[Explicitly exporting shared library functions in Linux](http://stackoverflow.com/questions/2164827/explicitly-exporting-shared-library-functions-in-linux)

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| up vote19down vote[favorite](http://stackoverflow.com/questions/2164827/explicitly-exporting-shared-library-functions-in-linux)  10 | Is there a Linux equivalent of \_\_declspec(dllexport) notation for explicitly exporting a function from a shared library? For some reason with the toolchain I'm using, functions that aren't class members don't appear in the resulting shared library file.  [c++](http://stackoverflow.com/questions/tagged/c%2b%2b) [linux](http://stackoverflow.com/questions/tagged/linux)   |  |  |  | | --- | --- | --- | | [share](http://stackoverflow.com/q/2164827/7528607)[edit](http://stackoverflow.com/posts/2164827/edit) | [edited Oct 18 '14 at 21:56](http://stackoverflow.com/posts/2164827/revisions)  [[https://www.gravatar.com/avatar/37f386df1c4e98d9ce0350431f590f2a?s=32&d=identicon&r=PG](http://stackoverflow.com/users/234175/greatwolf)](http://stackoverflow.com/users/234175/greatwolf)  [greatwolf](http://stackoverflow.com/users/234175/greatwolf)  **14.2k**84387 | asked Jan 29 '10 at 20:10  [[https://www.gravatar.com/avatar/7135c337ff8fa50d98cf9d3e3078e5b9?s=32&d=identicon&r=PG](http://stackoverflow.com/users/204317/theactiveactor)](http://stackoverflow.com/users/204317/theactiveactor)  [theactiveactor](http://stackoverflow.com/users/204317/theactiveactor)  **2,107**93852 | |
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2 Answers

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| up vote37down voteaccepted | \_\_attribute\_\_((visibility("default")))  And there is no equivalent of \_\_declspec(dllimport) to my knowledge.  #if defined(\_MSC\_VER)  // Microsoft  #define EXPORT \_\_declspec(dllexport)  #define IMPORT \_\_declspec(dllimport)  #elif defined(\_\_GNUC\_\_)  // GCC  #define EXPORT \_\_attribute\_\_((visibility("default")))  #define IMPORT  #else  // do nothing and hope for the best?  #define EXPORT  #define IMPORT  #pragma warning Unknown dynamic link import/export semantics.  #endif   |  | | --- | | [share](http://stackoverflow.com/a/2164853/7528607)[edit](http://stackoverflow.com/posts/2164853/edit) | |