

Platforms

Pages in the [PlatformCategory](#) describe operatings systems, compilers, or hardware architectures.

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Identifying a Platform

The table below is a summary of combinations of operating systems, compilers, and runtime libraries, and the preprocessor conditionals that can be used to distinguish between them. It was prompted by the discussion in [STDCXX-2](#), specifically this [comment](#).

	Platform Identification Macros		
OS	COMPILER	RUNTIME	MACROS
AIX	gcc	libsuc++	<code>_RWSTD_OS_AIX && GNUC</code>
AIX	IBM XLC/C++	libC	<code>_RWSTD_OS_AIX && IBMCPP</code>
FreeBSD	gcc	libsuc++	<code>_RWSTD_OS_FREEBSD && GNUC</code>
HP-UX	gcc	libsuc++	<code>_RWSTD_OS_HP_UX && GNUC</code>
HP-UX	HP aCC 1	libCsup_v2.2	<code>_RWSTD_OS_HP_UX && __HP_aCC</code>
IRIX	SGI MIPSpro		<code>{{ _RWSTD_OS_IRIX64 && (_SGI_COMPILER_VERSION</code> !GNUG)))
Linux	EDG eccp		<code>_RWSTD_OS_LINUX && _RWSTD_EDG_ECCP</code>
Linux	gcc	libsuc++	<code>RWSTD_OS_LINUX && GNUC && !_INTEL_COMPILER</code>
Linux	IBM XLC++	?	<code>_RWSTD_OS_LINUX && IBMCPPE</code>
Linux	Intel C++ 1	libsuc++, ?	<code>_RWSTD_OS_LINUX && __INTEL_COMPILER</code>
Linux	Sun C++		<code>_RWSTD_OS_SUNOS && SUNPRO_CCE</code>
NetBSD	gcc	libsuc++	<code>_RWSTD_OS_NETBSD && GNUC</code>
OpenBSD	gcc	libsuc++	<code>_RWSTD_OS_OPENBSD && GNUC</code>
Solaris	EDG eccp		<code>_RWSTD_OS_SUNOS && _RWSTD_EDG_ECCP</code>
Solaris	gcc	libsuc++	<code>_RWSTD_OS_SUNOS && GNUC</code>
Solaris	Sun C++		<code>_RWSTD_OS_SUNOS && SUNPRO_CCE</code>
Tru64 UNIX	HP/Compaq/Digital C++		<code>_RWSTD_OS_OSF1 && DECCXX</code>
Windows	Borland C++	?	<code>_WIN32 && TURBOC</code>
Windows	Digital Mars C++	?	?
Windows	EDG eccp	?	<code>_WIN32 && _RWSTD_EDG_ECCP</code>
Windows	Intel C++ 1	libc(d).lib, libcmtd).lib, msvcrtd).lib	<code>_WIN32 && __INTEL_COMPILER</code>
Windows	Visual C++	libc(d).lib, libcmtd).lib, msvcrtd).lib	<code>MSC_VER && !_INTEL_COMPILER</code>
Windows/ Cygwin	gcc	libsuc++	<code>CYGWIN && GNUC</code>
Windows/ MinGW	gcc	libsuc++	<code>MINGW32 && GNUC</code>

(1) Uses EDG eccp front end.

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