ISTI Open Access - Feature #11601

Migrate the OpenPortal services to production machines

Apr 10, 2018 12:00 PM - Michele Artini

Status:	Closed		**Start date:**	Oct 12, 2018
Priority:	Normal		**Due date:**	
Assignee:	_InfraScience Systems Engineer		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	ISTI Open Portal Tasks			

Description

Now the ISTI OpenPortal is deployed in development machines, in particular:

- node0-d-puma.d4science.org (dnet, joomla, solr, mysql, nginx+php)
- node5.t.openaire.research-infrastructures.eu (mongo)

It is necessary to move it in production machines.

Subtasks:

Feature # 12667: New joomla portal installation (BETA)	**Closed**
Feature # 13078: Put the three openportal servers under backup	**Closed**
Feature # 13100: Switch off demo.openportal.d4science.org and node0-d-puma.d4science.org	**Closed**

Related issues:

Related to ISTI Open Access - Bug #12670: Memory problem	**Closed**	**Oct 12, 2018**
Related to ISTI Open Access - Feature #21881: Update the PHP version	**Closed**	**Jul 28, 2021**
Related to ISTI Open Access - Feature #21891: Migrate OpenPortal machines to ...	**Closed**	**Jul 30, 2021**

History

#1 - Apr 10, 2018 08:10 PM - Andrea Dell'Amico

There's no difference between dev and production machines, but I agree that the hostname is misleading and it should be better to split the services (and use a diffferent mongodb instance).

I'm of the opinion that such a service should live on the ISTI servers, but your choice.

#2 - Apr 11, 2018 06:17 PM - Andrea Dell'Amico

There is also a solr instance.

#3 - Apr 13, 2018 02:20 PM - Leonardo Candela

@andrea.dellamico@isti.cnr.it I'm fine with ISTI servers if (a) we already have them, (b) the machine we have are suitable for the service(s).

#4 - Apr 16, 2018 07:52 PM - Andrea Dell'Amico

@tommaso.piccioli@isti.cnr.it can answer. He knows better than me the hypervisors that could host the service (the same one where social-isti is running, FYI).

#5 - Oct 12, 2018 11:40 AM - Andrea Dell'Amico

- Related to Bug #12670: Memory problem added

#6 - Oct 12, 2018 11:40 AM - Andrea Dell'Amico

- Assignee changed from Andrea Dell'Amico to _InfraScience Systems Engineer

#7 - Dec 03, 2018 02:16 PM - Michele Artini

I think that 3 machines are necessary for the production deployment:

1. dnet.openportal.isti.cnr.it (java 8 + tomcat 7 + dnet): 2 cpus, 8GB Ram, ~12GB diskspace

2. backend.openportal.isti.cnr.it (solr 5.5.x + mongo + mysql)): 4 cpus, 16GB Ram, ~64GB diskspace

3. openportal.isti.cnr.it, beta.openportal.isti.cnr.it, ftp.openportal.isti.cnr.it (php 7 + apache + mysql + joomla + ftp server): 4 cpus, 16GB Ram, ~512GB diskspace

The third machine should hosts 2 web sites (openportal.isti.cnr.it and beta.openportal.isti.cnr.it) and an ftp server; the ftp users should write in a particular directory and this directory should be visible by the web users.

NB. The modification of the openportal.isti.cnr.it DNS entry should be performed after the migration of the current portal.

#8 - Dec 14, 2018 02:36 PM - Tommaso Piccioli

Vm created (and now running):

```
dnet-openportal.isti.cnr.it (146.48.87.206), alias dnet.openportal.isti.cnr.it
2 cpus, 8GB Ram, 12GB diskspace

backend-openportal.isti.cnr.it (146.48.87.207), alias  backend.openportal.isti.cnr.it
4 cpus, 16GB Ram, 12GB + 64GB (/data) diskspace

portal-openportal.isti.cnr.it (146.48.87.208), aliases beta.openportal.isti.cnr.it, ftp.openportal.isti.cnr.it

4 cpus, 16GB Ram, 12 Gb + 500GB (/data) diskspace
```

All the SW must be installed yet and /data mount-point can be changed

#9 - Dec 14, 2018 05:22 PM - Andrea Dell'Amico

- Status changed from New to In Progress

Michele Artini wrote:

> 1. backend.openportal.isti.cnr.it (solr 5.5.x + mongo + mysql)): 4 cpus, 16GB Ram, ~64GB diskspace
>
> 2. openportal.isti.cnr.it, beta.openportal.isti.cnr.it, ftp.openportal.isti.cnr.it (php 7 + apache + mysql + joomla + ftp server): 4 cpus, 16GB Ram, ~512GB diskspace
>
> The third machine should hosts 2 web sites (openportal.isti.cnr.it and beta.openportal.isti.cnr.it) and an ftp server; the ftp users should write in a particular directory and this directory should be visible by the web users.

I need a couple of clarifications here (three, really):

- mysql should only on the backend server
- the reverse proxy of the running instance is nginx, I'd stick with it
- beta and openportal are two distinct installations of joomla, each one with its database, correct?

#10 - Dec 17, 2018 09:10 AM - Anonymous

- mysql should only on the backend server
  mysql is used by d-net and by the portals; if you prefer a single installation, it is OK.

- the reverse proxy of the running instance is nginx, I'd stick with it
  If you prefer nginx it is OK, I proposed Apache because some features have a better documentation using Apache.

- beta and openportal are two distinct installations of joomla, each one with its database, correct?
  yes

#12 - Dec 20, 2018 07:21 PM - Andrea Dell'Amico

dnet-openportal.isti.cnr.it has been deployed. The dnet application will answer at https://dnet.openportal.isti.cnr.it/is when installed.
Michele has access as michele.artini, with write permissions under the tomcat webapps directory.

#13 - Dec 21, 2018 04:52 PM - Andrea Dell'Amico

- Status changed from In Progress to Feedback

#15 - Jan 07, 2019 04:04 PM - Andrea Dell'Amico

We had the OK to switch the official hostname so that it points to the new frontend: just done.

#16 - Feb 22, 2019 04:45 PM - Tommaso Piccioli

- Status changed from Feedback to Closed

#17 - Jul 28, 2021 08:11 PM - Tommaso Piccioli

- Related to Feature #21881: Update the PHP version added

#18 - Jul 30, 2021 11:26 AM - Tommaso Piccioli

- Related to Feature #21891: Migrate OpenPortal machines to ubuntu 18.04 added