D4Science Infrastructure - Task #12921

RStudio - Does not work correctly on some nodes

Nov 21, 2018 12:16 PM - Giancarlo Panichi

Status:	Closed		**Start date:**	Nov 21, 2018
Priority:	Normal		**Due date:**	
Assignee:	Giancarlo Panichi		**% Done:**	100%
Category:	Application		**Estimated time:**	0.00 hour
Target version:	RStudio - issues			
Infrastructure:	Production			

Description

RStudio does not work correctly on some nodes of the GARR:

```
http://ip-90-147-167-3.ct1.garrservices.it/r-connector/gcube/service/connect?gcube-token=xxxxxxxxx
xxxxx
Error (400) : this resource cannot process this request because it is malformed
Stacktrace:
org.gcube.smartgears.handlers.application.request.RequestException: RConnector cannot be called in
 scope /d4science.research-infrastructures.eu/FARM/GRSF_Admin
    at org.gcube.smartgears.handlers.application.request.RequestError.toException(RequestError.jav
a:110)
    at org.gcube.smartgears.handlers.application.request.RequestError.fire(RequestError.java:94)
    at org.gcube.smartgears.handlers.application.request.RequestValidator.validateScopeCall(Reques
tValidator.java:98)
```

Please @roberto.cirillo@isti.cnr.it, can you check if it's a SmartGear status problem?
Thanks

History

#1 - Nov 21, 2018 12:50 PM - Roberto Cirillo

The problem here seems to be the same verified yesterday on some dataminer instances @garr . The call is rejected because the scope is not present on the container state:

```
2018-11-21 12:03:54,664 [catalina-exec-9] WARN  RequestValidator: rejecting call to RConnector in invalid cont
ext /d4science.research-infrastructures.eu/FARM/GRSF_Admin, allowed context are [/d4science.research-infrastru
ctures.eu/D4OS, /d4science.research-infrastructures.eu/OpenAIRE]
```

In this case the container state contains only the OpenAIRE and D4OS VOs. It doesn't contains the gCubeApps scope and it is very strange because the gCubeApps VO is a very old VO.

In addition, I've notice that the scopes on the container file are duplicates, I've checked more than one VM with the rstudio service @garr and I've found the same problem.
@andrea.dellamico@isti.cnr.it Is it possible that the playbook has been run without the variable smartgears_merge_scopes set to false? If this is the case, a new run is needed on all the rstudio instances @garr.

I've also notice that the rstudio instance deployed @CNR don't have this problem: the scope aren't duplicated.

#2 - Nov 21, 2018 01:01 PM - Andrea Dell'Amico

The playbook run with the same parameters everywhere, I don't really know why some scopes are discarded. Isn't there anything in the logs at the time the servers where restarted?

#3 - Nov 21, 2018 02:31 PM - Roberto Cirillo

There are two problem on garr vms:
The first one is the state, verified on ip-90-147-167-3;
The second one is the scope duplicated: verified on all the garr instances.

For the first problem we haven't any log at restart time, we have only the log reported in my previous comment. The log above appears only when a call is executed on the missing scope .
For the second problem we have the following log at restart time:

```
2018-11-19 16:16:00,866 [localhost-startStop-1] WARN  ContainerManager: the token /d4science.research-infrastr
uctures.eu cannot be used, another token with the same context {} found
```

```
2018-11-19 16:16:00,879 [localhost-startStop-1] WARN  ContainerManager: the token /d4science.research-infrastr
uctures.eu/FARM cannot be used, another token with the same context {} found
2018-11-19 16:16:00,879 [localhost-startStop-1] WARN  ContainerManager: the token /d4science.research-infrastr
uctures.eu/SoBigData cannot be used, another token with the same context {} found
2018-11-19 16:16:00,879 [localhost-startStop-1] WARN  ContainerManager: the token /d4science.research-infrastr
uctures.eu/SmartArea cannot be used, another token with the same context {} found
2018-11-19 16:16:00,880 [localhost-startStop-1] WARN  ContainerManager: the token /d4science.research-infrastr
uctures.eu/gCubeApps cannot be used, another token with the same context {} found
2018-11-19 16:16:00,880 [localhost-startStop-1] WARN  ContainerManager: the token /d4science.research-infrastr
uctures.eu/D4Research cannot be used, another token with the same context {} found
2018-11-19 16:16:00,880 [localhost-startStop-1] WARN  ContainerManager: the token /d4science.research-infrastr
uctures.eu/ParthenosVO cannot be used, another token with the same context {} found
```

I think the second problem could be resolved running again the playbook without the merge of the scopes. Are you agree on that?
For the first problem we need further analysis.

#4 - Nov 21, 2018 03:21 PM - Roberto Cirillo

- Status changed from New to In Progress

I'm going to run the playbook first on ip-90-147-167-3 if all will be successful, I'm going to run it on every garr instances.

#5 - Nov 21, 2018 03:29 PM - Andrea Dell'Amico

Fine by me. To cleanup the duplicate scopes entries, you can run the playbook using the token and disabiling the merge of the existing scopes.

#6 - Nov 21, 2018 03:31 PM - Roberto Cirillo

Not so easy, I've the following error when run the playbook:

```
fatal: [ip-90-147-167-3.ct1.garrservices.it]: UNREACHABLE! => {"changed": false, "msg": "SSH Error: data could
 not be sent to remote host \"ip-90-147-167-3.ct1.garrservices.it\". Make sure this host can be reached over s
sh", "unreachable": true}
```

Any idea?

#7 - Nov 21, 2018 03:35 PM - Andrea Dell'Amico

It seems something transient, I can access and I see you have a shell on that VM.

#8 - Nov 21, 2018 03:42 PM - Roberto Cirillo

It cannot be a ssh problem. I'm able to access in ssh as root and as gcube but when I run the playbook, I've that error. I've tried several times with the same result.

#9 - Nov 21, 2018 03:53 PM - Andrea Dell'Amico

I just run the playbook successfully on all the GARR rstudio servers, this way:

```
./run.sh rstudio.yml -i inventory/hosts.production -l rstudio_garr -t smartgears_conf -e 'gcube_admin_token=<m
y_token>' -e 'smartgears_merge_scopes=False'
```

Can you check if it worked?

#10 - Nov 21, 2018 04:02 PM - Roberto Cirillo

- Assignee changed from Roberto Cirillo to Giancarlo Panichi

Now the scopes are ok. Please @g.panichi@isti.cnr.it Could you repeat the test on ip-90-147-167-3.ct1.garrservices.it?

#11 - Nov 21, 2018 04:09 PM - Giancarlo Panichi

Ok, now it works on ip-90-147-167-3.ct1.garrservices.it for me.

#12 - Nov 21, 2018 04:25 PM - Roberto Cirillo

- Status changed from In Progress to Closed

- % Done changed from 0 to 100

OK. The state has been cleaned properly. I'm going to close this ticket.