

## D4Science Infrastructure - Task #12789

### DMPoolManger - Support Python 3.6

Oct 26, 2018 12:12 PM - Giancarlo Panichi

<b>Status:</b>	Closed	<b>Start date:</b>	Oct 26, 2018
<b>Priority:</b>	Normal	<b>Due date:</b>	Nov 19, 2018
<b>Assignee:</b>	Giancarlo Panichi	<b>% Done:</b>	100%
<b>Category:</b>	Application	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	DMPoolManager - Support Algorithms Integration		
<b>Infrastructure:</b>	Development, Pre-Production		

#### Description

We need to support the installation of algorithms written with Python3.6.

For this it is necessary that in the DMPoolManager the management of the dependencies list is modified and is updated the Resource on the IS that contains this information.

The changes to the DMPoolManager code on trunk have already been done by me, so can you check that everything works correctly?

For the Resource instead two lines should be added with the element:

```
<deps-python3_6 />
```

Report the change to the resource below:

```
<Resource version="0.4.x">
  <ID>a38af35c-f822-4bc2-8846-e51671185cc8</ID>
  <Type>GenericResource</Type>
  <Scopes>
    <Scope>/gcube/preprod</Scope>
    <Scope>/gcube/preprod/preVRE</Scope>
  </Scopes>
  <Profile>
    <SecondaryType>DMPMConfigurator</SecondaryType>
    <Name>DataMinerPoolManagerConfigurator</Name>
    <Description />
    <Body>
      <svn.repository>https://svn.d4science.research-infrastructures.eu/gcube</svn.repository>

      <svn.algo.main.repo>/trunk/data-analysis/DataMinerConfiguration/algorithms</svn.algo.main
.repo>
      <stage>
        <ghost>dataminer-ghost-t.pre.d4science.org</ghost>
        <algorithms-list>/trunk/data-analysis/DataMinerConfiguration/algorithms/preprod/algori
thms</algorithms-list>
        <software.repo>/trunk/data-analysis/DataMinerConfiguration/algorithms/preprod/software
</software.repo>
        <algo.ghost.repo>/home/gcube/wps_algorithms/algorithms/preprod/software</algo.ghost.re
po>
        <deps-linux-compiled>/trunk/data-analysis/RConfiguration/RPackagesManagement/r_deb_pkg
s.txt</deps-linux-compiled>
        <deps-pre-installed>/trunk/data-analysis/RConfiguration/RPackagesManagement/r_deb_pkgs
.txt</deps-pre-installed>
        <deps-r-blackbox>/trunk/data-analysis/RConfiguration/RPackagesManagement/r_deb_pkgs.tx
t, /trunk/data-analysis/RConfiguration/RPackagesManagement/r_cran_pkgs.txt, /trunk/data-analysis/R
Configuration/RPackagesManagement/r_github_pkgs.txt</deps-r-blackbox>
        <deps-r>/trunk/data-analysis/RConfiguration/RPackagesManagement/r_deb_pkgs.txt, /trunk
/data-analysis/RConfiguration/RPackagesManagement/r_cran_pkgs.txt, /trunk/data-analysis/RConfigura
tion/RPackagesManagement/r_github_pkgs.txt</deps-r>
        <deps-java />
        <deps-knime-workflow />
        <deps-octave />
        <deps-python />
```

```

        <deps-python3_6 />
        <deps-windows-compiled />
    </stage>
    <prod>
        <ghost />
        <algorithms-list>/trunk/data-analysis/DataMinerConfiguration/algorithms/prod/algorithm
s</algorithms-list>
        <software.repo>/trunk/data-analysis/DataMinerConfiguration/algorithms/prod/software</s
oftware.repo>
        <algo.ghost.repo>/home/gcube/wps_algorithms/algorithms/prod/software</algo.ghost.repo>

        <deps-linux-compiled>/trunk/data-analysis/RConfiguration/RPackagesManagement/r_deb_pkg
s.txt</deps-linux-compiled>
        <deps-pre-installed>/trunk/data-analysis/RConfiguration/RPackagesManagement/r_deb_pkg
s.txt</deps-pre-installed>
        <deps-r-blackbox>/trunk/data-analysis/RConfiguration/RPackagesManagement/r_deb_pkg
s.txt, /trunk/data-analysis/RConfiguration/RPackagesManagement/r_cran_pkgs.txt, /trunk/data-analysis/R
Configuration/RPackagesManagement/r_github_pkgs.txt</deps-r-blackbox>
        <deps-r>/trunk/data-analysis/RConfiguration/RPackagesManagement/r_deb_pkgs.txt, /trunk
/data-analysis/RConfiguration/RPackagesManagement/r_cran_pkgs.txt, /trunk/data-analysis/RConfigura
tion/RPackagesManagement/r_github_pkgs.txt</deps-r>
        <deps-java />
        <deps-knime-workflow />
        <deps-octave />
        <deps-python />
        <deps-python3_6 />
        <deps-windows-compiled />
    </prod>
</Body>
</Profile>
</Resource>

```

Ciro, these changes should be reported in both Dev and Preprod because StorageHub currently only works in Preprod. Please, can you coordinate with @roberto.cirillo@isti.cnr.it for Preprod?

Thanks

#### Related issues:

Related to D4Science Infrastructure - Task #12742: DataMiner - Support Python...	Closed	Oct 19, 2018	Nov 19, 2018
Related to D4Science Infrastructure - Upgrade #12865: D4Science Root VO upgra...	Completed	Nov 19, 2018	Nov 19, 2018

#### History

##### #1 - Oct 26, 2018 12:27 PM - Giancarlo Panichi

- Related to Task #12742: DataMiner - Support Python 3.6 added

##### #2 - Oct 26, 2018 12:32 PM - Giancarlo Panichi

- Description updated

##### #3 - Nov 07, 2018 10:17 AM - Giancarlo Panichi

- Status changed from New to In Progress

- Assignee changed from *Ciro Formisano* to *Giancarlo Panichi*

I have updated the DMPoolManager to support Python 3.6.  
Currently the solution is being tested if it works will be released in gCube 4.13, in this case all the DataMiner will also be updated.

##### #4 - Nov 12, 2018 10:27 AM - Giancarlo Panichi

- % Done changed from 0 to 100

The tests have been successful, everything works correctly.  
The support to Python 3.6 will be released in gCube 4.13.  
During the release, the resources of the DMPoolManager and of the SAI must be updated.

##### #5 - Nov 13, 2018 10:16 AM - Roberto Cirillo

- Related to Upgrade #12865: D4Science Root VO upgrade to gCube 4.13 added

**#6 - Nov 22, 2018 03:37 PM - Giancarlo Panichi**

- *Due date set to Nov 19, 2018*

- *Status changed from In Progress to Closed*

The component has been released in gCube 4.13 see ticket #12440