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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_glue_two_storage_share_capacity (tstorm.tests.deployment.regression.glue_two_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
```

```
-----
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.GluetwoLdapTest) ...

Ran 1 test in 0.001s

OK

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

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.RegressionConfigurationTest) ...

Ran 1 test in 0.209s

OK

test_backend_logrotate_file (tstorm.tests.deployment.regression.service_configuration.RegressionConfigurationTest) ...

Ran 1 test in 0.009s

OK

test_backend_gridhttps (tstorm.tests.deployment.regression.service_configuration.RegressionConfigurationTest) ...

Ran 1 test in 0.236s

OK

test_yaim_version_file (tstorm.tests.deployment.regression.service_configuration.RegressionConfigurationTest) ...

Ran 1 test in 0.511s

OK

test_size_in_namespace_file (tstorm.tests.deployment.regression.service_configuration.RegressionConfigurationTest) ...

Ran 1 test in 0.009s

OK

test_gridhttps_plugin_links (tstorm.tests.deployment.regression.service_configuration.RegressionConfigurationTest) ...

Ran 1 test in 0.016s

OK

test_backend_server_name_status (tstorm.tests.deployment.regression.service_configuration.RegressionConfigurationTest) ...

Ran 1 test in 0.220s

OK

test_mysql_storage_space_update (tstorm.tests.deployment.regression.service_configuration.RegressionConfigurationTest) ...

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

```
-----
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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