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Testing report: IGIRTC #46

Summary

- Product: **Storm 1.8.2-2**
- Release Task: Task #26791
- ETICS Subsystem Configuration Name: **emi-storm_R_1_8_2_2_RC**
- VCS Tag: *GDSI_1.1.0-8*
- EMI Major Release: EMI 1 (Kebnekaise)
- Platform: SL5 epel
- Author: Alessio Gianelle
- Testing report: here
- Certification report: here
- Date: 5th March 2012
- Outcome: In certification

Deployment tests

Clean Installation

We need to install only the BE plus GridFTP We need to unprotect the emi third party repository.

- Install log file
- Configure log file

- Run sanity check test locally (complete log file are here):

```
[root@cream-51 tstorm-1.2.0-5]# tstorm-sanity-tests
test_glue_service (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok
```

```
-----
Ran 1 test in 0.002s
```

```
OK
```

```
test_gluetwo_storage_share_capacity (tstorm.tests.deployment.regression.gluetwo_ldapquery.Gluetwo
```

```
-----
Ran 1 test in 0.002s
```

```
OK
```

```
test_glue_available_space_info_service (tstorm.tests.deployment.regression.ldapquery.LdapTest) ..
```

```
-----
Ran 1 test in 0.084s
```

```
OK
```

```
test_glue_available_space (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok
```

```
-----
Ran 1 test in 0.095s
```

```
OK
```

```
test_glue_used_space (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok
```

```
-----
Ran 1 test in 0.096s
```

```
OK
```

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test_size (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok

Ran 1 test in 0.094s

OK

test_info_service_failure (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok

Ran 1 test in 0.045s

OK

test_gluetwo_endpoint_undefined (tstorm.tests.deployment.regression.gluetwo_ldapquery.GluetwoLdapTest) ... ok

Ran 1 test in 0.001s

OK

test_gluetwo_storage_undefined (tstorm.tests.deployment.regression.gluetwo_ldapquery.GluetwoLdapTest) ... ok

Ran 1 test in 0.001s

OK

test_gluetwo_endpoint (tstorm.tests.deployment.regression.gluetwo_ldapquery.GluetwoLdapTest) ... ok

Ran 1 test in 0.001s

OK

test_backend_server_status (tstorm.tests.deployment.regression.service_configuration.RegistrationConfigurationTest) ... ok

Ran 1 test in 0.254s

OK

test_backend_logrotate_file (tstorm.tests.deployment.regression.service_configuration.RegistrationConfigurationTest) ... ok

Ran 1 test in 0.008s

OK

test_backend_gridhttps (tstorm.tests.deployment.regression.service_configuration.RegistrationConfigurationTest) ... ok

Ran 1 test in 0.270s

OK

test_yaim_version_file (tstorm.tests.deployment.regression.service_configuration.RegistrationConfigurationTest) ... ok

Ran 1 test in 0.545s

OK

test_size_in_namespace_file (tstorm.tests.deployment.regression.service_configuration.RegistrationConfigurationTest) ... ok

Ran 1 test in 0.017s

OK

test_gridhttps_plugin_links (tstorm.tests.deployment.regression.service_configuration.RegistrationConfigurationTest) ... ok

Ran 1 test in 0.025s

OK

test_backend_server_name_status (tstorm.tests.deployment.regression.service_configuration.RegistrationConfigurationTest) ... ok

```
-----  
Ran 1 test in 0.218s  
  
OK  
test_mysql_storage_space_update (tstorm.tests.deployment.regression.service_configuration.Regress  
-----  
Ran 1 test in 105.989s  
  
OK  
test_mysql_connector_java_links (tstorm.tests.deployment.regression.service_configuration.Regress  
-----  
Ran 1 test in 0.012s  
  
OK
```

Upgrade Installation

We need to upgrade only the GridFTP component.

- Update log file
- No reconfiguration is needed
- Run sanity check test locally (complete log file are here):

```
[root@cream-51 tstorm-1.2.0-5]# tstorm-sanity-tests  
test_glue_service (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok  
-----  
Ran 1 test in 0.002s  
  
OK  
test_gluetwo_storage_share_capacity (tstorm.tests.deployment.regression.gluetwo_ldapquery.Gluetwo  
-----  
Ran 1 test in 0.002s  
  
OK  
test_glue_available_space_info_service (tstorm.tests.deployment.regression.ldapquery.LdapTest) ..  
-----  
Ran 1 test in 0.090s  
  
OK  
test_glue_available_space (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok  
-----  
Ran 1 test in 0.103s  
  
OK  
test_glue_used_space (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok  
-----  
Ran 1 test in 0.109s  
  
OK  
test_size (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok  
-----  
Ran 1 test in 0.110s
```

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OK

test_info_service_failure (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok

Ran 1 test in 0.060s

OK

test_gluetwo_endpoint_undefined (tstorm.tests.deployment.regression.gluetwo_ldapquery.GluetwoLdapTest) ... ok

Ran 1 test in 0.002s

OK

test_gluetwo_storage_undefined (tstorm.tests.deployment.regression.gluetwo_ldapquery.GluetwoLdapTest) ... ok

Ran 1 test in 0.001s

OK

test_gluetwo_endpoint (tstorm.tests.deployment.regression.gluetwo_ldapquery.GluetwoLdapTest) ... ok

Ran 1 test in 0.001s

OK

test_backend_server_status (tstorm.tests.deployment.regression.service_configuration.ReggressionConfigurationTest) ... ok

Ran 1 test in 0.206s

OK

test_backend_logrotate_file (tstorm.tests.deployment.regression.service_configuration.ReggressionConfigurationTest) ... ok

Ran 1 test in 0.006s

OK

test_backend_gridhttps (tstorm.tests.deployment.regression.service_configuration.ReggressionConfigurationTest) ... ok

Ran 1 test in 0.255s

OK

test_yaim_version_file (tstorm.tests.deployment.regression.service_configuration.ReggressionConfigurationTest) ... ok

Ran 1 test in 0.528s

OK

test_size_in_namespace_file (tstorm.tests.deployment.regression.service_configuration.ReggressionConfigurationTest) ... ok

Ran 1 test in 0.013s

OK

test_gridhttps_plugin_links (tstorm.tests.deployment.regression.service_configuration.ReggressionConfigurationTest) ... ok

Ran 1 test in 0.017s

OK

test_backend_server_name_status (tstorm.tests.deployment.regression.service_configuration.ReggressionConfigurationTest) ... ok

Ran 1 test in 0.197s

OK

```
test_mysql_storage_space_update (tstorm.tests.deployment.regression.service_configuration.Regress
```

```
-----  
Ran 1 test in 116.389s
```

OK

```
test_mysql_connector_java_links (tstorm.tests.deployment.regression.service_configuration.Regress
```

```
-----  
Ran 1 test in 0.013s
```

OK

Unit Tests

??? TODO ???

System tests

Functionality tests

After the installation

```
[ale@cream-12 tstorm-1.2.0-5]$ tstorm-tests  
test_settings (tstorm.tests.utilities.UtilitiesTest) ... ok
```

```
-----  
Ran 1 test in 0.000s
```

OK

```
test_storm_ping (tstorm.tests.atomics.AtomicsTest) ... ok
```

```
-----  
Ran 1 test in 0.194s
```

OK

```
test_dd (tstorm.tests.utilities.UtilitiesTest) ... ok  
test_ls_unexist_file (tstorm.tests.atomics.AtomicsTest) ... ok  
test_mkdir_dir (tstorm.tests.atomics.AtomicsTest) ... ok  
test_mkdir_exist_dir (tstorm.tests.atomics.AtomicsTest) ... ok  
test_ls_dir (tstorm.tests.atomics.AtomicsTest) ... ok  
test_cp_bt (tstorm.tests.atomics.AtomicsTest) ... ok  
test_ls_file (tstorm.tests.atomics.AtomicsTest) ... ok  
test_cp_at (tstorm.tests.atomics.AtomicsTest) ... ok  
test_rm_file (tstorm.tests.atomics.AtomicsTest) ... ok  
test_rm_unexist_file (tstorm.tests.atomics.AtomicsTest) ... ok  
test_rm_dir (tstorm.tests.atomics.AtomicsTest) ... ok  
test_rm_unexist_dir (tstorm.tests.atomics.AtomicsTest) ... ok  
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
```

```
-----  
Ran 13 tests in 41.296s
```

OK

```
test_dd (tstorm.tests.utilities.UtilitiesTest) ... ok  
test_cksm (tstorm.tests.functionalities.FunctionalitiesTest) ... ok  
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
```

```
-----  
Ran 3 tests in 11.853s
```

OK

Unit Tests

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```
test_dd (tstorm.tests.utilities.UtilitiesTest) ... ok
test_data_transfer_out_file (tstorm.tests.functionalities.FunctionalitiesTest) ... ok
test_data_transfer_out_exist_file (tstorm.tests.functionalities.FunctionalitiesTest) ... ok
test_data_transfer_in_file (tstorm.tests.functionalities.FunctionalitiesTest) ... ok
test_data_transfer_in_unexist_file (tstorm.tests.functionalities.FunctionalitiesTest) ... ok
test_rm_file (tstorm.tests.atomics.AtomicsTest) ... ok
test_rm_dir (tstorm.tests.atomics.AtomicsTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
```

Ran 8 tests in 18.898s

OK

```
test_cr_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
test_srm_transfer_outbound_https_voms (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_https_voms (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_https_voms_exist_file (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_https_voms (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_https_voms_no_auth (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_https_voms_unexist_file (tstorm.tests.https.HttpsTest) ... ok
test_srm_transfer_inbound_https_voms (tstorm.tests.https.HttpsTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
```

Ran 9 tests in 7.459s

OK

```
test_update_free_space_upon_rm (tstorm.tests.regression.RegressionTest) ... ok
```

Ran 1 test in 2.220s

OK

```
test_eight_digit_string_checksum (tstorm.tests.regression.RegressionTest) ... ok
```

Ran 1 test in 4.940s

OK

```
test_update_used_space_upon_pd (tstorm.tests.regression.RegressionTest) ... ok
```

Ran 1 test in 3.716s

OK

```
test_unsupported_protocols (tstorm.tests.regression.RegressionTest) ... ok
```

Ran 1 test in 0.065s

OK

```
test_non_ascii_chars (tstorm.tests.regression.RegressionTest) ... ok
```

Ran 1 test in 0.294s

OK

```
test_storm_backend_age (tstorm.tests.regression.RegressionTest) ... ok
```

Ran 1 test in 0.069s

OK

```
test_storm_database_password (tstorm.tests.regression.RegressionTest) ... ok
```

Ran 1 test in 2.802s

After the installation

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```
OK
test_storm_gridhttps_authorization_denied (tstorm.tests.regression.RegressionTest) ... ok
```

```
-----
Ran 1 test in 1.662s
```

```
OK
```

Complete log file are here

- Tests without voms extension

```
[ale@cream-12 tstorm-1.2.0-5]$ voms-proxy-init
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
Creating proxy ..... Done

Your proxy is valid until Sat Mar 3 03:30:38 2012
[ale@cream-12 tstorm-1.2.0-5]$ voms-proxy-info -all
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
issuer    : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
identity  : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
type      : proxy
strength  : 1024 bits
path      : /tmp/x509up_u500
timeleft  : 11:59:56
key usage : Digital Signature, Key Encipherment, Data Encipherment
[ale@cream-12 tstorm-1.2.0-5]$ tstorm-tests --novoms
test_settings (tstorm.tests.utilities.UtilitiesTest) ... ok
```

```
-----
Ran 1 test in 0.001s
```

```
OK
test_cr_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
test_srm_transfer_outbound_http (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_http (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_http_exist_file (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_http (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_http_unexist_file (tstorm.tests.https.HttpsTest) ... ok
test_srm_transfer_inbound_http (tstorm.tests.https.HttpsTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
```

```
-----
Ran 8 tests in 2.714s
```

```
OK
test_cr_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
test_srm_transfer_outbound_https (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_https (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_https_exist_file (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_https (tstorm.tests.https.HttpsTest) ... ADD UID for test_direct_tra
ok
test_direct_transfer_inbound_https_no_auth (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_https_unexist_file (tstorm.tests.https.HttpsTest) ... ok
test_srm_transfer_inbound_https (tstorm.tests.https.HttpsTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
```

```
-----
Ran 9 tests in 4.393s
```

```
OK
test_get_space_metadata_failure (tstorm.tests.regression.RegressionTest) ... ok
```

After the installation

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Ran 1 test in 0.083s

OK

Complete log file are here

After the update

```
[ale@cream-12 ~]$ tstorm-tests
test_settings (tstorm.tests.utilities.UtilitiesTest) ... ok
```

Ran 1 test in 0.000s

OK
test_storm_ping (tstorm.tests.atomics.AtomicsTest) ... ok

Ran 1 test in 0.128s

OK
test_dd (tstorm.tests.utilities.UtilitiesTest) ... ok
test_ls_unexist_file (tstorm.tests.atomics.AtomicsTest) ... ok
test_mkdir_dir (tstorm.tests.atomics.AtomicsTest) ... ok
test_mkdir_exist_dir (tstorm.tests.atomics.AtomicsTest) ... ok
test_ls_dir (tstorm.tests.atomics.AtomicsTest) ... ok
test_cp_bt (tstorm.tests.atomics.AtomicsTest) ... ok
test_ls_file (tstorm.tests.atomics.AtomicsTest) ... ok
test_cp_at (tstorm.tests.atomics.AtomicsTest) ... ok
test_rm_file (tstorm.tests.atomics.AtomicsTest) ... ok
test_rm_unexist_file (tstorm.tests.atomics.AtomicsTest) ... ok
test_rm_dir (tstorm.tests.atomics.AtomicsTest) ... ok
test_rm_unexist_dir (tstorm.tests.atomics.AtomicsTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok

Ran 13 tests in 35.642s

OK
test_dd (tstorm.tests.utilities.UtilitiesTest) ... ok
test_cksm (tstorm.tests.functionalities.FunctionalitiesTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok

Ran 3 tests in 13.307s

OK
test_dd (tstorm.tests.utilities.UtilitiesTest) ... ok
test_data_transfer_out_file (tstorm.tests.functionalities.FunctionalitiesTest) ... ok
test_data_transfer_out_exist_file (tstorm.tests.functionalities.FunctionalitiesTest) ... ok
test_data_transfer_in_file (tstorm.tests.functionalities.FunctionalitiesTest) ... ok
test_data_transfer_in_unexist_file (tstorm.tests.functionalities.FunctionalitiesTest) ... ok
test_rm_file (tstorm.tests.atomics.AtomicsTest) ... ok
test_rm_dir (tstorm.tests.atomics.AtomicsTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok

Ran 8 tests in 26.233s

OK
test_cr_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
test_srm_transfer_outbound_https_voms (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_https_voms (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_https_voms_exist_file (tstorm.tests.https.HttpsTest) ... ok

After the update

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```
test_direct_transfer_inbound_https_voms (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_https_voms_no_auth (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_https_voms_unexist_file (tstorm.tests.https.HttpsTest) ... ok
test_srm_transfer_inbound_https_voms (tstorm.tests.https.HttpsTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
```

Ran 9 tests in 9.074s

OK
test_update_free_space_upon_rm (tstorm.tests.regression.RegressionTest) ... ok

Ran 1 test in 34.571s

OK
test_eight_digit_string_checksum (tstorm.tests.regression.RegressionTest) ... ok

Ran 1 test in 2.935s

OK
test_update_used_space_upon_pd (tstorm.tests.regression.RegressionTest) ... ok

Ran 1 test in 5.079s

OK
test_unsupported_protocols (tstorm.tests.regression.RegressionTest) ... ok

Ran 1 test in 0.062s

OK
test_non_ascii_chars (tstorm.tests.regression.RegressionTest) ... ok

Ran 1 test in 0.128s

OK
test_storm_backend_age (tstorm.tests.regression.RegressionTest) ... ok

Ran 1 test in 0.067s

OK
test_storm_database_password (tstorm.tests.regression.RegressionTest) ... ok

Ran 1 test in 3.803s

OK
test_storm_gridhttps_authorization_denied (tstorm.tests.regression.RegressionTest) ... ok

Ran 1 test in 1.685s

OK

Complete log file are here

- Tests without voms extension

```
[ale@cream-12 ~]$ voms-proxy-init
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
Creating proxy ..... Done
```

After the update

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```
Your proxy is valid until Fri Mar  2 04:56:10 2012
[ale@cream-12 ~]$ voms-proxy-info -all
subject   : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
issuer    : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
identity  : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
type      : proxy
strength  : 1024 bits
path      : /tmp/x509up_u500
timeleft  : 11:59:50
key usage : Digital Signature, Key Encipherment, Data Encipherment
```

```
[ale@cream-12 ~]$ tstorm-tests --novoms
test_settings (tstorm.tests.utilities.UtilitiesTest) ... ok
```

```
-----
Ran 1 test in 0.001s
```

OK

```
test_cr_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
test_srm_transfer_outbound_http (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_http (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_http_exist_file (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_http (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_http_unexist_file (tstorm.tests.https.HttpsTest) ... ok
test_srm_transfer_inbound_http (tstorm.tests.https.HttpsTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
```

```
-----
Ran 8 tests in 4.042s
```

OK

```
test_cr_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
test_srm_transfer_outbound_https (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_https (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_outbound_https_exist_file (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_https (tstorm.tests.https.HttpsTest) ... ADD UID for test_direct_tra
ok
test_direct_transfer_inbound_https_no_auth (tstorm.tests.https.HttpsTest) ... ok
test_direct_transfer_inbound_https_unexist_file (tstorm.tests.https.HttpsTest) ... ok
test_srm_transfer_inbound_https (tstorm.tests.https.HttpsTest) ... ok
test_rm_lf (tstorm.tests.utilities.UtilitiesTest) ... ok
```

```
-----
Ran 9 tests in 7.882s
```

OK

```
test_get_space_metadata_failure (tstorm.tests.regression.RegressionTest) ... ok
```

```
-----
Ran 1 test in 0.228s
```

OK

Complete log file are here

Regression tests

Verification attached bugs (which are not part of the automatic tests)

BUG #240: plugin doesn't work correctly with the new globus libraries **FIXED**

```
[ale@cream-12 ~]$ globus-url-copy file:///tmp/tstorm-input-file-1330606294.0.txt gsiftp://cream-5
[ale@cream-12 ~]$
```

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Check the file on the BE (gridftp server):

```
[root@cream-51 ~]# ls -l /tmp/test.txt  
-rw-r--r-- 1 tst01 testers 1048576 Mar  1 17:33 /tmp/test.txt
```

This topic: IGIRelease > Task26791

Topic revision: r4 - 2012-04-11 - AlessioGianelle



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