

CLT create-snapshot

create-snapshot

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create-snapshot <file> <address> <OID>
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Creates a snapshot <file> by walking the subtree specified by <OID> at the agent at <address>.

Options:

-A	authPassphrase	Set the authentication pass phrase for authenticated SNMPv3 messages.
-CB		Display brief column headers. Common prefixes will be dropped.
-CH		Do not display column headers.
-Cb	bufferSize	The number of table rows to buffer before computing column sizes.
-Cc	columnWidth	Print table columns with specified character width.
-Cf	columnSeparator	Separate table columns with the specified separator string. The table is printed in compact form. By default columns are separated by spaces and aligned.
-Ch		Display only column headers.
-Ci		Prepend the index for each printed row.
-Cil	lowerBoundIndex	Set the lower bound index for TABLE operations.
-Ciu	upperBoundIndex	Set the upper bound index for TABLE operations.
-Cl		Left justify all cells when printing a table.
-Cn	non-repeaters	Set the non-repeaters field for GETBULK PDUs. It specifies the number of supplied variables that should not be iterated over. The default is 0.
-Cr	max-repetitions	Set the max-repetitions field for GETBULK PDUs. This specifies the maximum number of iterations over the repeating variables. The default is 10.
-Cw		Specify the line width when printing tables
-Dn		Do not use any default option values stored in config.
-E	contextEngineID	Set the context engine ID used for the SNMPv3 scoped PDU. The authoritative engine ID will be used for the context engine ID, if the latter is not specified.
-L	license key	Specify license and associated key. The license info will be saved in the SNMP4J-CLT config file in your home directory. Enter each license part enclosed in quotes, for example by '-L "b6 80 4d 68 3a 8 c0 f4" "O?fwo-3s"'
-M	mibRepositoryPath	Set the path to the MIB repository to be used to resolve object names (OIDs) and parse/format object values ('repository' is the default). The repository directory must contain compiled MIB modules files only.
-Msmi	mibRepositoryPath	Set the path to the MIB repository to be used to resolve object names (OIDs) and parse/format object values ('repository' is the default). The MIB repository directory must contain SMI MIB files (v1/v2). The file names of the MIB files have to match their MIB module name or there has to be a properties file named 'module-index.properties' which maps to the module file by '<modulename>.path=<path>' entries.
-Ors	maxSizeRespPDU	The maximum size of the response PDU in bytes.
-OtCSV		For each SNMP row received exactly one row of comma separated values will printed to the console where the first column contains the row index.
-Otd		Activates dense table operation mode which improves table retrieval performance on regular (dense) tables. This option must not be used with sparse tables.
-OttCSV		Same as -OtCSV except that each row's first column will report the current time (millis after

1.1.1970) when the request has been sent.

-Y	privacyPassphrase	Set the privacy pass phrase for encrypted SNMPv3 messages.
-a	authProtocol	Set the authentication protocol used to authenticate SNMPv3 messages. Valid values are MD5 and SHA.
-bc	engineBootCount	Set the engine boot count to the specified value greater or equal to zero. Default is zero.
-c	community	Set the community for SNMPv1/v2c messages.
-d	debugLevel	Set the global debug level for Log4J logging output. Valid values are OFF, ERROR, WARN, INFO, and DEBUG.
-e	engineID	Set the authoritative engine ID of the command responder used for SNMPv3 request messages. If not supplied, the engine ID will be discovered.
-h	windowSize	Set the window height in rows. If the value is greater than zero, every windowSize rows the user is prompted to continue output. Default is zero.
-l	localEngineID	Set the local engine ID of the command generator and the notification receiver used for SNMPv3 request messages. This option can be used to avoid engine ID clashes through duplicate IDs leading to usmStatsNotInTimeWindows reports.
-m	mibModuleName	Load the specified MIB module from the MIB repository specified by the -M option. The mibModuleName can be a regular expression, e.g. use 'SNMPv2-.*' to load all MIB modules in the repository that start with 'SNMPv2-'.
-n	contextName	Set the target context name for SNMPv3 messages. Default is the empty string.
-r	retries	Set the number of retries used for requests. A zero value will send out a request exactly once. Default is 1.
-s		Suppress any output on stderr (silent mode).
-t	timeout	Set the timeout in milliseconds between retries. Default is 1000 milliseconds.
-u	securityName	Set the security name for authenticated v3 messages.
-v	1 2c 3	Set the SNMP protocol version to be used. Default is 3.
-w	consoleWidth	Specifies the width of the console output, default is 80 characters.
-y	privacyProtocol	Set the privacy protocol to be used to encrypt SNMPv3 messages. Valid values are DES, AES (AES128), AES192, AES256, and 3DES(DESEDE).

Examples:

SNMP4J-CLT -v 2c -c public create-snapshot /tmp/mibdump.sf 127.0.0.1/161 1.3.6