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# Testing report: IGIRTC #66

## Summary

- Product: **Storm 2.0.0**
- Release Task: Task #23338
- ETICS Subsystem Configuration Name: **emi-storm\_R\_EMI2RC4**
- VCS Tag: *emi-storm-backend-mp\_R\_1\_1\_0\_1, emi-storm-frontend-mp\_R\_1\_1\_0\_1, emi-storm-globus-gridftp-mp\_R\_1\_1\_0\_1, BE\_1.9.0-2, DIP-1.7.4-3, FE\_1.8.0-5, GDSI\_1.2.0-4, GHTTPS\_1.1.0-1, yaim-storm\_4.2.1-1*
- EMI Major Release: EMI 2 (Matterhorn)
- Platform: SL5 epel
- Author: Alessio Gianelle
- Testing report: [see here](#)
- Certification report: [see here](#)
- Date: 11st April 2012
- Outcome: DONE

## Deployment tests

### Clean Installation

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

```
[root@cream-51 tstorm]# 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 0.070s

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

-----
Ran 1 test in 0.063s

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

-----
Ran 1 test in 0.064s

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

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-----  
Ran 1 test in 0.094s

OK

test\_info\_service\_failure (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok

-----  
Ran 1 test in 0.048s

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 0.212s

OK

test\_backend\_logrotate\_file (tstorm.tests.deployment.regression.service\_configuration.RegistrationConfigurationTest) ... ok

-----  
Ran 1 test in 0.007s

OK

test\_backend\_gridhttps (tstorm.tests.deployment.regression.service\_configuration.RegistrationConfigurationTest) ... ok

-----  
Ran 1 test in 0.268s

OK

test\_yaim\_version\_file (tstorm.tests.deployment.regression.service\_configuration.RegistrationConfigurationTest) ... ok

-----  
Ran 1 test in 0.537s

OK

test\_size\_in\_namespace\_file (tstorm.tests.deployment.regression.service\_configuration.RegistrationConfigurationTest) ... ok

-----  
Ran 1 test in 0.013s

OK

test\_gridhttps\_plugin\_links (tstorm.tests.deployment.regression.service\_configuration.RegistrationConfigurationTest) ... ok

-----  
Ran 1 test in 0.024s

OK

test\_backend\_server\_name\_status (tstorm.tests.deployment.regression.service\_configuration.RegistrationConfigurationTest) ... ok

-----  
Ran 1 test in 0.215s

OK

test\_mysql\_storage\_space\_update (tstorm.tests.deployment.regression.service\_configuration.Regress

-----  
Ran 1 test in 152.306s

OK

test\_mysql\_connector\_java\_links (tstorm.tests.deployment.regression.service\_configuration.Regress

-----  
Ran 1 test in 0.015s

OK

## Upgrade Installation

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

```
[root@emitestbed04 tstorm]# tstorm-sanity-tests  
test_glue_service (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok
```

-----  
Ran 1 test in 0.019s

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 0.025s

OK

test\_glue\_available\_space (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok

-----  
Ran 1 test in 0.031s

OK

test\_glue\_used\_space (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok

-----  
Ran 1 test in 0.028s

OK

test\_size (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok

-----  
Ran 1 test in 0.028s

OK

test\_info\_service\_failure (tstorm.tests.deployment.regression.ldapquery.LdapTest) ... ok

-----  
Ran 1 test in 0.038s

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OK

test\_gluetwo\_endpoint\_undefined (tstorm.tests.deployment.regression.gluetwo\_ldapquery.GluetwoLdapT

-----  
Ran 1 test in 0.001s

OK

test\_gluetwo\_storage\_undefined (tstorm.tests.deployment.regression.gluetwo\_ldapquery.GluetwoLdapT

-----  
Ran 1 test in 0.001s

OK

test\_gluetwo\_endpoint (tstorm.tests.deployment.regression.gluetwo\_ldapquery.GluetwoLdapTest) ...

-----  
Ran 1 test in 0.001s

OK

test\_backend\_server\_status (tstorm.tests.deployment.regression.service\_configuration.RegresionCO

-----  
Ran 1 test in 0.209s

OK

test\_backend\_logrotate\_file (tstorm.tests.deployment.regression.service\_configuration.RegresionCO

-----  
Ran 1 test in 0.009s

OK

test\_backend\_gridhttps (tstorm.tests.deployment.regression.service\_configuration.RegresionConfig

-----  
Ran 1 test in 0.236s

OK

test\_yaim\_version\_file (tstorm.tests.deployment.regression.service\_configuration.RegresionConfig

-----  
Ran 1 test in 0.511s

OK

test\_size\_in\_namespace\_file (tstorm.tests.deployment.regression.service\_configuration.RegresionCO

-----  
Ran 1 test in 0.009s

OK

test\_gridhttps\_plugin\_links (tstorm.tests.deployment.regression.service\_configuration.RegresionCO

-----  
Ran 1 test in 0.016s

OK

test\_backend\_server\_name\_status (tstorm.tests.deployment.regression.service\_configuration.Regresio

-----  
Ran 1 test in 0.220s

OK

test\_mysql\_storage\_space\_update (tstorm.tests.deployment.regression.service\_configuration.Regresio

-----  
Ran 1 test in 102.593s

OK

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

```
-----  
Ran 1 test in 0.010s
```

OK

## Unit Tests

Not Available

## System tests

### Functionality tests

#### After the installation

- Run the testsuite

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

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

OK

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

```
-----  
Ran 1 test in 0.058s
```

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 37.451s
```

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 11.955s
```

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
```

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```
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 27.656s

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 7.123s

OK

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

-----  
Ran 1 test in 10.034s

OK

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

-----  
Ran 1 test in 2.664s

OK

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

-----  
Ran 1 test in 9.885s

OK

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

-----  
Ran 1 test in 0.054s

OK

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

-----  
Ran 1 test in 0.109s

OK

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

-----  
Ran 1 test in 0.066s

OK

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

-----  
Ran 1 test in 17.830s

OK

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

-----  
Ran 1 test in 1.467s

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 Fri Apr 13 04:05:07 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  : 11:59:54
key usage : Digital Signature, Key Encipherment, Data Encipherment
```

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

-----  
Ran 1 test in 0.000s

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 2.632s

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 4.071s

OK

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

-----  
Ran 1 test in 0.074s

OK

After the installation



Complete log file are here

## After the update

- Run the testsuite

```
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 0.155s
```

```
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 40.250s
```

```
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 11.324s
```

```
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 20.754s
```

```
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
```

After the update

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-----  
Ran 9 tests in 6.682s

OK

test\_update\_free\_space\_upon\_rm (tstorm.tests.regression.RegressionTest) ... ok

-----  
Ran 1 test in 3.294s

OK

test\_eight\_digit\_string\_checksum (tstorm.tests.regression.RegressionTest) ... ok

-----  
Ran 1 test in 2.862s

OK

test\_update\_used\_space\_upon\_pd (tstorm.tests.regression.RegressionTest) ... ok

-----  
Ran 1 test in 4.185s

OK

test\_unsupported\_protocols (tstorm.tests.regression.RegressionTest) ... ok

-----  
Ran 1 test in 0.071s

OK

test\_non\_ascii\_chars (tstorm.tests.regression.RegressionTest) ... ok

-----  
Ran 1 test in 0.145s

OK

test\_storm\_backend\_age (tstorm.tests.regression.RegressionTest) ... ok

-----  
Ran 1 test in 0.074s

OK

test\_storm\_database\_password (tstorm.tests.regression.RegressionTest) ... ok

-----  
Ran 1 test in 4.106s

OK

test\_storm\_gridhttps\_authorization\_denied (tstorm.tests.regression.RegressionTest) ... ok

-----  
Ran 1 test in 2.653s

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 Thu Apr 12 02:21:52 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
```

After the update

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```
identity : /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
type     : proxy
strength : 1024 bits
path     : /tmp/x509up_u500
timeleft : 11:59:54
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 0.000s
```

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 3.879s
```

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 3.379s
```

OK

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

```
-----
Ran 1 test in 0.100s
```

OK

Complete log file are here

## Regression tests

Not Possible (Task is incompleted)

---

This topic: IGIRelease > Task23338-RC4

Topic revision: r3 - 2012-04-13 - AlessioGianelle



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