NX-API Response Codes

Table of NX-API Response Codes

When the request format is in XML or JSON format, the following are the possible NX-API errors, error codes, and messages of an NX-API response.

Note The standard HTTP error codes are at the Hypertext Transfer Protocol (HTTP) Status Code Registry:

http://www.iana.org/assignments or http-status-codes http-status-codes.xhtml.

Table 1: NX-API Response Codes

NX-API Response	Code	Message
SUCCESS	200	Success.
CUST_OUTPUT_PIPED	204	Output is piped elsewhere due to request.
BASH_CMD_ERR	400	Input Bash command error.
CHUNK_ALLOW_ONE_CMD_ERR	400	Chunking allowed only to one command.
CLI_CLIENT_ERR	400	CLI execution error.
CLI_CMD_ERR	400	Input CLI command error.
IN_MSG_ERR	400	Request message is invalid.
NO_INPUT_CMD_ERR	400	No input command.
PERM_DENY_ERR	401	Permission denied.
CONF_NOT_ALLOW_SHOW_ERR	405	Configuration mode does not allow **show**.
SHOW_NOT_ALLOW_CONF_ERR	405	Show mode does not allow configuration.

EXCEED_MAX_SHOW_ERR	413	Maximum number of consecutive **show** commands exceeded. The maximum is 10.
MSG_SIZE_LARGE_ERR	413	Response size too large.
BACKEND_ERR	500	Back-end processing error.
FILE_OPER_ERR	500	System internal file operation error.
LIBXML_NS_ERR	500	System internal LIBXML NS error.
LIBXML_PARSE_ERR	500	System internal LIBXML parse error.
LIBXML_PATH_CTX_ERR	500	System internal LIBXML path context error.
MEM_ALLOC_ERR	500	System internal memory allocation error.
USER_NOT_FOUND_ERR	500	User not found from input or cache.
XML_TO_JSON_CONVERT_ERR	500	XML to JSON conversion error.
BASH_CMD_NOT_SUPPORTED_ERR	501	**bash** command not supported.
CHUNK_ALLOW_XML_ONLY_ERR	501	Chunking allows only XML output.
JSON_NOT_SUPPORTED_ERR	501	JSON not supported due to large amount of output.
MSG_TYPE_UNSUPPORTED_ERR	501	Message type not supported.
PIPE_OUTPUT_NOT_SUPPORTED_ERR	501	Pipe operation not supported.
PIPE_XML_NOT_ALLOWED_IN_INPUT	501	Pipe XML is not allowed in input.
RESP_BIG_JSON_NOT_ALLOWED_ERR	501	Response has large amount of output. JSON not supported.
STRUCT_NOT_SUPPORTED_ERR	501	Structured output unsupported.
ERR_UNDEFINED	600	Undefined.

NX-API Response Codes for JSON-RPC Requests

When the request format is JSON-RPC, the following are the possible NX-API errors, error codes, and messages of an NX-API response:

Table 2: NX-API error for JSON-RPC request format

Code	Message	Meaning
-32700	Parse error.	Invalid JSON was received by the server. An error occurred on the server while parsing the JSON text.

Code	Message	Meaning
-32600	Invalid request.	The JSON sent is not a valid request object.
-32601	Method not found.	The method does not exist or is not available.
-32602	Invalid parameters.	Invalid method parameters.
-32603	Internal error.	Internal JSON-RPC error.
-32000 to -32099	Server error.	Reserved for implementation-defined server errors.