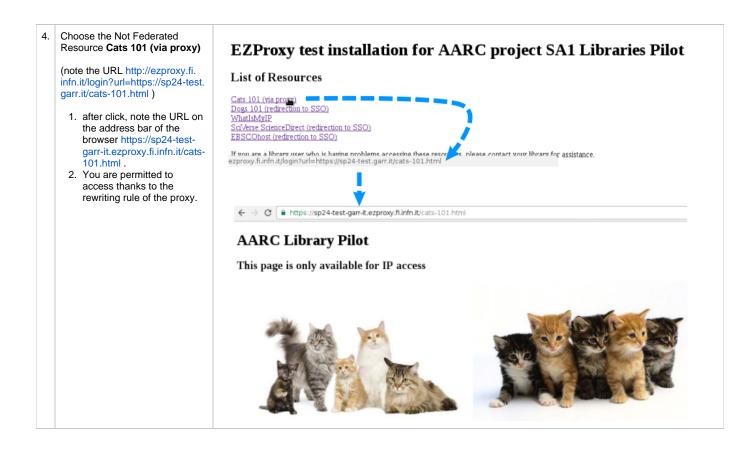
Demonstration Portal

Workflow

For federated users

1.	Access EZ proxy demo instance at https://ezproxy.fi.infn.it/	

| 2. | Login to EZproxy portal with your federated ID:

1. A single direct IdP has been set up on Ezproxy for the purpose of the pilot
2. login with the home organisation credentials (username: test1 and same password) | **Our Identity Provider**
(replace this placeholder with your organizational logo / label)

Login to ezproxy pilot provided by GARR

Username
test1

Password
•••••

☐ Don't Remember Login

☐ Clear prior granting of permission for release of your information to this service.

[Login] › Forgot your password? › Need Help?

🔒 https://login.ezproxy.fi.infn.it/menu

EZProxy test installation for AARC project SA1 Libraries Pilot

List of Resources

Cats 101 (via proxy)
Dogs 101 (redirection to SSO)
WhatIsMyIP
SciVerse ScienceDirect (redirection to SSO)
EBSCOhost (redirection to SSO)

If you are a library user who is having problems accessing these resources, please contact your library for assistance.

If you are the person who installed EZproxy and have any questions regarding it, e-mail support@oclc.org |
| 3. | Choose the Federated Resource **Dogs 101 (redirection to SSO)**

(note the URL http://ezproxy.fi. infn.it/login?url=https://sp24-test. garr.it/dogs-101.html)

1. after click, note the URL on the address bar of the browser https://sp24-test. garr.it/dogs-101.html .
2. Your SAML SSO session is active and the page isn't proxied. | **EZProxy test installation for AARC project SA1 Libraries Pilot**

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🔒 https://sp24-test.garr.it/dogs-101.html

AARC Library Pilot

This page is only available for IP access and SSO |

| 4. | Choose the Not Federated Resource **Cats 101 (via proxy)**

 (note the URL http://ezproxy.fi.infn.it/login?url=https://sp24-test.garr.it/cats-101.html)

 1. after click, note the URL on the address bar of the browser https://sp24-test-garr-it.ezproxy.fi.infn.it/cats-101.html .
 2. You are permitted to access thanks to the rewriting rule of the proxy. | |

For non-federated users

| 1. | Access EZ proxy demo instance at https://ezproxy.fi.infn.it/ | |

2.	Login to EZproxy portal as a library walk-in guest: 1. A single IdP has been set up on Ezproxy for the purpose of this scenario 2. login from an IP address already registered on the idp (please write your IP CIDR to monticini@garr.it) 3. you won't be asked for username / password and your ESPA attribute value is library-walk-in@garr.it	← → C 🔒 https://login.ezproxy.fi.infn.it/menu **EZProxy test installation for AARC project SA1 Libraries Pilot** **List of Resources** Cats 101 (via proxy) Dogs 101 (redirection to SSO) WhatIsMyIP SciVerse ScienceDirect (redirection to SSO) EBSCOhost (redirection to SSO) If you are a library user who is having problems accessing these resources, please contact your library for assistance. If you are the person who installed EZproxy and have any questions regarding it, e-mail support@oclc.org
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| 4. | Choose the Not Federated Resource **Cats 101 (via proxy)**

 (note the URL http://ezproxy.fi.infn.it/login?url=https://sp24-test.garr.it/cats-101.html)

 1. after click, note the URL on the address bar of the browser https://sp24-test-garr-it.ezproxy.fi.infn.it/cats-101.html .
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Components

Benefits

Demo Video

https://drive.google.com/open?id=0B6nLU4k7ZZvfaUM4OTJtTmlFN28

Transcript https://drive.google.com/open?id=0B6nLU4k7ZZvfcGNybTFXZ0VaRlk

Benefts

1. A user use only one unified method of authentication to access both federated and not federated resources
2. For each resource the Library logs the access in a unified way. If a Resource is federated, only federated access will be allowed, and IP based auth wont be permitted anymore. If a Resource is not federated, the user gets the access via IP address auth, and the proxy will log the access o that resource in this way.