

D4Science Infrastructure - VM Creation #8486

Provide a new SmartGears node for resource-checker plugin

May 11, 2017 09:38 AM - Roberto Cirillo

Status:	Closed	Start date:	May 11, 2017
Priority:	Normal	Due date:	
Assignee:	Costantino Perciante	% Done:	100%
Target version:	UnSprintable		
Infrastructure:	Production	Applications list and version:	smart-executor 1.5.0-4.4.0-144722 resource-checker-se-plugin 1.0.0-4.4.0-147153
RAM:	2	Applications context path:	"smart-executor" "whn-manager"
CPU:	1	External storage data disk:	
DiskSpace:	4	Smartgears auth connector:	
Smartgears:	Yes	data transfer enabled:	No
Smartgears Version:	2.1.2-4.4.0-146408	PostgreSQL database:	No
Application Instructions:	resource-checker-se-plugin as smart-executor plugin needs to run on the machine	Number of VMs:	
Smartgears scopes:	/d4science.research-infrastructures.eu		
Description			
It's needed to provide a new VM with the same requirement reported here #8197 for production environment			
Related issues:			
Blocks D4Science Infrastructure - Task #8103: a nagios script must be schedul...		Closed	Apr 12, 2017
Blocked by D4Science Infrastructure - Task #8527: Edit ServiceEndpoint (VREMa...		Closed	May 12, 2017

History

#1 - May 11, 2017 07:44 PM - Andrea Dell'Amico

- Status changed from New to In Progress

resource-checker.d4science.org 146.48.123.124

#2 - May 11, 2017 07:47 PM - Andrea Dell'Amico

- Blocks Task #8103: a nagios script must be scheduled every 24 h to add a list of resources to all scopes added

#3 - May 11, 2017 08:15 PM - Andrea Dell'Amico

- Status changed from In Progress to Feedback

The VM has been configured. I see exceptions in the ghn.log file but I don't know what's wrong:

```
20:09:31.476 [pool-8-thread-2] ERROR SmartExecutorInitializer: Unable to instantiate SmartExecutorPersistence
eConnector for scope /d4science.research-infrastructures.eu/SmartArea. The Service will be aborted
java.lang.IndexOutOfBoundsException: Index: 0, Size: 0
    at java.util.ArrayList.rangeCheck(ArrayList.java:635) ~[na:1.7.0_80]
    at java.util.ArrayList.get(ArrayList.java:411) ~[na:1.7.0_80]
    at org.gcube.vremanagement.executor.persistence.SmartExecutorPersistenceConfiguration.getServiceEndpoi
nt(SmartExecutorPersistenceConfiguration.java:133) ~[SmartExecutorPersistenceConfiguration.class:na]
    at org.gcube.vremanagement.executor.persistence.SmartExecutorPersistenceConfiguration.<init>(SmartExec
utorPersistenceConfiguration.java:55) ~[SmartExecutorPersistenceConfiguration.class:na]
    at org.gcube.vremanagement.executor.persistence.SmartExecutorPersistenceFactory.getPersistenceConnecto
r(SmartExecutorPersistenceFactory.java:55) ~[SmartExecutorPersistenceFactory.class:na]
```

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    at org.gcube.vremanagement.executor.SmartExecutorInitializer.onInit (SmartExecutorInitializer.java:
305) ~[SmartExecutorInitializer.class:na]
    at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call (RegisterApplicationMana
gerObserver.java:157) [common-smartgears-app-2.0.2-4.4.0-144087.jar:na]
    at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call (RegisterApplicationMana
gerObserver.java:138) [common-smartgears-app-2.0.2-4.4.0-144087.jar:na]
    at java.util.concurrent.FutureTask.run (FutureTask.java:262) [na:1.7.0_80]
    at java.util.concurrent.ThreadPoolExecutor.runWorker (ThreadPoolExecutor.java:1145) [na:1.7.0_80]
    at java.util.concurrent.ThreadPoolExecutor$Worker.run (ThreadPoolExecutor.java:615) [na:1.7.0_80]
    at java.lang.Thread.run (Thread.java:745) [na:1.7.0_80]
20:09:31.479 [pool-8-thread-2] WARN RegisterApplicationManagerObserver: error on onInit of org.gcube.vremanag
ement.executor.SmartExecutorInitializer on token c9c304bb-9d85-4577-9acc-c983c9343c64-843339462
java.lang.RuntimeException: java.lang.IndexOutOfBoundsException: Index: 0, Size: 0
    at org.gcube.vremanagement.executor.SmartExecutorInitializer.onInit (SmartExecutorInitializer.java:
309) ~[SmartExecutorInitializer.class:na]
    at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call (RegisterApplicationMana
gerObserver.java:157) [common-smartgears-app-2.0.2-4.4.0-144087.jar:na]
    at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call (RegisterApplicationMana
gerObserver.java:138) [common-smartgears-app-2.0.2-4.4.0-144087.jar:na]
    at java.util.concurrent.FutureTask.run (FutureTask.java:262) [na:1.7.0_80]
    at java.util.concurrent.ThreadPoolExecutor.runWorker (ThreadPoolExecutor.java:1145) [na:1.7.0_80]
    at java.util.concurrent.ThreadPoolExecutor$Worker.run (ThreadPoolExecutor.java:615) [na:1.7.0_80]
    at java.lang.Thread.run (Thread.java:745) [na:1.7.0_80]
Caused by: java.lang.IndexOutOfBoundsException: Index: 0, Size: 0
    at java.util.ArrayList.rangeCheck (ArrayList.java:635) ~[na:1.7.0_80]
    at java.util.ArrayList.get (ArrayList.java:411) ~[na:1.7.0_80]

```

@lucio.lelii@isti.cnr.it @roberto.cirillo@isti.cnr.it any hints?

#4 - May 12, 2017 10:26 AM - Roberto Cirillo

- Status changed from Feedback to In Progress

- Assignee changed from _InfraScience Systems Engineer to Roberto Cirillo

I see several scopes not needed in the container.xml. First of all I'm going to change the scopes.

#5 - May 12, 2017 11:17 AM - Roberto Cirillo

after the restart I see the following exception:

```

11:02:59.691 [pool-8-thread-1] ERROR SmartExecutorInitializer: Unable to instantiate SmartExecutorPersistenc
eConnector for scope /d4science.research-infrastructure.eu. The Service will be aborted
java.lang.IndexOutOfBoundsException: Index: 0, Size: 0
    at java.util.ArrayList.rangeCheck (ArrayList.java:635) ~[na:1.7.0_80]
    at java.util.ArrayList.get (ArrayList.java:411) ~[na:1.7.0_80]
    at org.gcube.vremanagement.executor.persistence.SmartExecutorPersistenceConfiguration.getServiceEndpoint (S
martExecutorPersistenceConfiguration.java:133) ~[SmartExecutorPersistenceConfiguration.class:na]
    at org.gcube.vremanagement.executor.persistence.SmartExecutorPersistenceConfiguration.<init> (SmartExecutor
PersistenceConfiguration.java:55) ~[SmartExecutorPersistenceConfiguration.class:na]
    at org.gcube.vremanagement.executor.persistence.SmartExecutorPersistenceFactory.getPersistenceConnector (Sm
artExecutorPersistenceFactory.java:55) ~[SmartExecutorPersistenceFactory.class:na]
    at org.gcube.vremanagement.executor.SmartExecutorInitializer.onInit (SmartExecutorInitializer.java:305)
~[SmartExecutorInitializer.class:na]
    at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call (RegisterApplicationManagerO
bserver.java:157) [common-smartgears-app-2.0.2-4.4.0-144087.jar:na]
    at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call (RegisterApplicationManagerO
bserver.java:138) [common-smartgears-app-2.0.2-4.4.0-144087.jar:na]
    at java.util.concurrent.FutureTask.run (FutureTask.java:262) [na:1.7.0_80]
    at java.util.concurrent.ThreadPoolExecutor.runWorker (ThreadPoolExecutor.java:1145) [na:1.7.0_80]
    at java.util.concurrent.ThreadPoolExecutor$Worker.run (ThreadPoolExecutor.java:615) [na:1.7.0_80]
    at java.lang.Thread.run (Thread.java:745) [na:1.7.0_80]
11:02:59.693 [pool-8-thread-1] WARN RegisterApplicationManagerObserver: error on onInit of org.gcube.vremanag
ement.executor.SmartExecutorInitializer on token 031d1153-bac6-41fd-b6e3-ded6bece9cf0-843339462
java.lang.RuntimeException: java.lang.IndexOutOfBoundsException: Index: 0, Size: 0
    at org.gcube.vremanagement.executor.SmartExecutorInitializer.onInit (SmartExecutorInitializer.java:309)
~[SmartExecutorInitializer.class:na]
    at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call (RegisterApplicationManagerO
bserver.java:157) [common-smartgears-app-2.0.2-4.4.0-144087.jar:na]
    at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call (RegisterApplicationManagerO
bserver.java:138) [common-smartgears-app-2.0.2-4.4.0-144087.jar:na]
    at java.util.concurrent.FutureTask.run (FutureTask.java:262) [na:1.7.0_80]
    at java.util.concurrent.ThreadPoolExecutor.runWorker (ThreadPoolExecutor.java:1145) [na:1.7.0_80]
    at java.util.concurrent.ThreadPoolExecutor$Worker.run (ThreadPoolExecutor.java:615) [na:1.7.0_80]
    at java.lang.Thread.run (Thread.java:745) [na:1.7.0_80]

```

```
Caused by: java.lang.IndexOutOfBoundsException: Index: 0, Size: 0
    at java.util.ArrayList.rangeCheck(ArrayList.java:635) ~[na:1.7.0_80]
    at java.util.ArrayList.get(ArrayList.java:411) ~[na:1.7.0_80]
    at org.gcube.vremanagement.executor.persistence.SmartExecutorPersistenceConfiguration.getServiceEndpoint(SmartExecutorPersistenceConfiguration.java:133) ~[SmartExecutorPersistenceConfiguration.class:na]
    at org.gcube.vremanagement.executor.persistence.SmartExecutorPersistenceConfiguration.<init>(SmartExecutorPersistenceConfiguration.java:55) ~[SmartExecutorPersistenceConfiguration.class:na]
    at org.gcube.vremanagement.executor.persistence.SmartExecutorPersistenceFactory.getPersistenceConnector(SmartExecutorPersistenceFactory.java:55) ~[SmartExecutorPersistenceFactory.class:na]
    at org.gcube.vremanagement.executor.SmartExecutorInitializer.onInit(SmartExecutorInitializer.java:305) ~[SmartExecutorInitializer.class:na]
    ... 6 common frames omitted
```

This exception is due to an old ServiceEndpoint (VREManagement-SmartExecutorPersistenceConfiguration) present on "/d4science-research-infrastructures.eu" scope. This service endpoint have couchDB as backend while in dev infrastructure we have an OrientDB backend. If this is the case we need to do the following actions:

- upgrade all the SmartExecutor instances in production environment
- update the ServiceEndpoint resource on D4science infrastructure

#6 - May 12, 2017 12:28 PM - Roberto Cirillo

- Blocked by Task #8527: Edit ServiceEndpoint (VREManagement-SmartExecutorPersistenceConfiguration) for smartexecutor in production environment added

#7 - May 12, 2017 12:28 PM - Roberto Cirillo

- Status changed from In Progress to Paused

#8 - May 17, 2017 11:15 AM - Roberto Cirillo

- Status changed from Paused to In Progress

- % Done changed from 0 to 100

#9 - May 17, 2017 11:18 AM - Roberto Cirillo

- Status changed from In Progress to Feedback

@costantino.perciante@isti.cnr.it could you check if the service works properly now, please?

#10 - May 17, 2017 11:19 AM - Roberto Cirillo

- Assignee changed from Roberto Cirillo to Costantino Perciante

#11 - May 17, 2017 06:00 PM - Costantino Perciante

- Status changed from Feedback to Closed

it works! It has been scheduled every 2 hours