

DASH CLI Commands and Usage

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Introduction:-

The Command Level Interface provides a scripting interface to the C++ High Level DASH API. The CLI is provided with sub commands and targets. Each target has its own sub-commands that are specific to that particular target. Main characteristics of CLI includes. The DASH SDK CLI provides full CLI access to the public Low-and High-Level APIs.

This provide

- The DASH SDK CLI provides CLI access to all of the abstracted features in the High-Level API.
- It can be run as a shell.
- CLI supported commands Examples and usages are shown below in the table.

DASH cli Commands

S. No	Test Case	Usage	Commands
1)	Allowed targets		
	Enumerate Computer System	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate computersystem	
	Enumerate Processor	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate processor	
	Enumerate memory	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate memory	
	Enumerate asset	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate asset	
	Enumerate Power Supply	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate powersupply	
	Enumerate Sensor	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate sensor	
	Enumerate fan	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate fan	
	Enumerate Software	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate software	
	Enumerate BootConfig	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate bootconfig	
	Enumerate User	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate user	
	Enumerate opaquemangementdata	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate opaquemangementdata	

Enumerate Operating System	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate operatingsystem	
Enumerate Bios	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate bios	
Enumerate Battery	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate battery	
Enumerate Role	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate role	
Enumerate Network Port	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate networkport	
Enumerate Dhcp Client	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate dhcpclient	
Enumerate DnsClient	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate dnsclient	
Enumerate IP Interface	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate ipinterface	
Enumerate Text Redirection	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate textredirection	
Enumerate USB Redirection	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate usbredirection	
Enumerate Registered Profile	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate registeredprofile	
Enumerate IndicationFilter	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate indicationfilter	
Enumerate IndicationSubscription	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate indicationsubscription	
Enumerate AlertDestination	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate alertdestination	
Enumerate EthernetPort	dashcli -h 192.168.1.100 -p 623 -u admin -P admin enumerate ethernetport	
2) Computer system target commands		
Show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] show	

	Enumerate Processor within computer system	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] enumerate processor	
	Enumerate Sensor within computer system	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] enumerate sensor	
	Enumerate Fan within computer system	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] enumerate fan	
	Enumerate Processor[0] within computer system	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0]/processor[0]	Like this target commands can be continued until valid targets are present
	Enumerate fan instance with in computer system of processor	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0]/processor[0]/fan[0]	Like this target commands can be continued until valid targets are present
Power commands			
	Power Status command	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] power status	
	Power Control commands.	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] power [on off cycle reset]	
User commands			
	User add	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] user add <user_id> <password>[<organizationname>]	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] user add gnhsoft gnhsoft
Boot config commands			
	Add Bootconfig	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] bootconfig add <existbootconfiginstancenum> <defaultboot>, <nextboot> <bootorderlistfromtemplateinstance>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] bootconfig add 2 0 1
Role commands			
	getsupportedqualifiers	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] role getsupportedqualifiers	

OpaqueManagementData Commands			
	create opaquemangementdata	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] opaquemangementdata create <name> <size> <[storagelocation]>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t computersystem[0] opaquemangementdata create myomd 222
3) Processor target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t processor[0] show	
	Enumerate Memory within processor	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t processor[0] memory	
	Enumerate Sensor within processor	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t processor[0] sensor	
	Enumerate Fan within processor	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t processor[0] fan	
	Enumerate Asset within processor	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t processor[0] asset	
4) Memory target commands			
	Show Memory	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t memory[0] show	
5) Asset target commands			
	Show Asset	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t asset[0] show	
6) Power Supply target commands			
	Show Power Supply	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t powersupply[0] show	
7) Sensor target commands			
	Show Sensor	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t sensor[0] show	
	Sensor reading	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t sensor[0] reading	
	Set Sensor Threshold	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t sensor[0] setthreshold	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t

		Inc unc lc uc lf uf <thresholdvalue>	sensor[0] setthreshold Inc 100
8) Fan target commands			
	Show Fan	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t fan[0] show	
	Set Speed	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t fan[0] setspeed <speed>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t fan[0] setspeed 100
	Enumerate Asset within fan	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t fan[0] enumerate asset	
9) Software target commands			
	Show Software	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t software[0] show	
10) Network Port target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t networkport[0] show	
11) User target commands			
	Show User	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t user[0] show	
	User Delete	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t user[0] delete	
	AssignRoles	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t user[0] assignroles <rolename_1> [<rolename_2> ... <rolename_n>]	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t user[0] assignroles Admin
	RemoveRoles	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t user[0] removeroles <rolename_1> [<rolename_2> ... <rolename_n>]	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t user[0] removeroles Admin
	change password	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t user[0] changepassword <password>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t user[0] changepassword testpasswd
	Account manage	dashcli -h 192.168.1.100 -p 623 -u admin -P admin account <manage>	Performs all account related operations in single command
12) Role target commands			

	Show Roles	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t role[0] show	
	DeleteRoles	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t role[0] delete	
	Getsupportedqualifiers	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t role[0] getsupportedqualifiers	
	Assignpermissions	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t role[0] assignpermissions <permission_1> [<permission_2>... <permission_n>]	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t role[0] assignpermissions \"execute,SP Login\" \"write, Clear Log\" \"execute, KVM redirection\"
	modifyrole	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t role[0] modify <permission_1> [<permission_2>... <permission_n>]	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t role[0] modify \"execute,SP Login\" \"write, Clear Log\" \"execute, KVM redirection
	Roles manage	dashcli -h 192.168.1.100 -p 623 -u admin -P admin roles manage	Performs all role related operations in single command
13) Discovery			
	dash discovery	dashcli -s 192.168.1.100 -e 192.168.1.110 -S http -p 623 discover	
	Dash discovery	dashcli -h 192.168.1.111 -S http -p 623 discover	
	Dash discovery	dashcli -h hounds-demo -S http -p 623 discover	
14) Indication Commands			
	CreateFilter	dashcli -h 192.168.1.100 -u admin -P admin [-a <digest basic>] indication createfilter <querylanguage> <querystring>	dashcli -h 192.168.1.100 -u admin -P admin indication createfilter CQL SELECT * FROM CIM_AlertIndication

CreateDestination	dashcli -h 192.168.1.100 -u admin -P admin [-a <digest basic>] indication createdestination <destination_uri>	dashcli -h 192.168.1.100 -u admin -P admin indication createdestination http://192.168.0.101:8080/eventsink
Staticssubscribe	dashcli -h <host> -u <user> -P <pass> [-a <digest basic>] indication staticsubscribe <destination_uri> <subscribetype> <expirationtimeout> <filter_instance>	dashcli -h 192.168.1.100 -p 623 - admin -P admin indication staticsubscribe http://192.168.0.101:8080/eventsink push 0 1
Dynamicsubscribe	dashcli -h <host> -u <user> -P <pass> [-a <digest basic>] indication dynamicsubscribe <destination_uri> <subscribetype> <expirationtimeout> <<filter_instance> <<querylanguage> <queryfilter> [<resource_uri>]	dashcli -h 192.168.1.100 -p 623 -u admin -P admin indication dynamicsubscribe http://192.168.1.101:8080/eventsink push 0 CQL "SELECT * FROM CIM_AlertIndication"
Collectionsubscribe	Usage: dashcli -h <host> -u <user> -P <pass> [-a <digest basic>] indication collectionsubscribe <destination_uri> <subscribetype> <expirationtimeout> <filtercollection_instance>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin indication collectionsubscribe http://192.168.1.101:8080/eventsink push 0 1
Event listening	dashcli [-p <port>] listenevents	

15) IndicationSubscription Commands

show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t indicationsubscription[0] show	
renew	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t indicationsubscription[0] renew <renewtime>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t indicationsubscription[0] 2009-01-07T03:17:31-06:00
unsubscribe	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t indicationsubscription[0] unsubscribe	

16) Text Redirection

Text redirection show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t textredirection[0] show	
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	TextRedirection activate	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t textredirection[0] activate	
	TextRedirection enable	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t textredirection[0] enable	
	TextRedirection disbale	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t textredirection[0] disable	
	TextRedirection start	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t textredirection[0] start	
17) USB Redirection			
	usb redirection show	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t usbredirection[0] show	
	usb redirection listlocaldrives	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t usbredirection[0] listlocaldrives	
	usb redirection startvmr	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t usbredirection[0] startvmr drive image <driveimagename>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t usbredirection[0] startvmr image c:/images/fedora8.iso
	Usbredirection connect	dashcli -h 192.168.1.100 -p 623 -u admin - P admin usbredirection connect	Perform USB redirection with single command. Use default integrated Web Server to perform redirection.
	Usbredirection disconnect	dashcli -h 192.168.1.100 -p 623 -u admin - P admin usbredirection disconnect	Disconnects the usbredirection session
18) Boot Config target commands			
	Show Boot Config	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t bootconfig[0] show	
	Delete Boot Config	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t bootconfig[0] delete	
	Set Default Boot Config	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t bootconfig[0] setdefault	
	Set Next Boot Config	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t bootconfig[0] setnext	
	Change Boot Order	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t bootconfig[0] changebootorder <newbootorderlist...>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t bootconfig[0]

			chagebootorder 2 1 3
19) Opaquemanagementdata target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] show	
	readdata	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] read <offsettoread> <bytestoread> <[<locktoken>]	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] read 1000 5
	writedata	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] write <offsettowrite> <datatowrite> <[<locktoken>]	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] write 0 abcd
	importfromuri	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] importfromuri <offsettowrite> <bytestowrite> <URI>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] importfromuri 0 100 http://dash.com
	exportfromuri	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] exportfromuri <offsettowrite> <bytestowrite> <URI>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] exportfromuri 0 100 http://dash.com
	reassignowner	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] reassignowner <username>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] reassignowner guest
	assignaccess	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] assignaccess <username> <activities>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] assignaccess Guest Read
	lock	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] lock <true/false>	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0] lock true
	delete	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t opaquemanagementdata[0]	

		delete	
20) Operatingsystem target commands			
	Show operating system	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t operatingsystem[0] show	
21) Bios target commands			
	show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t bios[0] show	
	restoredefaults	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t bios[0] restoredefaults	
	setattribute	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t bios[0] setattribute <attributename> <value_1> [<value_2>...<value_n>]	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t bios[0] setattribute "DMTF:Network Boot ROM" Enable
22) Battery target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t battery[0] show	
	enable	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t battery[0] enable	
	disable	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t battery[0] disable	
	test	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t battery[0] test	
	recharge	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t battery[0] recharge	
23) Registered Profile target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t registeredprofile[0] show	
	isadvertised	dashcli -h 192.168.1.100 -u admin -p 623 -P admin registeredprofile isadvertised "fan"	
24) DNS Client target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t dnsclient[0] show	
25) DHCP Client target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin -P admin -t dhcpclient[0] show	

26) IP Interface target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t ipinterface[0] show	
27) IndicationFilter target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t indicationfilter[0] show	
28) IndicationSubscription target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t indicationsubscription[0] show	
	Delete	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t indicationsubscription[0] delete	
29) AlertDestination target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t alertdestination[0] show	
30) Ethernetport target commands			
	Show	dashcli -h 192.168.1.100 -p 623 -u admin - P admin -t ethernetport[0] show	
31) Capabilities target commands			
	capabilities	dashcli -h 192.168.1.100 -p 623 -u admin - P admin capabilities	