

## C++test Report [10/11/13 15:22:32]



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10/11/13 15:22:32

Results from:Run Unit Tests

## TEST EXECUTION

Test Project Name	Tasks			Executed Test Cases		
	Fix Runtime Error Detection Violations	Fix Unit Test Problems	Review Unit Test Outcomes	Passed	Failed	Total
core.thread	0	0	12	8	0	8
<b>Total</b> [0:00:04]	0	0	12	8	0	8

## Legend:

<b>Test Project Name</b>	- This is the project that contains the tests.
<b>Fix Unit Test Problems</b>	- This represents the tasks arising from tests that have already been reviewed. This includes exceptions that have been marked as expected, assertion failures from previously reviewed tests, and any other kind of unexpected behavior that needs to be looked at (such as timeouts).
<b>Review Unit Test Outcomes</b>	- These are outcomes from automatically generated tests that did not result in exceptions or assertion failures. The user just has to review and ensure that the outcome is appropriate (and convert them to assertions if they are not already represented as assertions).

## All Tasks

- [12] Unit Test Outcomes
  - [12] Unverified Outcomes
    - [12] Outcome

## COVERAGE

## Coverage Summary

```

+ Total [16% 37/226 executable lines]
+ core.thread [16% 37/226 executable lines]
+ src [51% 37/73 executable lines]
+ Thread.cpp [51% 37/73 executable lines]
  TA_Base_Core::runThread(void *) [100% 24/24 executable lines]
  TA_Base_Core::sExceptionToString(const CORBA::Exception &) [100% 12/12 executable lines]
  TA_Base_Core::Thread::get_time(unsigned long *, unsigned long *, unsigned long, unsigned long) [0% 0/1 executable lines]
  TA_Base_Core::Thread::getCurrentState() const [0% 0/4 executable lines]
  TA_Base_Core::Thread::getCurrentThreadId() [0% 0/1 executable lines]
  TA_Base_Core::Thread::getId() const [0% 0/1 executable lines]
  TA_Base_Core::Thread::setPriority(int) [0% 0/5 executable lines]
  TA_Base_Core::Thread::sleep(unsigned int) [0% 0/1 executable lines]
  TA_Base_Core::Thread::start() [0% 0/10 executable lines]
  TA_Base_Core::Thread::terminateAndWait() [0% 0/10 executable lines]
  TA_Base_Core::Thread::Thread() [100% 1/1 executable lines]
  TA_Base_Core::Thread::~Thread() [0% 0/3 executable lines]
+ ThreadPool [0% 0/150 executable lines]
+ IThreadPoolWorkerCallback.h [0% 0/1 executable lines]
  TA_Base_Core::IThreadPoolWorkerCallback::~IThreadPoolWorkerCallback() [0% 0/1 executable lines]
+ IWorkItem.h [0% 0/1 executable lines]

```

```

TA_Base_Core::~IWorkItem::~IWorkItem() [0% 0/1 executable lines]
+ ThreadedWorker.cpp [0% 0/27 executable lines]
  TA_Base_Core::ThreadedWorker::executeWorkItem(boost::shared_ptr<TA_Base_Core::IWorkItem>) [0% 0/5 executable lines]
  TA_Base_Core::ThreadedWorker::getIsThreadWorkerBusy() [0% 0/2 executable lines]
  TA_Base_Core::ThreadedWorker::processWorkItem() [0% 0/7 executable lines]
  TA_Base_Core::ThreadedWorker::run() [0% 0/5 executable lines]
  TA_Base_Core::ThreadedWorker::setThreadWorkerBusy(bool) [0% 0/2 executable lines]
  TA_Base_Core::ThreadedWorker::terminate() [0% 0/2 executable lines]
  TA_Base_Core::ThreadedWorker::ThreadedWorker(TA_Base_Core::IThreadPoolWorkerCallback &) [0% 0/1 executable lines]
  TA_Base_Core::ThreadedWorker::~ThreadedWorker() [0% 0/3 executable lines]
+ ThreadPoolManager.cpp [0% 0/97 executable lines]
  TA_Base_Core::ThreadPoolManager::cleanUp() [0% 0/11 executable lines]
  TA_Base_Core::ThreadPoolManager::getNonBusyWorker() [0% 0/18 executable lines]
  TA_Base_Core::ThreadPoolManager::getNumberOfThreads() [0% 0/1 executable lines]
  TA_Base_Core::ThreadPoolManager::getOriginalSize() [0% 0/1 executable lines]
  TA_Base_Core::ThreadPoolManager::getQueueSize() [0% 0/2 executable lines]
  TA_Base_Core::ThreadPoolManager::getUpperLimit() [0% 0/1 executable lines]
  TA_Base_Core::ThreadPoolManager::processWorkItem() [0% 0/16 executable lines]
  TA_Base_Core::ThreadPoolManager::queueWorkItem(boost::shared_ptr<TA_Base_Core::IWorkItem>) [0% 0/13 executable lines]
  TA_Base_Core::ThreadPoolManager::removeWorkItem(boost::shared_ptr<TA_Base_Core::IWorkItem>) [0% 0/11 executable lines]
  TA_Base_Core::ThreadPoolManager::run() [0% 0/7 executable lines]
  TA_Base_Core::ThreadPoolManager::setUpperLimit(unsigned long) [0% 0/1 executable lines]
  TA_Base_Core::ThreadPoolManager::terminate() [0% 0/2 executable lines]
  TA_Base_Core::ThreadPoolManager::ThreadPoolManager(unsigned long, unsigned long) [0% 0/9 executable lines]
  TA_Base_Core::ThreadPoolManager::workerFree() [0% 0/3 executable lines]
  TA_Base_Core::ThreadPoolManager::~ThreadPoolManager() [0% 0/1 executable lines]
+ ThreadPoolSingletonManager.cpp [0% 0/24 executable lines]
  TA_Base_Core::ThreadPoolSingletonManager::getInstance() [0% 0/5 executable lines]
  TA_Base_Core::ThreadPoolSingletonManager::getNumberOfThreads() [0% 0/1 executable lines]
  TA_Base_Core::ThreadPoolSingletonManager::getOriginalSize() [0% 0/1 executable lines]
  TA_Base_Core::ThreadPoolSingletonManager::getUpperLimit() [0% 0/1 executable lines]
  TA_Base_Core::ThreadPoolSingletonManager::queueWorkItem(boost::shared_ptr<TA_Base_Core::IWorkItem>) [0% 0/1 executable lines]
  TA_Base_Core::ThreadPoolSingletonManager::removeInstance(TA_Base_Core::ThreadPoolSingletonManager*) [0% 0/6 executable lines]
  TA_Base_Core::ThreadPoolSingletonManager::removeWorkItem(boost::shared_ptr<TA_Base_Core::IWorkItem>) [0% 0/1 executable
lines]
  TA_Base_Core::ThreadPoolSingletonManager::setUpperLimit(unsigned long) [0% 0/1 executable lines]
  TA_Base_Core::ThreadPoolSingletonManager::ThreadPoolSingletonManager() [0% 0/5 executable lines]
  TA_Base_Core::ThreadPoolSingletonManager::~ThreadPoolSingletonManager() [0% 0/2 executable lines]
+ WorkItemQueue [0% 0/3 executable lines]
+ WorkItemQueueProcessor.cpp [0% 0/3 executable lines]
  TA_Base_Core::WorkItemQueueProcessor::processEvent(boost::shared_ptr<TA_Base_Core::IWorkItem>) [0% 0/1 executable lines]
  TA_Base_Core::WorkItemQueueProcessor::WorkItemQueueProcessor(unsigned long) [0% 0/1 executable lines]
  TA_Base_Core::WorkItemQueueProcessor::~WorkItemQueueProcessor() [0% 0/1 executable lines]

```

Author	Tasks	
	total / recommended	
user	12	12

Total Tasks: 12 user [12] ^

Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp [ 12 ]

Test case: TestSuite\_Thread\_cpp\_cf1a0958::test\_sExceptionToString

Outcome: ::std::string \_return="Unable to extract string from exception" [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:100)

-

Test case: TestSuite\_Thread\_cpp\_cf1a0958::test\_sExceptionToString\_1

Outcome: ::std::string \_return="Unable to extract string from exception" [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:116)

-

Test case: TestSuite\_Thread\_cpp\_cf1a0958::test\_sExceptionToString\_2

Outcome: ::std::string \_return="Unable to extract string from exception" [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:131)

-

Test case: TestSuite\_Thread\_cpp\_cf1a0958::test\_sExceptionToString\_3

Outcome: ::std::string \_return="" [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:147)

-

Test case: TestSuite\_Thread\_cpp\_cf1a0958::test\_runThread

Outcome: void \* \_return =NULL [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:162)

-

Test case: TestSuite\_Thread\_cpp\_cf1a0958::test\_runThread

Outcome: void \* \_ptr =NOT\_NULL [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:163)

-

Test case: **TestSuite\_Thread\_cpp\_cf1a0958::test\_runThread\_1**  
**Outcome:** void \* \_return =NULL [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:177)

Test case: **TestSuite\_Thread\_cpp\_cf1a0958::test\_runThread\_1**  
**Outcome:** void \* \_ptr =NOT\_NULL [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:178)

Test case: **TestSuite\_Thread\_cpp\_cf1a0958::test\_runThread\_2**  
**Outcome:** void \* \_return =NULL [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:192)

Test case: **TestSuite\_Thread\_cpp\_cf1a0958::test\_runThread\_2**  
**Outcome:** void \* \_ptr =NOT\_NULL [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:193)

Test case: **TestSuite\_Thread\_cpp\_cf1a0958::test\_runThread\_3**  
**Outcome:** void \* \_return =NULL [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:207)

Test case: **TestSuite\_Thread\_cpp\_cf1a0958::test\_runThread\_3**  
**Outcome:** void \* \_ptr =NOT\_NULL [unverified outcome]  
at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:208)

#### Executed Tests (Details)

```
+ [8/8] Passed / Total
+ [8/8] core.thread
+ [8/8] tests
+ [8/8] autogenerated
+ [8/8] src
+ [8/8] TestSuite_Thread_cpp_cf1a0958
+ [P] [0:00:00.006] TestSuite_Thread_cpp_cf1a0958::test_runThread
    Outcome: void * _return =NULL [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:162)
    Outcome: void * _ptr =NOT_NULL [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:163)
+ [P] [0:00:00.000] TestSuite_Thread_cpp_cf1a0958::test_runThread_1
    Outcome: void * _return =NULL [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:177)
    Outcome: void * _ptr =NOT_NULL [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:178)
+ [P] [0:00:00.000] TestSuite_Thread_cpp_cf1a0958::test_runThread_2
    Outcome: void * _return =NULL [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:192)
    Outcome: void * _ptr =NOT_NULL [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:193)
+ [P] [0:00:00.001] TestSuite_Thread_cpp_cf1a0958::test_runThread_3
    Outcome: void * _return =NULL [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:207)
    Outcome: void * _ptr =NOT_NULL [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:208)
+ [P] [0:00:00.000] TestSuite_Thread_cpp_cf1a0958::test_sExceptionToString
    Outcome: ::std::string _return="Unable to extract string from exception" [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:100)
+ [P] [0:00:00.000] TestSuite_Thread_cpp_cf1a0958::test_sExceptionToString_1
    Outcome: ::std::string _return="Unable to extract string from exception" [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:116)
+ [P] [0:00:00.000] TestSuite_Thread_cpp_cf1a0958::test_sExceptionToString_2
    Outcome: ::std::string _return="Unable to extract string from exception" [unverified outcome] user
    at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite_Thread_cpp.cpp:131)
+ [P] [0:00:00.000] TestSuite_Thread_cpp_cf1a0958::test_sExceptionToString_3
    Outcome: ::std::string _return="" [unverified outcome] user
```

at .(Core.UnitTest/core.thread/tests/autogenerated/src/TestSuite\_Thread\_cpp.cpp:147)

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