

Quality Criteria Verification Report

Product	EMI.dpm-argus.sl5.sl6.x86_64-1.8.8	Release	1.8.8
Software Provider	EMI	RT Ticket	#7325 #7326
Provider contact	Cristina Aiftimiei <crisrina.aiftimiei@pd.infn.it>		
Verifier	Esteban Freire (esfreire@cesga.es)		
Hours worked	4h	Date	21/10/14
Status	Accepted		

Summary

In the Administrator guide (<https://svnweb.cern.ch/trac/lcgdm/wiki/Dpm/Admin/Install>) is not showed how to configure the DPM with ARGUS. I just found this information about it

<http://wiki.hellasgrid.gr/wiki/bin/view/HellasGrid/GOC/InstallationOfArgusEMI-3SL6>

Related tickets

None

Documentation Criteria

Document	
Release notes	https://svnweb.cern.ch/trac/lcgdm/blog/dpm-argus_fix
User Documentation	http://wiki.hellasgrid.gr/wiki/bin/view/HellasGrid/GOC/InstallationOfArgusEMI-3SL6
API Documentation	
Admin Documentation	https://svnweb.cern.ch/trac/lcgdm/wiki/Dpm/Admin/Install
Software License	

Generic Criteria

Criteria	Status ¹	Additional Comments
Binary Distribution	OK	
Upgrade	OK	
X.509 Certificate support	OK	
SHA-2 Certificates Support	OK	
RFC Proxy support	OK	
ARGUS Integration	NA	
World Writable Files	NT	Minor release

1 **OK**, **WARN**, **FAIL**, NA (Not Applicable) or NT (Not Tested)

Passwords in world readable files	NT	Minor release
GlueSchema 1.3 Support	OK	
GlueSchema 2.0 Support	OK	
Middleware Version Information	NT	Minor release
Service Probes	OK	
Accounting Records	NA	
Bug Tracking System	OK	

Specific QC

Basic Functionality Test

EMI.dpm-argus.sl5.sl6.x86_64-1.8.8

* Ticket:

* <https://rt.egi.eu/rt/Ticket/Display.html?id=7325>

* <https://rt.egi.eu/rt/Ticket/Display.html?id=7326>

== Configuring the repository ==

```
{{{
```

```
[root@test08 ~]# cat /etc/yum.repos.d/EMI.dpm-argus.sl6.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(7326,1616,1545)
```

```
[EMI.dpm-argus.sl6.x86_64]
name=EMI.dpm-argus.sl6.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.dpm-argus.sl6.x86_64/1/8/8/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://repository.egi.eu/sw/production/umd/UMD-RPM-PGP-KEY
```

```
}}}
```

* Installation:

```
{{{
```

```
[root@test08 yum.repos.d]# yum install dpm-argus
Loaded plugins: priorities, security
469 packages excluded due to repository priority protections
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package dpm-argus.x86_64 0:1.8.8-2.el6 will be installed
--> Processing Dependency: libargus-pep.so.2()(64bit) for package: dpm-argus-1.8.8-2.el6.x86_64
--> Running transaction check
```

---> Package argus-pep-api-c.x86_64 0:2.2.0-1.el6 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

```
=====
=====
=====
=====
```

Package Repository	Arch Size	Version
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```
=====
=====
=====
```

Installing:

dpm-argus	x86_64	1.8.8-2.el6
EMI.dpm-argus.sl6.x86_64	20 k	

Installing for dependencies:

argus-pep-api-c	x86_64	2.2.0-1.el6
EMI.dpm-argus.sl6.x86_64	48 k	

Transaction Summary

```
=====
=====
=====
=====
```

}}}

== YAIM reconfiguration (OK) ==

{{{

```
/opt/glite/yaim/bin/yaim -d 6 -c -s /opt/glite/yaim/etc/site-info.def -n emi_dpm_mysql  
-n emi_dpm_disk
```

}}}

== Testing ==

{{{

```
[esfreire@test13 ~]$ lcg-info --list-service --vo ops | grep test08  
- Service: http://test08.egi.cesga.es:8446/srm/managerv2
```

```
[rdiez@test13 ~]$ export LFC_HOST=lfc.egi.cesga.es
```

```
[rdiez@test13 ~]$ export VO_OPS_DEFAULT_SE=test08.egi.cesga.es
```

```
[esfreire@test13 ~]$ lcg-ls -v srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/  
SE type: SRMv2
```

```
/dpm/egi.cesga.es/home/ops//cattest_150714  
/dpm/egi.cesga.es/home/ops//cattest_171014  
/dpm/egi.cesga.es/home/ops//cattest_171014b  
/dpm/egi.cesga.es/home/ops//generated
```

```
/dpm/egi.cesga.es/home/ops//my_test
/dpm/egi.cesga.es/home/ops//test201014
/dpm/egi.cesga.es/home/ops//testdelme
/dpm/egi.cesga.es/home/ops//testdelme2
/dpm/egi.cesga.es/home/ops//testdelme3
/dpm/egi.cesga.es/home/ops//testfile-put-1404293132-52addc5eb585.txt
/dpm/egi.cesga.es/home/ops//testfile-put-1413797183-63e4ec032f50.txt
```

```
[esfreire@test13 ~]$ lcg-cr -v --vo ops file:/home/esfreire/hola.sh -l
lfn:/grid/ops/testc_esfreire_211014 -d test08.egi.cesga.es
Using grid catalog type: lfc
Using grid catalog : lfc.egi.cesga.es
Checksum type: None
SE type: SRMv2
Destination SURL :
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2014-10-
21/file944d42d4-356c-408b-85bc-81af8ee7ee92
Source SRM Request Token: c7b3bbe8-813d-49f1-b18d-4c6ba9cd3c80
Source URL: file:/home/esfreire/hola.sh
File size: 38
VO name: ops
Destination specified: test08.egi.cesga.es
Destination URL for copy:
gsiftp://test08.egi.cesga.es/test08.egi.cesga.es:/storage/ops/2014-10-21/file944d42d4-
356c-408b-85bc-81af8ee7ee92.19989.0
# streams: 1
      0 bytes    0.00 KB/sec avg    0.00 KB/sec inst
      0 bytes    0.00 KB/sec avg    0.00 KB/sec inst
```

```
Transfer took 1010 ms
Using grid catalog type: lfc
Using grid catalog : lfc.egi.cesga.es
Site URL to be registered:
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2014-10-
21/file944d42d4-356c-408b-85bc-81af8ee7ee92
File size: 38
Using LFN: lfn:/grid/ops/testc_esfreire_211014
Using GUID: guid:21f29cf8-648d-4e90-a464-82ed95741ee7
Registering LFN: /grid/ops/testc_esfreire_211014 (21f29cf8-648d-4e90-a464-
82ed95741ee7)
Registering SURL:
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2014-10-
21/file944d42d4-356c-408b-85bc-81af8ee7ee92 (21f29cf8-648d-4e90-a464-
82ed95741ee7)
guid:21f29cf8-648d-4e90-a464-82ed95741ee7
```

```
[esfreire@test13 ~]$ lcg-lr --vo ops lfn:/grid/ops/testc_esfreire_211014
```

```
srm://test08.egi.cesga.es/dpm/egi.cesga.es/home/ops/generated/2014-10-21/file944d42d4-356c-408b-85bc-81af8ee7ee92
```

```
[esfreire@test13 ~]$ lcg-del --vo ops -a lfn:/grid/ops/testc_esfreire_211014  
[esfreire@test13 ~]$ lcg-lr --vo ops lfn:/grid/ops/testc_esfreire_211014  
[LFC][lfc_getreplica][ ] lfc.egi.cesga.es: /grid/ops/testc_esfreire_211014: No such file or directory  
lcg_lr: No such file or directory
```

```
}}}
```

* Testing gfal commands on Dpm-MySQL:

```
{  
[rdiez@test13 ~]$ export VO_OPS_DEFAULT_SE=test08.egi.cesga.es  
[rdiez@test13 ~]$ export LFC_HOST=test09.egi.cesga.es
```

```
[esfreire@test13 ~]$ lfc-ls /grid/ops  
SAM  
asimon  
file-lfc-probe-lfc.egee.cesga.es  
fileasgtest  
filefgtest150714  
generated
```

```
[rdiez@test13 ~]$ dpns-ls /dpm/egi.cesga.es/home  
cesga  
dteam  
iber.vo.ibergrid.eu  
ops  
ops.vo.ibergrid.eu
```

```
}}}
```

```
{
```

```
[rdiez@test13 ~]$ gfal-ls -HI srm://test08.egi.cesga.es:8446/srm/managerv2?  
SFN=/dpm/egi.cesga.es/home/ops/  
-rw-rw-r-- 1 2 2 Jul 15 13:29 266 catest_150714 None  
drwxrwxr-x 1 2 2 Sep 18 03:17 0.0 generated None  
-rw-rw-r-- 1 2 2 May 16 2013 266 my_test None  
drwxrwxr-x 1 2 2 May 16 2013 0.0 mytest None  
-rw-rw-r-- 1 2 2 Jul 15 13:39 38 test150714 None  
-rw-rw-r-- 1 2 2 Jul 2 10:25 20 testfile-put-1404293132-52addc5eb585.txt  
None
```

```
[esfreire@test13 ~]$ gfal-copy srm://test08.egi.cesga.es:8446/srm/managerv2?  
SFN=/dpm/egi.cesga.es/home/ops/testfile-put-1404293132-52addc5eb585.txt  
file:/home/esfreire/test211014  
Copying 1 [DONE] after 1s
```

```
[esfreire@test13 ~]$ gfal-copy file:/home/esfreire/hola.sh  
srm://test08.egi.cesga.es:8446/srm/managerv2?  
SFN=/dpm/egi.cesga.es/home/ops/test211014  
Copying 1 [DONE] after 1s
```

```
{
```

```
[esfreire@test13]$ gfal-rm srm://test08.egi.cesga.es:8446/srm/managerv2?  
SFN=/dpm/egi.cesga.es/home/ops/test211014
```

```
{
```

```
[esfreire@test13 ~]$ cat hola.sh |gfal-save  
srm://test08.egi.cesga.es:8446/srm/managerv2?  
SFN=/dpm/egi.cesga.es/home/ops/cattest_171014
```

```
[esfreire@test13 ~]$ gfal-cat srm://test08.egi.cesga.es:8446/srm/managerv2?  
SFN=/dpm/egi.cesga.es/home/ops/cattest_171014  
#!/bin/bash
```

```
##sleep 60  
hostname  
date
```

```
}
```

```
{
```

```
[esfreire@test13 ~]$ gfal-sum srm://test08.egi.cesga.es:8446/srm/managerv2?  
SFN=/dpm/egi.cesga.es/home/ops/test171014 MD5  
srm://test08.egi.cesga.es:8446/srm/managerv2?  
SFN=/dpm/egi.cesga.es/home/ops/test171014 e8a436b9f55861dce93c946464a44d63  
}}
```

```
{
```

```
[esfreire@test13 ~]$ gfal-xattr srm://test08.egi.cesga.es:8446/srm/managerv2?  
SFN=/dpm/egi.cesga.es/home/ops/test171014  
user.replicas = rfiio://test08.egi.cesga.es//storage/ops/2014-10-17/test171014.19417.0  
user.status = ONLINE  
}}
```

```
{
```

World writable files (OK)

An easy way to find world-writable files is using the find command:

```
find / -type f -perm -002 -exec ls -l {} \;
```

For finding world-writable files in the packages contents:

```
[root@test08 ~]# rpm -qalv | egrep "^[^d]([^-w][-xs]){2}[-r]w"  
drwxrwxrwt 2 root root 0 Jul 20 2011 /tmp  
drwxrwxrwt 2 root root 0 Jul 20 2011 /var/tmp
```

```
}}}
```

```
ldapsearch -x -h test08.egi.cesga.es -p 2170 -b GLUE2GroupID=resource,o=glue  
objectclass=GLUE2Endpoint
```

```
[root@wms03 ~]# glue-validator -H test08.egi.cesga.es -p 2170 -b o=grid -g glue1 -s  
general -v 3  
OK - errors 0, warnings 0, info 0 | errors=0;warnings=0;info=0
```

```
[root@wms03 ~]# glue-validator -H test08.egi.cesga.es -p 2170 -b o=glue -g glue2 -s  
general -v 3  
WARNING - errors 0, warnings 11, info 0 | errors=0;warnings=11;info=0
```

```
[root@wms03 ~]# glue-validator -H test22.egi.cesga.es -p 2170 -b o=glue -g egi-glue2  
-s general -v 3  
OK - errors 0, warnings 0, info 2 | errors=0;warnings=0;info=2
```

```
[root@wms03 ~]# glue-validator -g egi-glue2 -H test08.egi.cesga.es -p 2170 -b o=glue  
-s egi-profile -n -v 3 --exclude-known-issues --nagios  
OK - errors 0, warnings 0, info 6 | errors=0;warnings=0;info=6
```

New Features/Fixed Bugs

Additional Info
