

Socket Exception Codes

Value	Return Code	Description
6	WSA_INVALID_HANDLE	Insufficient memory available.
8	WSA_NOT_ENOUGH_MEMORY	One or more parameters are invalid.
87	WSA_INVALID_PARAMETER	An application used a Windows Sockets function which directly maps to a Windows function which is indicating a problem with one or more parameters.
995	WSA_OPERATION_ABORTED	An overlapped operation was canceled due to the closure of the socket, or the execution of the SIO_FLUSH command in WSAIoctl
996	WSA_IO_INCOMPLETE	The application has tried to determine the status of an overlapped operation which is not yet completed.
997	WSA_IO_PENDING	The application has initiated an overlapped operation that cannot be completed immediately.
10004	WSAEINTR	A blocking operation was interrupted by a call to WSACancelBlockingCall.
10009	WSAEBADF	The file handle supplied is not valid.
10013	WSAEACCES	An attempt was made to access a socket in a way forbidden by its access permissions.
10014	WSAEFAULT	The system detected an invalid pointer address in attempting to use a pointer argument of a call.
10022	WSAEINVAL	Some invalid argument was supplied.
10024	WSAEMFILE	Too many open sockets.
10035	WSAEWOULDBLOCK	Resource temporarily unavailable.
10036	WSAEINPROGRESS	A blocking operation is currently executing.
10037	WSAEALREADY	An operation was attempted on a nonblocking socket with an operation already in progress
10038	WSAENOTSOCK	An operation was attempted on something that is not a socket.
10039	WSAEDESTADDRREQ	A required address was omitted from an operation on a socket.
10040	WSAEMSGSIZE	A message sent on a datagram socket was larger than the internal message buffer or some other network limit, or the buffer used to receive a datagram was smaller than the datagram itself.
10041	WSAEPROTOTYPE	Protocol wrong type for socket.
10042	WSAENOPROTOOPT	Bad protocol option.
10043	WSAEPROTONOSUPPORT	The requested protocol has not been configured into the system, or no implementation for it exists.
10044	WSAESOCKTNOSUPPORT	The support for the specified socket type does not exist in this address family.
10045	WSAEOPNOTSUPP	The attempted operation is not supported for the type of object referenced.
10046	WSAEPFNOSUPPORT	Protocol family not supported.



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10047	WSAEAFNOSUPPORT	An address incompatible with the requested protocol was used.
10048	WSAEADDRINUSE	Address already in use.
10049	WSAEADDRNOTAVAIL	The requested address is not valid in its context.
10050	WSAENETDOWN	A socket operation encountered a dead network. This could indicate a serious failure of the network system, the network interface, or the local network itself.
10051	WSAENETUNREACH	A socket operation was attempted to an unreachable network. This usually means the local software knows no route to reach the remote host.
10052	WSAENETRESET	The connection has been broken due to keep-alive activity detecting a failure while the operation was in progress.
10053	WSAECONNABORTED	An established connection was aborted by the software in your host computer, possibly due to a data transmission time-out or protocol error.
10054	WSAECONNRESET	An existing connection was forcibly closed by the remote host.
10055	WSAENOBUFS	An operation on a socket could not be performed because the system lacked sufficient buffer space or because a queue was full.
10056	WSAEISCONN	A connect request was made on an already-connected socket.
10057	WSAENOTCONN	A request to send or receive data was disallowed because the socket is not connected and no address was supplied.
10058	WSAESHUTDOWN	A request to send or receive data was disallowed because the socket had already been shut down in that direction with a previous shutdown call.
10059	WSAETOOMANYREFS	Too many references to some kernel object.
10060	WSAETIMEDOUT	A connection attempt failed because the connected party did not properly respond after a period of time.
10061	WSAECONNREFUSED	No connection could be made because the target computer actively refused it. This usually results from trying to connect to a service that is inactive on the foreign host.
10062	WSAELOOP	Cannot translate a name.
10063	WSAENAMETOOLONG	A name component or a name was too long.
10064	WSAEHOSTDOWN	A socket operation failed because the destination host is down or dead.
10065	WSAEHOSTUNREACH	No route to host.
10066	WSAENOTEMPTY	Cannot remove a directory that is not empty.
10067	WSAEPROCLIM	Too many processes; the number of applications that can use this socket simultaneously has been reached.
10068	WSAEUSERS	Ran out of user quota.
10069	WSAEDQUOT	Ran out of disk quota.
10070	WSAESTALE	The file handle reference is no longer available.



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10071	WSAEREMOTE	The item is not available locally.
10091	WSASYSNOTREADY	This error is returned by WSAStartup if the Windows Sockets implementation cannot function at this time because the underlying system it uses to provide network services is currently unavailable.
10092	WSAVERNOTSUPPORTED	The current Windows Sockets implementation does not support the Windows Sockets specification version requested by the application. Check that no old Windows Sockets DLL files are being accessed.
10093	WSANOTINITIALISED	Successful WSAStartup not yet performed.
10101	WSAEDISCON	Graceful shutdown in progress.
10102	WSAENOMORE	No more results can be returned by the WSALookupServiceNext function.
10103	WSAECANCELLED	A call to the WSALookupServiceEnd function was made while this call was still processing. The call has been canceled.
10104	WSAEINVALIDPROCTABLE	The service provider procedure call table is invalid. A service provider returned a bogus procedure table to Ws2_32.dll. This is usually caused by one or more of the function pointers being NULL.
10105	WSAEINVALIDPROVIDER	The requested service provider is invalid. This error is returned if the protocol entry specified could not be found, or the service provider returned a version number other than 2.0.
10106	WSAEPROVIDERFAILEDINIT	The requested service provider could not be loaded or initialized.
10107	WSASYSCALLFAILURE	A system call that should never fail has failed. This is a generic error code, returned under various conditions.
10108	WSASERVICE_NOT_FOUND	No such service is known. The service cannot be found in the specified name space.
10109	WSATYPE_NOT_FOUND	The specified class was not found.
10110	WSA_E_NO_MORE	No more results can be returned by the WSALookupServiceNext function.
10111	WSA_E_CANCELLED	A call to the WSALookupServiceEnd function was made while this call was still processing. The call has been canceled.
10112	WSAEREFUSED	A database query failed because it was actively refused.
11001	WSAHOST_NOT_FOUND	No such host is known. The name is not an official host name or alias, or it cannot be found in the database(s) being queried. This error may also be returned for protocol and service queries, and means that the specified name could not be found in the relevant database.
11002	WSATRY AGAIN	This is usually a temporary error during host name resolution and means that the local server did not receive a



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		response from an authoritative server. A retry at some time later may be successful.
11003	WSANO_RECOVERY	This indicates that some sort of nonrecoverable error occurred during a database lookup. This may be because the database files (for example, BSD-compatible HOSTS, SERVICES, or PROTOCOLS files) could not be found, or a DNS request was returned by the server with a severe error.
11004	WSANO_DATA	The requested name is valid and was found in the database, but it does not have the correct associated data being resolved for.
11005	WSA_QOS_RECEIVERS	At least one QoS reserve has arrived.
11006	WSA_QOS_SENDERS	At least one QoS send path has arrived.
11007	WSA_QOS_NO_SENDERS	There are no QoS senders.
11008	WSA_QOS_NO_RECEIVERS	There are no QoS receivers.
11009	WSA_QOS_REQUEST_CONFIRMED	The QoS reserve request has been confirmed.
11010	WSA_QOS_ADMISSION_FAILURE	A QoS error occurred due to lack of resources.
11011	WSA_QOS_POLICY_FAILURE	The QoS request was rejected because the policy system couldn't allocate the requested resource within the existing policy.
11012	WSA_QOS_BAD_STYLE	An unknown or conflicting QoS style was encountered.
11013	WSA_QOS_BAD_OBJECT	A problem was encountered with some part of the filterspec or the provider-specific buffer in general.
11014	WSA_QOS_TRAFFIC_CTRL_ERROR	An error with the underlying traffic control (TC) API as the generic QoS request was converted for local enforcement by the TC API. This could be due to an out of memory error or to an internal QoS provider error.
11015	WSA_QOS_GENERIC_ERROR	A general QoS error.
11016	WSA_QOS_ESERVICETYPE	An invalid or unrecognized service type was found in the QoS flowspec.
11017	WSA_QOS_EFLOWSPEC	An invalid or inconsistent flowspec was found in the QOS structure.
11018	WSA_QOS_EPROVSPECBUF	An invalid QoS provider-specific buffer.
11019	WSA_QOS_EFILTERSTYLE	An invalid QoS filter style was used.
11020	WSA_QOS_EFILERTYPE	An invalid QoS filter type was used.
11021	WSA_QOS_EFILTERCOUNT	An incorrect number of QoS FILTERSPECs were specified in the FLOWDESCRIPTOR.
11022	WSA_QOS_EOBJLENGTH	An object with an invalid ObjectLength field was specified in the QoS provider-specific buffer.
11023	WSA_QOS_EFLOWCOUNT	An incorrect number of flow descriptors was specified in the QoS structure.
11024	WSA_QOS_EUNKOWNPSOBJ	An unrecognized object was found in the QoS provider-specific buffer.



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11025	WSA_QOS_EPOLICYOBJ	An invalid policy object was found in the QoS provider-specific buffer.
11026	WSA_QOS_EFLOWDESC	An invalid QoS flow descriptor was found in the flow descriptor list.
11027	WSA_QOS_EPSFLOWSPEC	An invalid or inconsistent flowspec was found in the QoS provider-specific buffer.
11028	WSA_QOS_EPSFILTERSPEC	An invalid FILTERSPEC was found in the QoS provider-specific buffer.
11029	WSA_QOS_ESDMODEOBJ	An invalid shape discard mode object was found in the QoS provider-specific buffer.
11030	WSA_QOS_ESHAPERATEOBJ	An invalid shaping rate object was found in the QoS provider-specific buffer.
11031	WSA_QOS_RESERVED_PETYPE	A reserved policy element was found in the QoS provider-specific buffer.

