

Mesutronic C++11 / Boost

Using C++11, the Language,
the Standard Library, and
selected parts from Boost

Durchführung:
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Agenda

Topics* Monday to Friday (last day course ends after lunch-break)

- Monday 1: C++11 Extensions (and some related Boost)
 - Monday 2: Exceptions (including Boost.Exception)
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- Tuesday 1: STL Quick Tour (and again some of Boost)
 - Tuesday 2: Strings (including Regular Expressions)
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- Wednesday 1: I/O-Streams
 - Wednesday 2: Random Numbers
 - Wednesday 3: Durations and Time Points
 - Wednesday 4: Multi-Threading
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- Thursday 1: Tuple, Optional, Variant, Any
 - Thursday 2: Smart Pointers
 - Thursday 3: A Tour of Boost
-

- Friday: Advanced Use of Templates

Online Version of this Presentation

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Online References

C++ has become a huge topic so it will frequently be necessary to lookup details in an online reference.

As general C++ reference the following can be recommended:

- <http://en.cppreference.com/w/> - totally free, seems to be run by enthusiasts and now includes even [live examples](#)
- <http://www.cplusplus.com/> - obviously financed by moderate pop-ups, nevertheless well organized and up-to-date

For topics specific to boost:

- <http://www.boost.org> - The Official Boost Site
- <http://en.highscore.de/cpp/boost/frontpage.html>
A free Online Book* by Boris Schäling in English Language and
- <http://www.highscore.de/cpp/boost> - same in German Language

*: Some of the following pages will refer to a chapter or section in their top-right corner, so you may want to keep the table of content of this book open in a browser tab.

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*: That option may become available in a future version.

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^{*}: With minor extensions, if you happen to know markdown already.