

OpenNebula - Bug #572

Improve Exception choiche for Client class in Java OCA.

04/11/2011 05:16 PM - Gian Uberto Lauri

Status:	Closed	Start date:	04/11/2011
Priority:	Normal	Due date:	
Assignee:	Carlos Martín	% Done:	0%
Category:	Client API & Library	Estimated time:	0.00 hour
Target version:	Release 3.0	Pull request:	
Resolution:	fixed		
Affected Versions:			

Description

Peeking in the code, I discovered that the Client class throws it when it does not find two mandatory resources, the \$ONE_AUTH file and the SHA-1 algorithm.

In my (not so) humble opinion, the use of the raw Exception is not meaningful enough, the use of a OneSetupException would have add NO testing or correctness complication and could be more useful for the coder.

Furthermore, I think these are Errors, not Exceptions since you have no way to recover from one with a try/catch, you have to stop the VM, correct the setup and restart.

I attach a modified version that uses an Error subclass named OpenNebulaConfigurationError. A long name, but nobody else should write it :).

BTW, putting in the Error I discovered that IOExceptions caused by an unreadable ONE_AUTH where not handled and slipped up as normal Exceptions.

If the OpenNebula team wants, may change the superclass and the name of OpenNebulaConfigurationError, but I would like to know it soon since I am working on some OVF aware OCCl interface for the Venus-C project. Thank you,

Associated revisions

Revision b8491fb5 - 07/08/2011 01:17 PM - Carlos Martín

Bug #572: Java OCA, better choice of Exceptions. Thanks to Gian Uberto Lauri <saint@eng.it>

Revision dda3ceaa - 11/14/2017 01:41 PM - Abel Coronado

F #5539: Host capacity take into account Cluster overcommitment (#572)

History

#1 - 04/11/2011 05:27 PM - Gian Uberto Lauri

- File *OpenNebulaConfigurationError.java* added

I realized that Error does not extend Exception but Throwable. I switched to RuntimeException because you should not write a catch block for

OpenNebulaConfigurationError (it is an Error in disguise), but it does not break legacy code. Both versions are interchangeable.

#2 - 04/11/2011 09:04 PM - Ruben S. Montero

- Target version changed from Release 2.2 to Release 3.0

This is initially scheduled for 2.4

#3 - 07/12/2011 02:03 PM - Carlos Martin

- Status changed from New to Closed

- Resolution set to fixed

Files

Client.java	6.77 KB	04/11/2011	Gian Uberto Lauri
OpenNebulaConfigurationError.java	1.52 KB	04/11/2011	Gian Uberto Lauri
OpenNebulaConfigurationError.java	1.62 KB	04/11/2011	Gian Uberto Lauri