D4Science Infrastructure - Task #7133

Create 1 instance of smartgears for service Quota

Feb 16, 2017 02:45 PM - Alessandro Pieve

Status:	Closed		**Start date:**	Feb 16, 2017
Priority:	High		**Due date:**	Feb 27, 2017
Assignee:	Alessandro Pieve		**% Done:**	100%
Category:	Application		**Estimated time:**	0.00 hour
Target version:	Preprod: upgrade 4.3			
Infrastructure:	Development, Pre-Production			

Description
I need a smartgears running only in the root scope. Please increse the permsize for this container using : -XX:PermSize=64m -XX:MaxPermSize=256m

Related issues:				
Related to D4Science Infrastructure - Task #7457: Create new VM for hosting q...		**Closed**	**Mar 09, 2017**	**Mar 13, 2017**

History

#1 - Feb 16, 2017 02:50 PM - Andrea Dell'Amico

Alessandro Pieve wrote:

> Please increse the permsize for this container using : -XX:PermSize=64m -XX:MaxPermSize=256m

Hm. The dev services are supposed to run java 8, where pergen is no more.

I suppose that the VM will need to talk to the dev quota database on dev2.d4science.org?

#2 - Feb 16, 2017 03:39 PM - Alessandro Pieve

yes for talk to the dev quota database

#3 - Feb 24, 2017 10:09 AM - Roberto Cirillo

- Due date set to Feb 27, 2017

This service should go in production in the release 4.3 (with JAVA7) so we need also to have a VM for preproduction environment with JAVA7.
@andrea.dellamico@isti.cnr.it could you provide a new VM with JAVA7 and permgen as requested? I'm going to prepare the Ansible playbook for installing the new service.

The root-VO is shared between preprod and dev environment so we can use only a VM for this ongoing release and postpone the permgen issue.

#4 - Feb 24, 2017 10:11 AM - Roberto Cirillo

I suggest to call the VM for the new quota service as following:

```
quota-d-d4s.d4science.org
```

#5 - Feb 24, 2017 10:12 AM - Roberto Cirillo

- Infrastructure Pre-Production added

#6 - Feb 24, 2017 10:13 AM - Roberto Cirillo

- Target version changed from UnSprintable to Preprod: upgrade 4.3

#7 - Feb 24, 2017 11:49 AM - Andrea Dell'Amico

- Status changed from New to In Progress

Hostname and IP address are going to be: quota-d-d4s.d4science.org 146.48.123.61

#8 - Feb 24, 2017 12:23 PM - Andrea Dell'Amico

- % Done changed from 0 to 40

The VM is up.
I didn't provision it, but I added it to the dev inventory and created two new group_vars directories:

- quota_service, for the part that will be in common between prod and dev
- quota_service_dev, for the dev configuration

I think that you only need to add the correct scopes in group_vars/quota_service_dev/quota_service_dev.yml and then run the smartgears-node.yml role with the -l quota_service parameter.

#9 - Feb 24, 2017 12:30 PM - Roberto Cirillo

perfect. Thanks.

#10 - Feb 24, 2017 04:08 PM - Roberto Cirillo

- Status changed from In Progress to Feedback

- Assignee changed from _InfraScience Systems Engineer to Alessandro Pieve

- % Done changed from 40 to 100

The new service is ready to use but I've see an exception in initialization phase:

```
WARNING: The following warnings have been detected: WARNING: A resource, Resource{"quotaPackageManager", 0 chi
ld resources, 0 resource methods, 0 sub-resource locator, 0 method handler classes, 0 method handler instances
}, with path "quotaPackageManager" is empty. It has no resource (or sub resource) methods neither sub resource
 locators defined.

Exception in thread "Timer-0" java.lang.NoClassDefFoundError: org/gcube/accounting/datamodel/aggregation/Aggre
gatedStorageStatusRecord
        at org.gcube.resource.management.quota.library.quotalist.QuotaType.<clinit>(QuotaType.java:10)
        at org.gcube.resource.management.quota.library.quotedefault.StorageQuotaDefault.getQuotaType(StorageQu
otaDefault.java:40)
        at org.gcube.resource.management.quota.manager.check.QuotaCalculateUtil.verifyListUser(QuotaCalculateU
til.java:76)
        at org.gcube.resource.management.quota.manager.check.QuotaCheck.getQuotaCheck(QuotaCheck.java:79)
        at org.gcube.resource.management.quota.manager.check.QuotaCheckTask.run(QuotaCheckTask.java:52)
        at java.util.TimerThread.mainLoop(Timer.java:555)
        at java.util.TimerThread.run(Timer.java:505)
Caused by: java.lang.ClassNotFoundException: org.gcube.accounting.datamodel.aggregation.AggregatedStorageStatu
sRecord
        at org.apache.catalina.loader.WebappClassLoader.loadClass(WebappClassLoader.java:1719)
        at org.apache.catalina.loader.WebappClassLoader.loadClass(WebappClassLoader.java:1570)
        ... 7 more
```

@alessandro.pieve@isti.cnr.it please could you check it?

#11 - Feb 24, 2017 04:44 PM - Roberto Cirillo

I've installed the smartgears distribution released in 4.3 and the problem seems to be solved.

#12 - Feb 27, 2017 06:00 PM - Alessandro Pieve

- Status changed from Feedback to Closed

#13 - Mar 09, 2017 03:34 PM - Roberto Cirillo

- Related to Task #7457: Create new VM for hosting quota service added