

Code

operator new/delete

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C++Utilities libraryDynamic memory managementLow level memory management

operator new, operator new[]

Defined in header <new>

replaceable allocation functions

[[nodiscard]] (since C++20)

void* operator new (std::size_t count);(1)

void* operator new[](std::size_t count);(2)

void* operator new (std::size_t count, std::align_val_t al);(3) (since C++17)

void* operator new[](std::size_t count, std::align_val_t al);(4) (since C++17)

*“The versions (1-4) are implicitly declared in each translation unit even if the <new> header is not included. **Versions (1-8) are replaceable: a user-provided non-member function with the same signature defined anywhere in the program, in any source file, replaces the default version. Its declaration does not need to be visible.**”*