D4Science Infrastructure - Task #5422

develop a proxy service to be used for access http external pages from the portal domain

Oct 05, 2016 05:39 PM - Gabriele Giammatteo

Status:	Closed		**Start date:**	Oct 05, 2016
Priority:	High		**Due date:**	
Assignee:	Ciro Formisano		**% Done:**	100%
Category:	Application		**Estimated time:**	0.00 hour
Target version:				
Infrastructure:	Development			

Description
This service should provide a general solution for rendering within the portal external pages that uses the HTTP protocol. At the moment it is forbidden because the portal in HTTPS and a warning is raised (mixed content) in the browser if an HTTP page is requested.

Related issues:		
Blocked by D4Science Infrastructure - Task #6710: virtual machine with apache...	**Closed**	**Jan 30, 2017**

History

#1 - Oct 07, 2016 04:32 PM - Pasquale Pagano

- Priority changed from Normal to High

#2 - Oct 25, 2016 03:05 PM - Francesco Mangiacrapa

- Parent task deleted (#5214)

I'm moving this ticket as related to #5338 instead of subtask.

#4 - Jan 30, 2017 12:20 PM - Ciro Formisano

- Blocked by Task #6710: virtual machine with apache 2.4.8 (or higher) added

#5 - Jan 30, 2017 12:21 PM - Ciro Formisano

- Assignee changed from Gabriele Giammatteo to Ciro Formisano

- % Done changed from 0 to 10

Apache based solution tested internally by ENG: waiting that the infrastructure will be ready to test in dev or test environment (see related tickets)

#6 - Feb 15, 2017 05:13 PM - Ciro Formisano

- Status changed from New to In Progress

After a discussion with @francesco.mangiacrapa@isti.cnr.it it has been agreed to use a solution different than apache. The solution should support BlueBRIDGE security model.

#7 - Feb 15, 2017 05:15 PM - Ciro Formisano

- % Done changed from 10 to 30

I have produced a portlet-based prototype that works on the sample cases that @francesco.mangiacrapa@isti.cnr.it pointed.
@francesco.mangiacrapa@isti.cnr.it, which section in project svn could I use to commit the code?
Second question: could we schedule some simple test before integrating the portlet with the security?

#8 - Feb 15, 2017 06:09 PM - Francesco Mangiacrapa

Ciro Formisano wrote:

> I have produced a portlet-based prototype that works on the sample cases that @francesco.mangiacrapa@isti.cnr.it pointed.
> @francesco.mangiacrapa@isti.cnr.it, which section in project svn could I use to commit the code?

Ciro, I just created http://svn.d4science-ii.research-infrastructures.eu/gcube/trunk/data-access/gcube-http-proxy where you can commit your code.

A best practice on "How to develop a gcube component": can You call your package project "org.gcube.data-access./gcube-http-proxy"? It should be identical to svn path and Etics component.
Again.. I will explain you via skype and/or email how to release your component using our procedures for releasing on Etics.

> Second question: could we schedule some simple test before integrating the portlet with the security?

Sure. If it is a "portlet" You can deploy it on dev environment (i.e. a page of https://dev4.d4science.org/group/nextnext/home, I can deploy it for you). Under that path It is need the portal login to access to the portlet.

#9 - Feb 17, 2017 05:33 PM - Ciro Formisano

- % Done changed from 30 to 60

Servlet deployed on the test environment defined on https://portlet-proxy-d-d4s.d4science.org.
We made two tests on the testbed defined on https://dev4.d4science.org/group/nextnext/test-proxy and directly on the browser:

we used the endpoints: www.repubblica.it and http://geoserver-dev.d4science-ii.research-infrastructures.eu/geoserver/wms/wfs

Both the tests were successful.

After that the servlet was deployed for security reasons.

The next step will be to add the token based security.

#10 - Mar 01, 2017 05:04 PM - Ciro Formisano

- % Done changed from 60 to 80

First version of the servlet released with gCube 4.3.0

#11 - Mar 15, 2017 04:43 PM - Ciro Formisano

Dear @francesco.mangiacrapa@isti.cnr.it, at the TCOM we agreed to consider lists of accessible domains (not full endpoints), that could be downloaded from the IS. Before defining IS accessing criteria, may I have an example of that kind of URL to complete the filter and perform some tests, please?

#12 - Mar 31, 2017 04:33 PM - Ciro Formisano

- Status changed from In Progress to Feedback

- % Done changed from 80 to 100

The proxy service is available, up and running. It gets a list of allowed domains from the Information System in the following structure:

GenericResource
Name: ProxiedDomains
SecondaryType: SecureProxyDomains

```
 <Body>
    <Domains>
        <domain>url</domain>
    </Domains>
 ...
</Body>
```

The url is a domain, this means that if url is allower, also url/localdomain is allowed

Currently this GenericResource is available only in the scope /gcube/devNext/NextNext.

The testbed is available under https://portlet-proxy-d-d4s.d4science.org/httpproxy/proxy/ and it works by appending the url (with or without http): e.g.

https://portlet-proxy-d-d4s.d4science.org/httpproxy/proxy/www.repubblica.it

goes to http://www.repubblica.it if and only if the domain is contained in the list

It asks for the token.

I am also going to add the proxy to the current release (proxy version 2.0.0, since the previous one did not contain the domain filter)

#13 - Apr 27, 2017 06:37 PM - Ciro Formisano

- Status changed from Feedback to Closed

The proxy is up and running and works for not dinamic content

#14 - Jun 05, 2017 03:24 PM - Massimiliano Assante

- Target version deleted (gCube related support)