

# GradC++ToolBox: Revision history

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## 1 Latest release

1.6.3

## 2 Changes in product set

1.6.0: Threading:

- ThreadContext interfaces added.

1.5.0: ptrs package added.

1.4.0: DynamicModules package added.

1.3.0: DirectoryContainer package added.

1.2.0: Threading:

- some new examples added
- ThreadServices framework added

1.1.0: Threading:

- some new examples added
- ThreadEvent added.

## 3 Overpatching in components specifications

### 3.1 Overpatching in interface specifications

1.6.1 :

ptrs:

- added method to `owned_ptr` template - `get_ownership()`

1.6.0 :

Threading:

- added ThreadContext access methods to Thread class.
- added ThreadContext class.

1.5.0 :

Threading:

- specifications of exceptions simplified;
- class `counted_mt_ptr` is added to package.

DynamicModules:

- interface extended (iteration over loaded modules is implemented).

ProgOptions:

- both `ProgOptions::parseFile` and `ProgOptions::parseString` methods get additional parameter, the name of executable asking for options (on default, "unspecified"). (The name of executable must not be present in the file or string being parsed forth.)
- `ProgOptions::ArgsHolder`-related:
  1. both `ArgsHolder(int,char**)` constructor and `ProgOptions::getArgsHolder()` method are removed;
  2. `ArgsHolder()` constructor (being missed in previous releases) and `ArgsHolder::takeArgv(const ProgOptions&)` method provided instead.

1.4.1 :

ProgOptions:

- class ProgOptions::ArgsHolder and method ProgOptions::createArgsHolder() to obtain an instance of this class have been added

#### 1.4.0 :

General requirements:

- namespaces and standart c++ header became mandatory.
- namespace std made not imported by ToolBox headers.

ServiceOptions:

- ServiceOptions header file is replaced by ServiceOptions.h

#### 1.2.0 :

Threading:

- Thread::sleep() and Thread::nanosleep() methods, being "public" and "static" in previous releases, has been made "protected" now; two public and static methods, Thread::sleepCurrent() and Thread::nanosleepCurrent(), provided instead.

Logger:

- Logger header file is deleted from distribution.
- Logger.h now does not import Logger class to current namespace.
- Added methods Logger::setDuppdedToStderr(bool) , Logger::setSyslogOutput(bool).x
- Added Logger stream specific mutexes.

#### 1.1.0 :

Threading:

- Exceptions specifications are added, with uniform exceptions layer.

#### 1.0.3 :

ProgOptions:

- method ProgOptions::allowUnknownOptions is added.

### 3.2 Changes in functional specifications

#### 1.4.0 :

ProgOptions:

- procedure of parsing of configuration file revised

### 3.3 Changes of implementation characteristics

#### 1.6.3 :

- ported to GCC-3.2
- MICO is added to list of supported ORB-s
- small changes in implementation of `counted_mt_ptr`

#### 1.6.2 :

ProgOptions:

- bug fixed: typo in Threading Programmers Guide and in API

#### 1.6.1 :

ServiceOptions:

- bug fixed: typo in ServiceOptions.cpp

#### 1.6.0 :

Threading:

- bug fixed: this error leads to incorrect output of Win32 error code in exception.

ServiceOptions:

- fixed one-time memory leak in initialization of service record.

#### 1.4.2 :

Installing procedure:

- bug fixed: `Gen/DynamicModules/configure` added

#### 1.4.1 :

DynamicModules:

- error in `DynamicModules.h` removed; this error leads to `EXPORT_OBJECT` macros acts correctly within GradSoft namespace only for Windows NT

ServiceOptions:

- error in `CORBA/ServiceOptions/demo/configure.in` removed; this error leads to ServiceOptions use examples can not be compiled for Linux

Installing procedure:

- bug fixed - header file `DirectoryContainerPostConfig.h` made a member of installation for UNIX

#### 1.4.0 :

Installing procedure:

- support of omniORB-3.0.4 and TAO-1.2 added for Windows NT
- errors in Makefiles removed
- Sun C++ 6.2 on Sun Solaris 2.8 is supported.
- Changed requirements to C++ compiler.

Logger:

- fixed bug which can cause core dump during reporting fatal error.

ProgOptions:

- fixed small mismatch between component's specification and implementation.

#### 1.3.0 :

Installing procedure:

- Fixed bug in installing procedure for UNIX, which can cause incorrect installing of Logger when default "make" is differ from GNU make.

#### 1.2.1 :

Installing procedure:

- Fixed building on Windows NT.

#### 1.2.0 :

Installing procedure:

- fixed generation of shared libs under Linux

Threading:

- bug fixed: call of `delete This` from Thread subclasses allocated on heap succeeds now.
- bug fixed: error notification with throwing of ThreadingExceptions classes is implemented under Windows NT.
- memory leak in Thread, Mutex, and ThreadEvent destructors under Windows NT is removed.
- bug that leads to run-time error if destructor is called in a little while after starting of the thread is fixed.
- bug which causes incorrect result of `Thread::is_running()` call made before the thread starting under Windows NT is fixed.
- bug being able to cause incorrect `Mutex::try_lock()` behaviour on Windows NT is fixed.

- include file named Threading is not used now; Threading.h is used instead.

Logger:

- fixed bug in configure which can cause incorrect determination of `ctime_r` on some platforms.
- Added thread-safe guarantues.
- include file named Logger is not used now; Logger.h is used instead.

#### 1.1.0 :

Installing procedure:

- Improvements in error handling scheme
- Fixed yet another bug in building of shared libs on Solaris .

Threading:

- Fixed typo in `threadsafe_biseq`

#### 1.0.4 :

Installing procedure:

- Fixed bug, which can broke install of package on machines without `<prefix>/GradSoft` directories.

#### 1.0.3 :

Installing procedure:

- Fixed building of shared libs on Solaris with help of Sun CC.

Threading:

- `Thread::running_` marked as `volatile`

ProgOptions:

- Fixed potential error, which can cause program failure during call of ProgOptions destructor.
- Fixed error, which cause incorrect output of help messages, when one of predefined options is overridden.

ServiceOptions:

- Fixed compilation with omniORB
- added support for TAO ior tables

## 4 Changes in documentation set

1.6.0 : Threading programming guide extended.

1.5.1 : oversight in ServiceOptions programming guide removed

1.5.0 :

- added ptrs programming guide.
- Threading programming guide extended.
- Administration guide extended.

1.4.2 :

- ServiceOptions Programming guide: right order of `--config <filename>` support described

1.4.1 :

- ProgOptions Programming guide:
  1. support of using `--config <filename>` option described.
- DynamicModules Programming guide:
  1. some visible misfits removed;
  2. using example made compilable and moved into separate section.

1.4.0 :

- Administration Guide:
  1. overpatching in product set, implementation characteristics, installing procedure for Windows NT reflected
  2. record of WIN32 macros being required for compiling under Windows NT added

1.3.0 :

- Programmers Guide and API for Directory Container is added.
- Some grammar errors in current document removed.

1.2.0 :

- Review of Threading Programming Guide
- Review of Logger Programming Guide

1.1.0 :

- Fixed few typos in Administration Guide.
- Review of Threading Programming Guide
- short README to Threading examples are added.

**1.0.3 :**

- "Changes" are added to documentation set.
- Format attributes of documents are added.
- Review of Administration Guide.

**1.0.2 :**

- API definitiosn added to docvumentation set.

## **5 List of deployed or published versions**

- 1.6.3
  - start of supplies - 07.05.2003
- 1.6.2
  - start of supplies - 12.10.2002
  - actions, must performed for dependent software support: recompilation with next version.
- 1.6.1
  - start of supplies - 04.09.2002
  - actions, must performed for dependent software support: none
- 1.6.0
  - start of supplies - 29.08.2002
  - actions, must performed for dependent software support: none
- 1.5.0
  - start of supplies - 08.04.2002
  - actions, must performed for dependent software support:
    - \* recompile with version 1.6.0
- 1.4.2
  - start of supplies - 06.02.2002
  - actions, must performed for dependent software support: see 1.4.1
- 1.4.1
  - start of supplies - 31.01.2002
  - actions, must performed for dependent software support: see 1.4.0

- 1.4.0
  - start of supplies - 17.01.2002
  - actions, must performed for dependent software support:
    - \* recompile with version 1.5.0
    - \* if compilation of software uses Threading failed - correct exception specifications.
- 1.3.0
  - start of supplies - 27.08.2001
  - actions, must performed for dependent software support:
    - \* if you use names from `std` C++ namespace, then check, that this namespace is imported in depended code or add `std::` prefix to such names.
    - \* if you use file `ServiceOptions.h` and use `ServiceOptions` type without `GradSoft` prefix then import name `GradSoft::ServiceOptions` in current namespace or change `ServiceOptions` to `GradSoft::ServiceOptions`.
    - \* if you use file `ServiceOptions`, change one to `ServiceOptins.h`
- 1.2.1
  - start of supplies - 07.07.2001
  - actions, must performed for dependent software support: none
- 1.2.0
  - start of supplies - 28.06.2001
  - actions, must performed for dependent software support: are absent
- 1.1.0
  - start of supplies - 28.04.2001
  - end of support - 25.06.2001
  - actions, must performed for dependent software support:
    1. substitution of `Thread::sleep()` and `Thread::nanosleep()` methods used outside the `Thread::run()` to `Thread::sleepCurrent()` and `Thread::nanosleepCurrent()` methods
    2. recompilation with next version
- 1.0.4
  - start of supplies - 14.03.2001
  - end of support - 15.05.2001
  - actions, must performed for dependent software support:

- \* recompilation with next version.
- \* add exceptions handling code if necessary.

- 1.0.3

- start of supplies - 18.02.2001
- end of support - 15.05.2001
- actions, must performed for dependent software support: are absent

- 1.0.2

- start of supplies - 14.12.2000
- end of support - 20.02.2001
- actions, must performed for dependent software support: recompilation with next version.

- 1.0.1

- start of supplies - 30.11.2000
- end of support - 14.12.2000
- actions, must performed for dependent software support: relinking with the next version.

- 1.0

- start of supplies - 28.11.2000
- end of support - 14.12.2000
- actions, must performed for dependent software support: recompilation with next version.

- 1.0

- start of supplies - 28.10.2000
- end of support - 28.11.2000
- actions, must performed for dependent software support: recompilation with next version.