

D4Science Infrastructure - Support #306

Install additional R packages on the Worker nodes to support IRD - IFREMER computations

Jun 25, 2015 03:12 PM - Gianpaolo Coro

|                                                                                                                                                                                                                                                                                                    |                   |                        |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------|--------------|
| <b>Status:</b>                                                                                                                                                                                                                                                                                     | Closed            | <b>Start date:</b>     | Jun 26, 2015 |
| <b>Priority:</b>                                                                                                                                                                                                                                                                                   | Normal            | <b>Due date:</b>       |              |
| <b>Assignee:</b>                                                                                                                                                                                                                                                                                   | Andrea Dell'Amico | <b>% Done:</b>         | 100%         |
| <b>Category:</b>                                                                                                                                                                                                                                                                                   | Other             | <b>Estimated time:</b> | 0.00 hour    |
| <b>Infrastructure:</b>                                                                                                                                                                                                                                                                             | Production        |                        |              |
| <b>Description</b>                                                                                                                                                                                                                                                                                 |                   |                        |              |
| The following packages are required on the Worker nodes machines both in the development and the production environments.                                                                                                                                                                          |                   |                        |              |
| In the following I report the details:                                                                                                                                                                                                                                                             |                   |                        |              |
| PLYR:<br>available here: <a href="http://cran.r-project.org/src/contrib/Archive/plyr/plyr_1.7.1.tar.gz">http://cran.r-project.org/src/contrib/Archive/plyr/plyr_1.7.1.tar.gz</a><br>#installation<br>install.packages("plyr_1.7.1.tar.gz", repos = NULL, type="source")<br>#check<br>library(plyr) |                   |                        |              |
| RESHAPE:<br>#installation<br>install.packages("reshape")<br>#check<br>library(reshape)                                                                                                                                                                                                             |                   |                        |              |
| <b>Subtasks:</b>                                                                                                                                                                                                                                                                                   |                   |                        |              |
| Task # 315: Expand the R ansible role to let it install R plugins from sources                                                                                                                                                                                                                     |                   |                        | Closed       |

History

#1 - Jun 25, 2015 05:36 PM - Andrea Dell'Amico

- Status changed from New to In Progress

Only a fraction of the worker nodes are installed via the provisioning system. I'm going to create a (hopefully) temporary task that installs only the new required modules on all the other worker nodes.

#2 - Jun 26, 2015 01:43 PM - Andrea Dell'Amico

I added a new script called install\_R\_modules.sh inside the d4science-ghn-cluster.

It runs the playbook with the r\_plugins tag, so the only action performed is installing R plugins on both the production and dev hosts.

#3 - Jun 26, 2015 01:45 PM - Andrea Dell'Amico

- Status changed from In Progress to Feedback

The two plugins are installed on all the worker nodes. Hope I got the right nodes list:

|                      |        |           |               |          |
|----------------------|--------|-----------|---------------|----------|
| node11.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node12.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node13.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node14.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node15.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node16.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node17.d4science.org | : ok=5 | changed=0 | unreachable=0 | failed=0 |
| node18.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node19.d4science.org | : ok=5 | changed=0 | unreachable=0 | failed=0 |
| node20.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node21.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node22.d4science.org | : ok=5 | changed=0 | unreachable=0 | failed=0 |
| node23.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node27.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |
| node28.d4science.org | : ok=5 | changed=4 | unreachable=0 | failed=0 |

[illegible]

**#4 - Jul 23, 2015 05:09 PM - Andrea Dell'Amico**

- Status changed from Feedback to Closed