

Infrastructure - Story #3130

Evaluate CILogon command line authentication mechanism

2012-08-13 16:04 - Dave Vieglais

Status:	Closed	Start date:	2012-08-13
Priority:	Normal	Due date:	2013-01-05
Assignee:	Dave Vieglais	% Done:	100%
Category:	Authentication, Authorization	Estimated time:	0.00 hour
Target version:	Sprint-2012.50-Block.6.4		
Story Points:			

Description

There is an experimental command line authentication module written in perl that might be worth examining, to see if it at least works.

This is available at:

<http://www.cilogon.org/ecp>

It won't work for all identity providers, but may provide the basis for command line retrieval of the client certificate. If it works, then it would be worth evaluating the effort required to implement in Java and/or Python.

History

#1 - 2012-08-31 03:16 - Chris Jones

- Target version changed from Sprint-2012.33-Block.5.1 to Sprint-2012.37-Block.5.3

#2 - 2012-10-11 15:34 - Dave Vieglais

- Due date set to 2012-10-27

- translation missing: en.field_remaining_hours set to 0.0

- Target version changed from Sprint-2012.37-Block.5.3 to Sprint-2012.41-Block.6.1

What are the outcomes from this activity? Documentation, scripts, notes?

#3 - 2012-11-06 18:51 - Dave Vieglais

- Status changed from New to In Progress

- Assignee changed from Roger Dahl to Dave Vieglais

The protocol works fine, but there is a limited set of identity providers that currently support the protocol:

```
mandible:tmp vieglais$ perl ecp.pl --get cert -c create -k userkey.pem -o usercert.pem -t 12
```

Select an Identity Provider (IdP):

1> LTER Network

2> ProtectNetwork

3> University of Chicago

4> University of Washington

5> University of Wisconsin-Madison

6> Specify the URL of another IdP

The protocol appears fairly straight forward to translate to other libraries, but is also fairly simple to shell to perl to perform the login.

#4 - 2012-12-12 16:55 - Chris Jones

- Due date changed from 2012-10-27 to 2013-01-05

- Target version changed from Sprint-2012.41-Block.6.1 to Sprint-2012.50-Block.6.4

#5 - 2012-12-12 18:53 - Dave Vieglais

- Status changed from In Progress to Closed

This approach is tractable, providing that more identity providers are available to support the necessary protocol. There's a general recommendation to setup shibboleth at NCEAS / knb to further expand the possible user base of relevance to DataONE that can authenticate through this mechanism ([#3394](#))