

TSS V1.2 Error Code Cheat Sheet

Error	offset	TDDL		TCS		TSP		Description
		Dec	Hex	Dec	Hex	Dec	Hex	
TDDL/TSS_SUCCESS	0	0	0x 00000000	0	0x 00000000	0	0x 00000000	Successful completion of the operation.
TDDL/TSS_E_FAIL	2	4098	0x 00001002	8194	0x 00002002	12290	0x 00003002	An internal error has been detected, but the source is unknown.
TDDL/TSS_E_BAD_PARAMETER	3	4099	0x 00001003	8195	0x 00002003	12291	0x 00003003	One or more parameter is bad.
TSS_E_INTERNAL_ERROR	4			8196	0x 00002004	12292	0x 00003004	An internal SW error has been detected.
TDDL/TSS_E_OUTOFMEMORY	5	4101	0x 00001005	8197	0x 00002005	12293	0x 00003005	Ran out of memory.
TSS_E_NOTIMPL	6			8198	0x 00002006	12294	0x 00003006	Not implemented.
TSS_E_KEY_ALREADY_REGISTERED	8			8200	0x 00002008	12296	0x 00003008	Key is already registered
TSS_E_TPM_UNEXPECTED	16			8208	0x 00002010	12304	0x 00003010	An unexpected TPM error has occurred.
TSS_E_COMM_FAILURE	17			8209	0x 00002011	12305	0x 00003011	A communications error with the TPM has been detected.
TSS_E_TIMEOUT	18			8210	0x 00002012	12306	0x 00003012	The operation has timed out.
TSS_E_TPM_UNSUPPORTED_FEATURE	20			8212	0x 00002014	12308	0x 00003014	The TPM does not support the requested feature.
TSS_E_CANCELED	22			8214	0x 00002016	12310	0x 00003016	The action was canceled by request.
TSS_E_PS_KEY_NOTFOUND	32			8224	0x 00002020	12320	0x 00003020	The key cannot be found in the persistent storage database.
TSS_E_PS_KEY_EXISTS	33			8225	0x 00002021	12321	0x 00003021	The key already exists in the persistent storage database.
TSS_E_PS_BAD_KEY_STATE	34			8226	0x 00002022	12322	0x 00003022	The key data set not valid in the persistent storage database.
TDDL_E_ALREADY_OPENED	129	4225	0x 00001081					The connection was already established.
TDDL_E_ALREADY_CLOSED	130	4226	0x 00001082					The device was not connected.
TDDL_E_INSUFFICIENT_BUFFER	131	4227	0x 00001083					The receive buffer is too small.
TDDL_E_COMMAND_COMPLETED	132	4228	0x 00001084					The command has already completed.
TDDL_E_COMMAND_ABORTED	133	4229	0x 00001085					TPM aborted processing of command.
TDDL_E_IOERROR	135	4231	0x 00001087					The request could not be performed because of an I/O device
TDDL_E_BADTAG	136	4232	0x 00001088					Unsupported TAG is requested
TDDL_E_COMPONENT_NOT_FOUND	137	4233	0x 00001089					the requested TPM component was not found
TSS_E_INVALID_OBJECT_TYPE	257			8449	0x 00002101	12545	0x 00003101	Object type not valid for this operation.
TSS_E_NO_CONNECTION	258			8450	0x 00002102	12546	0x 00003102	Core Service connection doesn't exist.
TSS_E_CONNECTION_FAILED	259			8451	0x 00002103	12547	0x 00003103	Core Service connection failed.
TSS_E_CONNECTION_BROKEN	260			8452	0x 00002104	12548	0x 00003104	Communication with Core Service failed.
TSS_E_HASH_INVALID_ALG	261			8453	0x 00002105	12549	0x 00003105	Invalid hash algorithm.
TSS_E_HASH_INVALID_LENGTH	262			8454	0x 00002106	12550	0x 00003106	Hash length is inconsistent with hash algorithm.
TSS_E_HASH_NO_DATA	263			8455	0x 00002107	12551	0x 00003107	Hash object has no internal hash value.
TSS_E_INVALID_ATTRIB_FLAG	265			8457	0x 00002109	12553	0x 00003109	Flag value for attrib-functions inconsistent.
TSS_E_INVALID_ATTRIB_SUBFLAG	266			8458	0x 0000210A	12554	0x 0000310A	Subflag value for attrib-functions inconsistent.
TSS_E_INVALID_ATTRIB_DATA	267			8459	0x 0000210B	12555	0x 0000310B	Data for attrib-functions invalid.
TSS_E_INVALID_OBJECT_INITFLAG	268			8460	0x 0000210C	12556	0x 0000310C	Wrong flag information for object creation.
TSS_E_NO_PCRS_SET	269			8461	0x 0000210D	12557	0x 0000310D	No PCR register are selected or set.
TSS_E_KEY_NOT_LOADED	270			8462	0x 0000210E	12558	0x 0000310E	The addressed key is currently not loaded.
TSS_E_KEY_NOT_SET	271			8463	0x 0000210F	12559	0x 0000310F	No key information is currently available.
TSS_E_VALIDATION_FAILED	272			8464	0x 00002110	12560	0x 00003110	Internal validation of data failed.
TSS_E_TSP_AUTHREQUIRED	273					12561	0x 00003111	Authorization is required.
TSS_E_TSP_AUTH2REQUIRED	274					12562	0x 00003112	Multiple authorization is required.
TSS_E_TSP_AUTHFAIL	275					12563	0x 00003113	Authorization failed.
TSS_E_TSP_AUTH2FAIL	276					12564	0x 00003114	Multiple authorization failed.
TSS_E_KEY_NO_MIGRATION_POLICY	277			8469	0x 00002115	12565	0x 00003115	There's no migration policy object set for the addressed key.
TSS_E_POLICY_NO_SECRET	278			8470	0x 00002116	12566	0x 00003116	No secret information is currently available for the addressed policy object.
TSS_E_INVALID_OBJ_ACCESS	279			8471	0x 00002117	12567	0x 00003117	The operation failed due to an invalid object status.
TSS_E_INVALID_ENCSCHEME	280			8472	0x 00002118	12568	0x 00003118	Invalid encryption scheme.
TSS_E_INVALID_SIGSCHEME	281			8473	0x 00002119	12569	0x 00003119	Invalid signature scheme.
TSS_E_ENC_INVALID_LENGTH	288			8480	0x 00002120	12576	0x 00003120	Invalid length of data to be encrypted.
TSS_E_ENC_NO_DATA	289			8481	0x 00002121	12577	0x 00003121	No data to encrypt.
TSS_E_ENC_INVALID_TYPE	290			8482	0x 00002122	12578	0x 00003122	Invalid encryption type.
TSS_E_INVALID_KEYUSAGE	291			8483	0x 00002123	12579	0x 00003123	Invalid key usage.
TSS_E_VERIFICATION_FAILED	292			8484	0x 00002124	12580	0x 00003124	Verification of signature failed.
TSS_E_HASH_NO_IDENTIFIER	293			8485	0x 00002125	12581	0x 00003125	Hash algorithm identifier is not set.
TSS_E_INVALID_HANDLE	294			8486	0x 00002126	12582	0x 00003126	An invalid handle
TSS_E_SILENT_CONTEXT	295			8487	0x 00002127	12583	0x 00003127	A silent context requires user input
TSS_E_EK_CHECKSUM	296			8488	0x 00002128	12584	0x 00003128	TSP is instructed to verify the EK checksum and it does not
TSS_E_DELEGATION_NOTSET	297			8489	0x 00002129	12585	0x 00003129	The Policy object does not have a delegation blob set.
TSS_E_DELFAMILY_NOTFOUND	304			8496	0x 00002130	12592	0x 00003130	The specified delegation family was not found
TSS_E_DELFAMILY_ROWEXISTS	305			8497	0x 00002131	12593	0x 00003131	The specified delegation family table row is already in use and the command flags does not allow the TSS to overwrite the
TSS_E_VERSION_MISMATCH	306			8498	0x 00002132	12594	0x 00003132	The specified delegation family table row is already in use and the command flags does not allow the TSS to overwrite the
TSS_E_DAA_AR_DECRYPTION_ERROR	307			8499	0x 00002133	12595	0x 00003133	Decryption of the encrypted pseudonym has failed, due to either a wrong secret key or a wrong decryption condition.
TSS_E_DAA_AUTHENTICATION_ERROR	308			8500	0x 00002134	12596	0x 00003134	The TPM could not be authenticated by the DAA Issuer.
TSS_E_DAA_CHALLENGE_RESPONSE_ERROR	309			8501	0x 00002135	12597	0x 00003135	DAA Challenge response error.
TSS_E_DAA_CREDENTIAL_PROOF_ERROR	310			8502	0x 00002136	12598	0x 00003136	Verification of the credential TSS_DAA_CRED_ISSUER issued by the DAA Issuer has failed.
TSS_E_DAA_CREDENTIAL_REQUEST_PROOF_ERROR	311			8503	0x 00002137	12599	0x 00003137	Verification of the platform's credential request
TSS_E_DAA_ISSUER_KEY_ERROR	312			8504	0x 00002138	12600	0x 00003138	DAA Issuer's authentication key chain could not be verified or is not correct.
TSS_E_DAA_PSEUDONYM_ERROR	313			8505	0x 00002139	12601	0x 00003139	While verifying the pseudonym of the TPM, the private key of the TPM was found on the rogue list.
TSS_E_INVALID_RESOURCE	314			8506	0x 0000213A	12602	0x 0000313A	Pointer to memory wrong.
TSS_E_NV_AREA_EXIST	315			8507	0x 0000213B	12603	0x 0000313B	The NV area referenced already exists
TSS_E_NV_AREA_NOT_EXIST	316			8508	0x 0000213C	12604	0x 0000313C	The NV area referenced doesn't exist
TSS_E_TSP_TRANS_AUTHFAIL	317					12605	0x 0000313D	The transport session authorization failed
TSS_E_TSP_TRANS_AUTHREQUIRED	318					12606	0x 0000313E	Authorization for transport is required
TSS_E_TSP_TRANS_NOT_EXCLUSIVE	319					12607	0x 0000313F	A command was executed outside of an exclusive transport
TSS_E_TSP_TRANS_FAIL	320					12608	0x 00003140	Generic transport protection error.
TSS_E_TSP_TRANS_NO_PUBKEY	321					12609	0x 00003141	A command could not be executed through a logged transport session because the command used a key and the key's public key is not known to the TSP.
TSS_E_NO_ACTIVE_COUNTER	322			8514	0x 00002142	12610	0x 00003142	The TPM active counter has not been set yet.