

SSL TLS Error Codes on IBM i

The following error codes apply when connecting to or from the IBM i using SSL/TLS (HTTPS).

This data has been copied from the IBM web site page:

<https://www.ibm.com/docs/en/i/7.4?topic=sockets-secure-socket-api-error-code-messages>

SSL Error Codes

Return code	Message ID	Constant name
0	CPCBC80	GSK_OK
1	CPDBCA1	GSK_INVALID_HANDLE
2	CPDBCB3	GSK_API_NOT_AVAILABLE
3	CPDBCB9	GSK_INTERNAL_ERROR
4	CPC3460	GSK_INSUFFICIENT_STORAGE
5	CPDBC95	GSK_INVALID_STATE
8	CPDBCB2	GSK_ERROR_CERT_VALIDATION
107	CPDBC98	GSK_KEYFILE_CERT_EXPIRED
201	CPDBCA4	GSK_NO_KEYFILE_PASSWORD
202	CPDBCB5	GSK_KEYRING_OPEN_ERROR
301	CPDBCA5	GSK_CLOSE_FAILED
402	CPDBC81	GSK_ERROR_NO_CIPHERS
403	CPDBC82	GSK_ERROR_NO_CERTIFICATE

Return code	Message ID	Constant name
404	CPDBC84	GSK_ERROR_BAD_CERTIFICATE
405	CPDBC86	GSK_ERROR_UNSUPPORTED_CERTIFICATE_TYPE
406	CPDBC8A	GSK_ERROR_IO
407	CPDBCA3	GSK_ERROR_BAD_KEYFILE_LABEL
408	CPDBCA7	GSK_ERROR_BAD_KEYFILE_PASSWORD
409	CPDBC9A	GSK_ERROR_BAD_KEY_LEN_FOR_EXPORT
410	CPDBC8B	GSK_ERROR_BAD_MESSAGE
411	CPDBC8C	GSK_ERROR_BAD_MAC
412	CPDBC8D	GSK_ERROR_UNSUPPORTED
414	CPDBC84	GSK_ERROR_BAD_CERT
415	CPDBC8B	GSK_ERROR_BAD_PEER
417	CPDBC92	GSK_ERROR_SELF_SIGNED
420	CPDBC96	GSK_ERROR_SOCKET_CLOSED
421	CPDBC87	GSK_ERROR_BAD_V2_CIPHER
422	CPDBC87	GSK_ERROR_BAD_V3_CIPHER
428	CPDBC82	GSK_ERROR_NO_PRIVATE_KEY
501	CPDBCA8	GSK_INVALID_BUFFER_SIZE
502	CPE3406	GSK_WOULD_BLOCK
601	CPDBCAC	GSK_ERROR_NOT_SSLV3

Return code	Message ID	Constant name
602	CPDBCA9	GSK_MISC_INVALID_ID
701	CPDBCA9	GSK_ATTRIBUTE_INVALID_ID
702	CPDBCA6	GSK_ATTRIBUTE_INVALID_LENGTH
703	CPDBCAA	GSK_ATTRIBUTE_INVALID_ENUMERATION
705	CPDBCAB	GSK_ATTRIBUTE_INVALID_NUMERIC
6000	CPDBC97	GSK_IBMI_ERROR_NOT_TRUSTED_ROOT
6001	CPDBC B1	GSK_IBMI_ERROR_PASSWORD_EXPIRED
6002	CPDBCC9	GSK_IBMI_ERROR_NOT_REGISTERED
6003	CPDBCAD	GSK_IBMI_ERROR_NO_ACCESS
6004	CPDBC B8	GSK_IBMI_ERROR_CLOSED
6005	CPDBCCB	GSK_IBMI_ERROR_NO_CERTIFICATE_AUTHORITIES
6007	CPDBC B4	GSK_IBMI_ERROR_NO_INITIALIZE
6008	CPDBCAE	GSK_IBMI_ERROR_ALREADY_SECURE
6009	CPDBCAF	GSK_IBMI_ERROR_NOT_TCP
6010	CPDBC9C	GSK_IBMI_ERROR_INVALID_POINTER
6011	CPDBC9B	GSK_IBMI_ERROR_TIMED_OUT
6012	CPCBCBA	GSK_IBMI_ASYNCHRONOUS_RECV
6013	CPCBCBB	GSK_IBMI_ASYNCHRONOUS_SEND
6014	CPDBCBC	GSK_IBMI_ERROR_INVALID_OVERLAPPEDIO_T

Return code	Message ID	Constant name
6015	CPDBCBD	GSK_IBMI_ERROR_INVALID_IOCOMPLETIONPORT
6016	CPDBCBE	GSK_IBMI_ERROR_BAD_SOCKET_DESCRIPTOR
6017	CPDBCBF	GSK_IBMI_ERROR_CERTIFICATE_REVOKED
6018	CPDBC87	GSK_IBMI_ERROR_CRL_INVALID
6019	CPCBC88	GSK_IBMI_ASYNCHRONOUS_SOC_INIT
-1	CPDBC81	SSL_ERROR_NO_CIPHERS
-2	CPDBC82	SSL_ERROR_NO_CERTIFICATE
-4	CPDBC84	SSL_ERROR_BAD_CERTIFICATE
-6	CPDBC86	SSL_ERROR_UNSUPPORTED_CERTIFICATE_TYPE
-10	CPDBC8A	SSL_ERROR_IO
-11	CPDBC8B	SSL_ERROR_BAD_MESSAGE
-12	CPDBC8C	SSL_ERROR_BAD_MAC
-13	CPDBC8D	SSL_ERROR_UNSUPPORTED
-15	CPDBC84	SSL_ERROR_BAD_CERT (map to -4)
-16	CPDBC8B	SSL_ERROR_BAD_PEER (map to -11)
-18	CPDBC92	SSL_ERROR_SELF_SIGNED
-21	CPDBC95	SSL_ERROR_BAD_STATE
-22	CPDBC96	SSL_ERROR_SOCKET_CLOSED
-23	CPDBC97	SSL_ERROR_NOT_TRUSTED_ROOT

Return code	Message ID	Constant name
-24	CPDBC98	SSL_ERROR_CERT_EXPIRED
-26	CPDBC9A	SSL_ERROR_BAD_KEY_LEN_FOR_EXPORT
-91	CPDBC B1	SSL_ERROR_KEYPASSWORD_EXPIRED
-92	CPDBC B2	SSL_ERROR_CERTIFICATE_REJECTED
-93	CPDBC B3	SSL_ERROR_SSL_NOT_AVAILABLE
-94	CPDBC B4	SSL_ERROR_NO_INIT
-95	CPDBC B5	SSL_ERROR_NO_KEYRING
-97	CPDBC B7	SSL_ERROR_BAD_CIPHER_SUITE
-98	CPDBC B8	SSL_ERROR_CLOSED
-99	CPDBC B9	SSL_ERROR_UNKNOWN
-1009	CPDBC C9	SSL_ERROR_NOT_REGISTERED
-1011	CPDBC C B	SSL_ERROR_NO_CERTIFICATE_AUTHORITIES
-9998	CPDBC D8	SSL_ERROR_NO_REUSE