

OpenNebula - Backlog #2553

User activity loggings for DN-based logins and launches

12/10/2013 04:55 PM - Hyunwoo Kim

Status:	Closed	Start date:	12/10/2013
Priority:	High	Due date:	
Assignee:		% Done:	0%
Category:	Core & System	Estimated time:	0.00 hour
Target version:			

Description

We have modified 7 Ruby files and 3 C++ files to implement a new local feature in FermiCloud.

We are logging the user's DN and its signer's DN in oned.log for the following 4 types of events:

1. When a user logs in via CLI
2. When a user logs in via SSI
3. When a user launches a VM via CLI
4. When a user launches a VM via SSI

(CLI=CommandLineInterface, SSI=SunStoneInterface)

We hope that these can be part of OpenNebula standard distribution.

I will describe which files had to be modified for each case.

Below, the paths all assume the source tar ball.

1. Login via CLI

src/cli/oneuser : invokes fcuserlog.

src/cli/one_helper.rb : a new class method fcuserlog is defined here which instantiates a new ClientFC.

src/oca/ruby/opennebula/client.rb : a new class ClientFC is defined here which invokes an XMLRPC connection.

2. Launch via CLI

src/cli/onetemplate : invokes fcuserlog.

3. Login via SSI

src/sunstone/sunstone-server.rb : simply makes an XMLRPC call in def build_session

4. Launch via SSI

src/sunstone/sunstone-server.rb : creates @SunstoneServer in "before do" with clientfc method

src/cloud/common/CloudAuth.rb : defines a new method clientfc

src/sunstone/models/OpenNebulaJSON/TemplateJSON.rb : makes an XMLRPC call here.

5. Server side

include/RequestManagerVMTemplate.h : declares a new class FcuserLogging : public RequestManagerVMTemplate.

src/rm/RequestManagerVMTemplate.cc : defines FcuserLogging::request_execute.

src/rm/RequestManager.cc : registers a new handle that invokes FcuserLogging.

I am attaching a tar ball that includes these 7 Ruby files and 3 C++ files.

Our modifications in each file are enclosed between two comments that start with "FC"

If you have any questions or further requests to improve the codes, please let me know.

HyunWoo KIM

FermiCloud

Related issues:

Related to Backlog # 1615: Add audit trail features

Pending

10/26/2012

History

#1 - 12/28/2013 11:32 PM - Ruben S. Montero*- Status changed from Pending to New***#2 - 12/28/2013 11:44 PM - Ruben S. Montero***- Tracker changed from Feature to Backlog**- Category set to Core & System**- Priority changed from Normal to Low*

Thanks for the feedback. This is related to #1615, audit trails. We need to come out with a general mechanism, to audit each action.

Thanks for your feedback and contribution!

#3 - 12/28/2013 11:45 PM - Ruben S. Montero*- Related to Backlog #1615: Add audit trail features added***#4 - 12/28/2013 11:45 PM - Ruben S. Montero***- Status changed from New to Pending***#5 - 01/20/2014 04:15 PM - Ruben S. Montero***- Priority changed from Low to High***#6 - 01/20/2014 04:50 PM - Ruben S. Montero***- Tracker changed from Backlog to Feature**- Status changed from Pending to New**- Priority changed from High to Normal**- Target version set to Release 4.6***#7 - 01/20/2014 05:36 PM - Hyunwoo Kim***- File fclogging_jan20.tar.gz added*

I updated fclogging/src/oca/ruby/opennebula/client.rb for a typo and uploaded a new tar ball file.

#8 - 01/21/2014 10:35 PM - Hyunwoo Kim*- File fclogging_jan21.tar.gz added*

I modified several files in order to add a new feature which now first checks if the user is using x509 authN method.

If so, it logs the user's DN,

If not, it bypasses.

#9 - 02/25/2014 03:10 PM - Jaime Melis*- Target version changed from Release 4.6 to Release 4.8*

#10 - 06/24/2014 02:16 AM - Ruben S. Montero

- *Tracker changed from Feature to Backlog*
- *Priority changed from Normal to High*

#11 - 06/24/2014 02:34 AM - Ruben S. Montero

- *Target version deleted (Release 4.8)*

#12 - 08/07/2014 10:24 AM - Ruben S. Montero

- *Status changed from New to Pending*

#13 - 03/03/2015 01:46 PM - Ruben S. Montero

- *Status changed from Pending to Closed*

This was implemented by other issues

Files

fclogging.tar.gz	22.3 KB	12/10/2013	Hyunwoo Kim
fclogging_jan20.tar.gz	23.1 KB	01/20/2014	Hyunwoo Kim
fclogging_jan21.tar.gz	25.6 KB	01/21/2014	Hyunwoo Kim