



sizeof vector in c++



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sizeof() is computed at compile time, so there is no way it can tell you how many elements it has inside. Use the `size()` method of the **vector** object. **vector** in STL is a class template, when you give template parameter inside `<SomeType>` following **vector**, C++ compiler generated code for a class of type `SomeType`. Mar 3, 2010

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[vector::size - C++ Reference - Cplusplus.com](#)

www.cplusplus.com > [Reference](#) > `<vector>` > `vector` ▼

This is the number of actual objects held in the **vector**, which is not ... **vector::capacity**: Return **size of** allocated storage capacity (public member function).

[vector - C++ Reference - Cplusplus.com](#)

www.cplusplus.com > [Reference](#) > `<vector>` ▼

template < class T, class Alloc = allocator<T> > class **vector**; // generic template **capacity**: Return **size of** allocated storage capacity (public member function).
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Mar 3, 2010 - **sizeof()** is computed at compile time, so there is no way it can tell you how many elements it has inside. Use the `size()` method of the **vector** object. **vector** in STL is a class template, when you give template parameter inside `<SomeType>` following **vector**, C++ compiler generated code for a class of type `SomeType`.

[C++ sizeof Vector is 24? - Stack Overflow](#)

stackoverflow.com/questions/34024805/c-sizeof-vector-is-24 ▼

Dec 1, 2015 - I was just messing around and learning about **vectors** as well as ... A **vector** is usually implemented with three pointers ... That's the **size of** class ...

[What is the size of sizeof\(vector\)? C++ - Stack Overflow](#)

stackoverflow.com/questions/34034849/what-is-the-size-of-sizeofvector-c ▼

Dec 2, 2015 - The **sizeof** operator returns the size in bytes of the object or expression at compile time, which is constant for a `std::vector` .

[c++ - How can I discover the size/length of a std::vector? - Stack Overflow](#)

stackoverflow.com/questions/.../how-can-i-discover-the-size-length-of-a-stdvector ▼

Jan 9, 2013 - A c++ `std::vector` has a method `size()` which returns its size. EDIT: as I get it now you ...
 You can't use **sizeof** for that as a **vector** uses dynamic memory and stores only a pointer of a dynamic array containing its elements. So my ...

[c++ - Getting the size in bytes of a vector - Stack Overflow](#)

stackoverflow.com/questions/17254425/getting-the-size-in-bytes-of-a-vector ▼

Jun 22, 2013 - **Vector** stores its elements in an internally-allocated memory array. You can do this:
`sizeof(std::vector<int>) + (sizeof(int) * MyVector.size())`.

[sizeof\(\) std::vector \(C++\) - Stack Overflow](#)

stackoverflow.com/questions/8778091/sizeof-stdvector-c ▼

Jan 8, 2012 - What do you mean by **size of the vector**? The **size of the vector** object is just `sizeof(vec)`. If you are interested in how much memory the **vector** has ...

[STL \(C++\): Why does sizeof return the same value for all vectors ...](#)

<https://www.quora.com/STL-C++-Why-does-sizeof-return-the-same-value-for-all-vector...>

That's not the **size of** the data stored in the **vector**. Use `vector::size` to get the number of elements.
 The 24 you see is the **size of** the internal data used to store that ...

[\[VC9/x86\] sizeof\(std::vector\): 20/24 bytes? - MSDN - Microsoft](#)

<https://social.msdn.microsoft.com> > ... > [C++ Standards, Extensions, and Interop](#) ▼

Jan 28, 2009 - 19 posts - 7 authors

I noticed `sizeof(std::vector)` is 20 (debug mode, iterator debugging C++ program I wrote to try to better understand the total **size of** STL **vector**.

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