

## D4Science Infrastructure - VM Creation #8990

### new instance of FusionRegistry in production

Jun 21, 2017 05:51 PM - Ciro Formisano

<b>Status:</b>	Closed	<b>Start date:</b>	Jun 21, 2017
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	_InfraScience Systems Engineer	<b>% Done:</b>	100%
<b>Target version:</b>	TabMan	<b>Applications list and version:</b>	
<b>Infrastructure:</b>	Production	<b>Applications context path:</b>	
<b>RAM:</b>	4	<b>External storage data disk:</b>	
<b>CPU:</b>	2	<b>Smartgears auth connector:</b>	
<b>DiskSpace:</b>	40	<b>data transfer enabled:</b>	
<b>Smartgears:</b>	Yes	<b>PostgreSQL database:</b>	
<b>Smartgears Version:</b>		<b>Number of VMs:</b>	1
<b>Application Instructions:</b>	A local mysql database is needed.		
<b>Smartgears scopes:</b>	gCubeApps/TabularDataLab		

**Description**

Dear Infra Manager,  
as agreed at the TCOM, we need to bring in production the new version of Fusion Registry (8.x) currently deployed in Dev.  
As suggested by @pasquale.pagano@isti.cnr.it, we should deploy a new clean instance leaving the old one (v 7.x) up and running since, for the moment, it is very difficult to distinguish valid data from noise.  
My personal suggestion is to detach the old version from TabMan leaving the service up and running and asking the communities (starting from FAO) to decide which data should be moved before a certain deadline.  
Please, remember to add username and password on the Information System, as done for dev environment

**Related issues:**

Related to D4Science Infrastructure - Task #9585: FusionRegistry - Update dat...	Closed	Sep 04, 2017
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### History

#### #1 - Jun 22, 2017 06:46 PM - Pasquale Pagano

- Tracker changed from Task to VM Creation
- Project changed from 8 to D4Science Infrastructure
- Category deleted (Default)
- Priority changed from Normal to High
- Target version changed from WP05 to TabMan
- RAM set to 4
- CPU set to 2
- DiskSpace set to 40
- Smartgears set to Yes
- Smartgears scopes updated
- Number of VMs set to 1
- Infrastructure Production added

Please @ciro.formisano@eng.it revise the information that are required to create the VM. I put indicative information for RAM, CPU and all the other information.

**#2 - Jun 23, 2017 11:34 AM - Ciro Formisano**

Dear Lino,  
actually I did not find any hardware requirement in official documentation. About software Tomcat is needed and, obviously, Java, so I think that your features are OK: anyway I would take into account the VM containing the dev instance as reference, in which I am not sure that Fusion Registry is on SmartGears, but I think that Infrastructure Management Group knows it very well.

**#3 - Jun 23, 2017 02:12 PM - Andrea Dell'Amico**

OK. I didn't know that the actual VM was a development one, so it's not properly named. The new one will be fusionregistry.d4science.org.

**#4 - Jun 23, 2017 02:13 PM - Andrea Dell'Amico**

- *Application Instructions updated*

**#5 - Jun 23, 2017 02:22 PM - Ciro Formisano**

Dear Andrea,  
actually I don't know if the original target of that VM was only dev environment. However it is currently (extensively) used for dev operations in dev environment, so I suppose that it can be considered as a dev VM

**#6 - Jun 23, 2017 07:17 PM - Andrea Dell'Amico**

- *Status changed from New to In Progress*

**#7 - Jun 23, 2017 07:17 PM - Andrea Dell'Amico**

smartgears is not running on tabulardata-d4s.d4science.org, btw. Do we need it?

**#8 - Jun 23, 2017 07:37 PM - Pasquale Pagano**

Yes, i think so. It should be the default on all production instances.

**#9 - Jun 26, 2017 12:57 PM - Andrea Dell'Amico**

Pasquale Pagano wrote:

Yes, i think so. It should be the default on all production instances.

OK. I'm adding a gcube-app.xml to fusiondirectory too.

**#10 - Jun 26, 2017 02:35 PM - Andrea Dell'Amico**

- *% Done changed from 0 to 80*

The service is on line, but there's a problem with the authorization.  
The gcube-app.xml file reads:

```
<application mode="online">
  <name>FusionRegistry</name>
  <group>FusionRegistry</group>
  <version>8.4.15</version>
</application>
```

and the log:

```
14:31:28.438 [catalina-exec-2] WARN RequestValidator: rejecting call to FusionRegistry, authorization required
```

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

**#11 - Jun 26, 2017 03:13 PM - Lucio Lelii**

You must exclude gcube authorization in gcube-app.xml file adding this tag

```
<exclude>/*</exclude>
```

**#12 - Jun 26, 2017 03:37 PM - Andrea Dell'Amico**

- *Status changed from In Progress to Feedback*

Lucio Lelii wrote:

You must exclude gcube authorization in gcube-app.xml file adding this tag

<exclude> /\* </exclude>

Thanks, it worked.

The node is online. FusionSecurity is also installed, the fusionregistry root password will be communicated privately.

**#13 - Jun 26, 2017 03:37 PM - Andrea Dell'Amico**

- % Done changed from 80 to 100

**#14 - Jun 27, 2017 03:41 PM - Ciro Formisano**

- Status changed from Feedback to In Progress

Dear Andrea,

probably some more steps are needed to obtain the same configuration of the dev instance (<https://fusionregistry-d4s.d4science.org/FusionRegistry/>). In the new instance the request of username and password to upload objects is not present: furthermore if I use the root credentials you provided me privately on the maintainance tool it seems that they don't work. For the second aspect, please consider that it does not work on the dev instance as well, probably because authentication on HTTP (that is the only supported by the maintainance tool) is disabled and the only authentication enabled is on the home page. So I guess that, by enabling the authentication on <https://fusionregistry.d4science.org/FusionRegistry/>, as done in <https://fusionregistry-d4s.d4science.org/FusionRegistry/> should solve the problem.

**#15 - Jun 27, 2017 05:27 PM - Andrea Dell'Amico**

I checked the static configuration and it's identical on the two instances. It has been provisioned so it's what I expected, but I checked for any manual changes.

I also checked the story of #7192 and I didn't report any operation by me on the GUI, so maybe it's something that @g.panichi@isti.cnr.it configured from the Fusion Security interface?

**#16 - Sep 02, 2017 02:14 PM - Andrea Dell'Amico**

- Status changed from In Progress to Feedback

@g.panichi@isti.cnr.it any news about it?

**#17 - Sep 04, 2017 11:02 AM - Giancarlo Panichi**

TabMan is ready to upgrade to the new version of FusionRegistry.

You can copy the development configuration with FusionRegistry and FusionSecurity to have a configuration for the production.

You should coordinate with @ciro.formisano@eng.it, to copy data from the old to the new registry.

**#18 - Sep 04, 2017 11:25 AM - Ciro Formisano**

I can confirm that everything is OK and we are ready for bringing into production the new version. However, according to some discussion had at FAO during last months, I would involve @anton.ellenbroek@fao.org and @aymen.charef@fao.org who probably would like to discuss about whether and which data should be moved.

**#19 - Sep 04, 2017 11:33 AM - Giancarlo Panichi**

The only configuration that was made is on FusionSecurity where I added the user tabulardata as you see in

<https://fusionregistry-d4s.d4science.org/FusionSecurity/secure/index.html>

**#20 - Sep 04, 2017 01:27 PM - Andrea Dell'Amico**

Giancarlo Panichi wrote:

The only configuration that was made is on FusionSecurity where I added the user tabulardata as you see in

<https://fusionregistry-d4s.d4science.org/FusionSecurity/secure/index.html>

@g.panichi@isti.cnr.it Can you replicate the configuration in production and document the steps somewhere?

**#21 - Sep 04, 2017 02:16 PM - Giancarlo Panichi**

@andrea.dellamico@isti.cnr.it in FusionSecurity you can export and import the configuration directly from the graphical interface, there is a button, it creates an xml file with all the data. This file contains users and passwords, so it must be kept in a safe place.

**#22 - Sep 04, 2017 04:36 PM - Giancarlo Panichi**

- Related to Task #9585: FusionRegistry - Update data in new FusionRegistry 8.4.15 in prod added

**#23 - Sep 04, 2017 04:37 PM - Giancarlo Panichi**

The new version of FusionRegistry 8.4.15 is available for production on:

<https://fusionregistry.d4science.org/FusionRegistry/>

I open a new ticket for moving data between the old and the new registry: Task [#9585](#)

**#24 - Sep 04, 2017 04:40 PM - Giancarlo Panichi**

- *Status changed from Feedback to Closed*

**#25 - Sep 04, 2017 04:57 PM - Andrea Dell'Amico**

I wrote down the steps required to actually activate FusionSecurity inside FusionRegistry here:

[https://support.d4science.org/projects/aginfraplut/wiki/FusionRegistry\\_with\\_FusionSecurity](https://support.d4science.org/projects/aginfraplut/wiki/FusionRegistry_with_FusionSecurity) so that we will not waste another 6 hours when we will need to install another instance.