

C++ Club UK

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2019-10-17

wg21.link cheatsheet

wg21.link - WG21 redirect service.

Usage:

```
wg21.link/nXXXX
wg21.link/pXXXX
wg21.link/pXXXXrX
  Get paper.
```

```
wg21.link/standard
  Get working draft.
```

```
wg21.link/cwgXXX
wg21.link/ewgXXX
wg21.link/lwgXXX
wg21.link/lewgXXX
wg21.link/fsXXX
wg21.link/editXXX
  Get issue.
```

```
wg21.link/index.json
wg21.link/index.ndjson
wg21.link/index.txt
wg21.link/specref.json
  Get everything.
```

```
wg21.link/
  Get usage.
```

```
wg21.link/<something else>
  Get 404.
```

Sources:

- <http://www.open-std.org/jtc1/sc22/wg21/docs/papers/{2002..2018}/>,
- http://www.open-std.org/jtc1/sc22/wg21/docs/cwg_{active,defects,closed}.html,
- <http://cplusplus.github.io/EWG/ewg-{active,complete,closed}.html>,
- <http://cplusplus.github.io/LWG/lwg-{active,defects,closed}.html>,
- <http://issues.isocpp.org/>,
- <https://github.com/cplusplus/draft/tree/master/papers>,
- [https://github.com/cplusplus/draft issues](https://github.com/cplusplus/draft/issues) and [pull-requests](https://github.com/cplusplus/draft/pull-requests),
- the private wiki of the C++ committee, and
- a few manual additions.

Address Sanitizer is coming to MSVC

https://www.reddit.com/r/cpp/comments/d6k7mt/address_sanitizer_is_coming_to_msvc/

<https://github.com/martinmoene/span-lite>

A C++20-like span for C++98, C++11 and later in a single-file header-only library.

- Implementation <https://github.com/kokkos/mdspan> (BSD 3-Clause)
 - Intro <https://github.com/kokkos/mdspan/wiki/A-Gentle-Introduction-to-mdspan>
 - r/cpp https://www.reddit.com/r/cpp/comments/cl127i/mdspan_productionquality_reference_implementation/
- Kokkos <https://github.com/kokkos/kokkos>
- Multi-dimensional strided array views in Magnum <https://blog.magnum.graphics/backstage/multidimensional-strided-array-views/>
- P0009R9 **mdspan**: A Non-Owning Multidimensional Array Reference <http://wg21.link/p0009r9>
- CppCast with Bryce Adelstein Lelbach <https://cppcast.com/bryce-lelbach-mdspan/>

Enums, warnings, and default

<https://brevzin.github.io/c++/2019/08/01/enums-default/>

[https:](https://www.reddit.com/r/cpp/comments/cubah9/enum_switch_warnings/)

[//www.reddit.com/r/cpp/comments/cubah9/enum_switch_warnings/](https://www.reddit.com/r/cpp/comments/cubah9/enum_switch_warnings/)

GCC & Clang:

```
1 | -Wswitch-enum
```

Reddit

- PyTorch <https://pytorch.org/features> – has a pure C++ front end <https://pytorch.org/cppdocs/>
- TensorFlow for C++ https://www.tensorflow.org/api_docs/cc
- Shogun <https://www.shogun.ml/>

The sad history of Unicode printf-style format specifiers in Visual C++

<https://devblogs.microsoft.com/oldnewthing/20190830-00/?p=102823>

- [Reddit](#)

Introducing Magnum Python Bindings

<https://blog.magnum.graphics/announcements/introducing-python-bindings/>

<https://github.com/pybind/pybind11>

Are there any memory safety libraries for C++?

https://www.reddit.com/r/cpp/comments/d0hguz/are_there_any_memory_safety_libraries_for_c/

<https://github.com/duneroadrunner/SaferCPlusPlus/>

<https://github.com/deplinenoise/ig-memtrace>

MemTrace is a memory debugging tool developed internally at Insomniac Games.

<https://github.com/ivmai/bdwgc>

The Boehm-Demers-Weiser conservative C/C++ Garbage Collector (libgc, bdwgc, Boehm-gc) <https://www.ghem.info/gc/>

AnyDuck : A Value Type Erased Type

Steve Downey: <https://www.sdowney.org/2019/07/anyduck-a-value-type-erased-type/>

Template meta-programming: Some testing and debugging tricks

<https://cukic.co/2019/02/19/tmp-testing-and-debugging-templates/>

<https://www.nextptr.com/tutorial/ta1193988140/how-cplusplus-using-or-aliasdeclaration-is-better-than-typedef>

<https://github.com/berkeley-container-library/bcl>