



Advanced C++ Programming

Length: Two days

Level: Advanced

DESCRIPTION

This course allows students to increase their productivity and to produce industrial-strength C++ code. Hands-on exercises make them practice developing high-quality reusable code.

OBJECTIVES

Upon completion of the course, participants will be able to:

- Use C++ to design and implement efficient object-oriented solutions
 - Build robust, efficient libraries using namespaces, templates and exceptions
 - Use the standard C++ library, including the Standard Template Library (STL)
 - Improve C++ code reusability and quality
 - Avoid subtle traps and pitfalls of C++ programming
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TOPICS

- Advanced Inheritance Topics
 - Operator Overloading
 - Exception Handling
 - Namespaces
 - Templates
 - Run-Time Type Identification
 - Standard Library Basics
 - Streams
 - Containers
 - Algorithms
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AUDIENCE

- Software Developers
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PREREQUISITES

- Course *C++ Programming* or equivalent.
- Course *Object-Oriented Analysis with UML* or equivalent