

Seminar Abstract

# New C++ Features

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## COURSE OVERVIEW:

This 1-day course covers various aspects of the C++ language and library that were introduced as a result of the C++ standardization process. Lab time is included. The course is not hardware or operating system-specific.

## WHO SHOULD ATTEND:

Programmers and technical managers intimately involved with C++.

## PREREQUISITES:

A good working knowledge of C++ including basic class design is assumed.

## MATERIALS:

Each student will receive the following materials:

- *New C++ Features*. This manuscript was written specifically for teaching. It serves as a useful reference once the course has been completed.

## DETAILED TOPICS:

The main topics covered are:

- Namespaces
- The Boolean Type
- The `string` Class
- Run-Time Type Identification
- The Keyword `explicit`
- The Keyword `mutable`
- Using Smart Pointers to Address Memory Leakage
- Exception Specification
- Miscellaneous Small Issues