



Instant access, intuitive configuration/navigation, easy standard storage management and advanced features/software options.

Intel® RAID Web Console 2

Powered by LSI* MegaRAID technology

The Intel[®] RAID Web Console 2 provides IT administrators with an easy-to-use tool for managing storage of all sizes. It empowers administrators to optimize storage application performance and data protection. This intuitive GUI enables system administrators to easily deploy all critical system storage functions, including creating and managing virtual drives, adding a drive to a RAID virtual drive and on the fly RAID migration. The Intel RAID Web Console 2 is a HTML-based, object-oriented GUI utility that configures and monitors RAID systems locally or over a network and runs on both Microsoft Windows and Linux operating systems.

The Dashboard View brings the most critical operations and reporting to the administrator's fingertips at the beginning of each Intel RAID Web Console 2 session. It makes it easier to check hardware status, storage utilization and health, RAID5/6 enabling and advanced software feature enabling. Server operations are also allowed, including creating a virtual drive, load configuration, firmware updating, silence alarm, and unlocking advanced software options. The quick links feature detailed "help" tutorials for any questions that may arise.

The Intel RAID Web Console 2 offers RAID 0, 1, 5, and 6 configurations (hardware dependent) and associated spans (10, 50 and 60), while allowing end-users to define specific properties for drive READs and WRITES. Administrators can easily upgrade RAID levels through a simple user interface. If a drive failure occurs, the Intel RAID Web Console 2 will alert the Administrator through a pop-up and email, and provides the option to initiate a rebuild to a hot spare remotely. The Intel RAID Web Console 2 empowers administrators through system health monitors, event logs, system controls and more.

All Intel solutions are thoroughly tested and validated across multiple platforms to ensure they perform at their best. The Intel RAID Web Console 2 performs on both Microsoft Windows and Linux operating systems.



- Instant access via dashboard view
- Intuitive configuration/ navigation
- Easy standard storage management
- Advanced features for data protection and monitoring
- Advanced software options only available through electronic key activation

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Features and Benefits

Simplified RAID Management - Easy Standard Storage Management

The Intel RAID Web Console 2 features numerous improvements that help administrators spend less time configuring and managing their application's storage including: simplified RAID-level migration wizard, Patrol READ properties screen, VD reconstruction wizard and 45 percent reduction in background iterations for RAID 5 volume construction.

- Covers all RAID levels: 0, 1, 10, 5, 50, 6, 60
- READ/WRITE properties
- RAID-level Migration that creates almost limitless adaptability and expansion of any virtual drive
- Email/Pop-up Alerts notify for monitoring failures
- Event Notification/Logging reports

Advanced Features for Data Protection and Monitoring

For those who seek enhanced data protection, the Intel RAID Web Console 2 version 9.00 delivers advanced monitoring features and premium upgrades. It helps avoid potential drive failures with scheduled consistency checks and patrol reads, while delivering monitoring failures via email or a pop-up screen. The RAPID Recovery Snapshot Application extends protection through snapshots, while the Drive Encryption Management provides a user environment for managing self-encrypting drive keys.

- Consistency Checks protects against potential drive failures
- Patrol READs notify of drive failures
- Rapid Recovery Snapshot provides snapshot capabilities
- Drive Encryption Management provides a user environment for managing self-encrypting drive keys

Advanced Performance Options with SSD Cache and Fastpath I/O

Application performance is significantly increased through the SSD Cache with Fastpath I/O, which uses a smaller quantity of Solid State Drives (SSDs) as a large extended READ cache. The Fastpath I/O increases MAX IOP performance by creating an optimized datapath. Intel's Premium Feature option provides improved response times for their data center and small office applications.

- SSD Cache uses a smaller quantity of SSDs as a large extended READ cache in boost application performance
- Fastpath I/O increases MAX IOP performance by creating an optimized datapath



Intel® RAID Web Console 2

Easy to use graphical interface feature highlights

Intel [®] RAID W	the Consolo 2		
CONTRACT IN CATA LINE WAS IN ADDRESS OF THE OWNER OF THE	ed console 2	(intel)	
Shot 13, SATA Sot 14, SATA Sot 14, SATA Pick a RAID level to specify th Sot 15, SATA Rob 14, SATA	amount of fault tolerance and performance for the virtual drive(s) .		6r
- Store 17, SATA - Store 18, SATA - Store 19, SATA	This RAID level is suitable for high performance with zero data redundancy. Choose this option only for non-critical data.	n are candidate drives. A hot	2
Stor 21, SATA Stor 22, SATA Stor 22, SATA Stor 23, SATA Stor 24, SATA	Drive security method will be assigned depending upon the controller setting make the virtual drive secure by applying encryption logic to the data in the	ps. The drive security will a drive	0
T T	Select number of virtual drives to create.	100000	0

1. Create a Virtual Drive

Create, change, add or delete a virtual drive. Make a spanned disk group and hot spares. Remove a drive or change the RAID level of a virtual disk and much more.

board Physical [Logical]		Welcome: administrator (Pul Access)	L
p1-99379Q17COP	Properties		
RES25V240 (13), Connector: Port 0 - 3	Type	CVPM02	
 Sec 12, SATA, 931.513 GB, Online, (\$12.8) Sec 13, SATA, 931.513 GB, Online, (\$12.8) 	Status	Optimal	
 Sot: 14, SATA, 931.513 GB, Online.(512.8) Sot: 15, SATA, 931.513 GB, Online.(512.8) 	Temperature	Normal [24.0 C (75.2 F)]	
 Slot: 16, SATA, 931.513 GB, Online. (\$12.8) Slot: 17, SATA, 931.513 GB, Online. (\$12.8) 	Capacitance	100%	
Slot: 18, SATA, 931.513 GE, Onine. (S12 E) Slot: 19, SATA, 931.513 GE, Onine. (S12 E)	Charging Status	None	
 Slot: 20, SATA, 931, 513 GB, Online, (\$12.8) Slot: 21, SATA, 931, 513 GB, Online, (\$12.8) 	Advanced Properties		
 Slot: 22, SATA, 931.513 GB, Online, (\$12.8) Slot: 23, SATA, 931.513 GB, Online, (\$12.8) 			
Start Manual Learn Cycle			
Set Learn Cycle Properties			

3. Schedule Battery Learn Cycle

Battery calibration can be performed automatically or manually to determine the condition of the battery.



5. Manage Storage Configurations

Numerous functions can be performed including: Initialize a Virtual Disk, Run a Consistency Check, Rebuild a Drive, Remove a Drive and Flash Firmware.

shboard Physical Logical	In second second	- Contraction of Cont	elcome: administrator (Pull Access)	La
Der Bei Alla Contrale SC3 Monthla 12 Control Der State Contrale SC3 Monthla 12 Control Der State C	Ceneral Axin - ed hore	6 9.085 78 1.812 718 256 48 Optimal	10 Policy Write Policy Current Write Policy Default Write Policy Access Policy Current Access Policy Default Access Policy	Direct 10 Winte Back Winte Back with BBU Read Winte Read Winte
Bridosure: RBS29/240 (12), Slot: 21, SAT Bridosure: RBS29/240 (12), Slot: 22, SAT Bridosure: RBS29/240 (12), Slot: 22, SAT	Disk Cache Policy Read Policy	Disable Always Read Ahead	Data Protection Propertie	NE Disabled

2. Replace, duplicate or monitor status

Replace a controller or duplicate an existing storage configuration on a new controller. Monitor the status of disk drives, virtual disks, enclosures and other devices.

wave GoTo Log Tools Help			
Intel [®] RAID Web Co	nsole 2	í	tel)
estosard Physical Logical	Welcome: administrato	r (Pul Access)	Lee.C
wpi-essagtacce	Properties		
E gd Drive Group: 0, RAID 6	Geserat	Data Protection Properties:	
E - Lig Virtual Drive(s): - B - Virtual Drive: 0, 9.086 TB, Partially Dr.	A LOW ALL AND A LOW AND A LOW ALL AND A LOW ALL AND A LOW AND A LOW ALL AND A LOW ALL	Data Protection	Enable
E Conves: C		Firmware Properties:	
 Endosure: RES25V240 (13), Slot: 13, SA Endosure: RES25V240 (13), Slot: 14, SA 	The AND Web CORDER 2	Fermiare Package Version	23.26.)
Endosure: RE525/240 (12), Slot: 14, SA' C Endosure: RE525/240 (12), Slot: 17, SA'	Oritical 2013-10-02, 06:06:13: pretoler ID: 0 Descretor faled on PD: Port 0 - 3:1:15	Fermiare Version	3.270.
Control Biology (1997) 110 Sect. 18, 547 (1997) 10 Sect. 18, 547 (1997) 10 Sect. 19, 567 (1997) 10	Aiets	Fermiare Build Time	3un 17
Endosure: RES25/240 (12), Slot: 20, SA (In Endosure: RES25/240 (12), Slot: 21, SA)	Severity Date / Time Description	Backend SAS Address 0	0x500:
@ Endosure: RE525V240 (12), Slot: 22, 54	Critical 2013-10-02, 06:06:13 Controller 20: 0 Diagnostics failed on	Backend SAS Address 1	0x0
C BOOM E RESERVEN (14), 500 21, 54		Backend SAS Address 2	010
	4 1	Backend SAG Address 3	0x0
		Backend SAS Address 4	0x0
	Damas All Open Item Diamas	Backend SAS Address S	0+0
		CONTRACTOR DATES OF THE CONTRACTOR OF T	10.000

4. Monitor Rebuilds

Monitor the progress in the Group Show Progress window. Operations including: Initializing a Virtual Disk, Rebuild, Reconstruction and Consistency Check.

RAID Web Console 2 - 13.04.03.01 Manages Gr To Log Tools Heb			-10
1 ≤ 0 = 4 0			
Intel [®] BAID Web Console 2		0	(intel)
Inter IAID web console 2	28 - 11 B F	7	(index
Deshboard Physical Logical		metrice environmetric from writeret	
Mareassadtucce	Properties		
Prove Group: 0, RAD 6	Generalt		Data Protection
G G Virtual Drive: 0, 9.006 TB, Partally Degraded	Product Name	Intel (R) RAID Controller RS25A8080	Data Protection
Cir Endoure: RES25V240 (13), Sot: 12, SATA, 931,513 (6, Online, (512 6)	Serial No	5/23425764	Firmware Prop
 PEndosure: RES25/240 (11), Sot: 13, SATA, 921,513 GB, Online, (512 B) PEndosure: RES25/240 (11), Sot: 14, SATA, 921,513 GB, Online, (512 B) 	Vendor ID	0x1000	Firmulare Package
Indosure: RES25V240 (12), Slot: 15, SATA, 921, 513 GB, Rebuild, (512 B) CP Enclosure: RES25V240 (12), Slot: 16, SATA, 921, 513 GB, Online, (512 B)	Subvendor ID	Ox8085	Firmulare Version
- GP Enclosure: RES23/240 (12), Slot: 17, SATA, 931, 513 GB, Online, (512 B) - GP Enclosure: RES23/240 (12), Slot: 18, SATA, 931, 513 GB, Online, (512 B)	Device 10	Ox3b	Femnare Build Ter
Endosure: RES29/240 (12), Slot: 19, SATA, 921, 513 GB, Online, (512 B) (Stationary SES29/240 (12), Slot: 20, SATA, 921, 513 GB, Online, (512 B))	SAS Address	5006058005285520	Backend SAS Add
- Bndosure: RE525/240 (12), Slot: 21, SATA, 921, 513 GB, Online, (512 B)	Boot Error Handing	Stop On Briers	Backend SAS Add
C Broosure: RES25/240 (13), Soc 22, SATA, 921,513 (8, Online,(512.8))	Device Port Count	8	Backend SAS Add
	Host Interface	PCIE	Backend SAS Add
	Hetadata Size	512 MB	Backend SAS Add
	Hest Port Count	0	Backend SAS Add
al I al	1	1	1

6. Monitor Controllers

View the status of all controllers in the left panel and see whether the controller is operating normally.

Antower Gate Lag Test Heb	onsole 2		(intel)
Dashboard Physical Logical	Vielone: admistra	tor (Pull Access)	Leed
(i) (i) <th>Processe Processe Processe</th> <th>9 840 Curtolier 8354000 1994 005285500 Brows</th> <th>Data Protector Data Protector Data Protector Pirmare Padage Primare Vastor Primare badat Tir Bacterio SAS Ado Bacterio SAS Ado Bacterio SAS Ado Bacterio SAS Ado Bacterio SAS Ado</th>	Processe Processe	9 840 Curtolier 8354000 1994 005285500 Brows	Data Protector Data Protector Data Protector Pirmare Padage Primare Vastor Primare badat Tir Bacterio SAS Ado Bacterio SAS Ado Bacterio SAS Ado Bacterio SAS Ado Bacterio SAS Ado

7. Run a Consistency Check

Consistency checks on fault-tolerant virtual disks scan the virtual disk to determine whether consistency data is corrupted and needs to be restored.

RAID Web Console 2 - 13.04.03.01			10)
lanage Go To Log Tools Help			
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Intel RAID Web Conso	le 2		(intel)
			\sim
		Welcome: administrator (Pull Acc	est] L02.0
Dashboard Physical Logical			
W71-9379Q17CCP	Properties		
E Drive Group: 0, RAID 6	Generalt		Emergency Spare
B- 10 Visual Drive(s):	Thesh descent		
E Chives:	Usable Capacity	930.391 08	10000
Condosure: RES25V240 (12), Sot: 12, SATA, 931, 513	I GB, Online, (\$12.8) Raw Capacity	931.513.08	Revision Level
Encosure: RES25/240 (12), Soc 13, SATA, 931, 513	Logical Sector 5	oe 512.8	Media Britor Count
- Colorane Colorad (11), Color II, CATA, 931. Mais Dava Colora	513 GB, Offine,(512 Physical Sector	Size 512.8	Pred Fail Count
Condoure: RE Start Locating Drive 921.513	1 G8, Online, (\$12.8)		
Choosure: RE Stop Locating Drive 921.513	(gt, Online, (\$12.8) Cersned	19	Enclosure Properties:
G Endosure: RE Mark Drive as Missing 911, 511	GB, Online, (S12 B) Product ID	ST 1000MM0011	Endosure 10
Endosure: RE Start Rebuild Marks an of	fine/failed drive of a degraded array as miss	ing in order to prepare for drive replacement	Enclosure Model
C Endoure: RES25/240 (12), Soci 22, SATA, 921,513	GB, Online.(\$12.8) Senal tauriber	22/26/92	Enclosure Location
	Oncire ID		
	Unite 10		Corrector
	Status	Offine	Sot Number
	Drive Speed	6.0 Gbps	Drive Security Properties:
1			
<u>1</u>			

9. Remove a Drive.

Remove a non-failed drive that is connected to the controller safely and easily.

RAID Web Console 2 - 13.04.03.01			_10
€ <u> </u>			
Intel [®] RAID Web Console 2	and a second		(intel)
Deshboard Physical Logical	Vielcome	administrator (Pull Access)	Les.0
W101-P9279Q17COP	Properties		
E Drive Group: 0, RAID 6	General:		Evergency Spare
🕒 😼 Virtual Drive: 0, 9.006 TB, Partally Degraded	Usable Capacity	930.391 68	
Endosure: RES25V240 (13), Sot: 12, SATA, 921, 513 G8, Online, (\$12.8)	Raw Capacity	931.513.08	Revision Level
Enclosure: RES25V240 (12), Slot: 13, SATA, 931, S13 GB, Online, (S12 B) @ Enclosure: RES25V240 (12), Slot: 14, SATA, 931, S13 GB, Online, (S12 B)	Logical Sector Size	5128	Media Error Count
Endouze: RES25V240 (L1), Sol: 15, SATA, 931,513 GB, Rebuild (512 B) (in Endouze: RES25V240 (L1), Sol: 14, SATA, 931,513 GB, Rebuild (512 B)	Physical Sector Size	512.8	Pred Pail Count.
Ge Endosure: RES25/240 (12), Sot: 17, SATA, 921,513 GB, Online, (512 B) (Se Endosure: RES25/240 (12), Sot: 17, SATA, 921,513 GB, Online, (512 B)	Centified	tie	Enclosure Propertie
Control (11), Soc. 19, SATA, 921, 513 GB, Online, (512 B)	Product ID	ST10000440011	Enclosure 10
 - GP Endosure: RES259/240 (13), Soc. 20, SATA, 921, 513 GB, Onine, (512 B) - GP Endosure: RES259/240 (13), Slot. 21, SATA, 921, 513 GB, Onine, (512 B) 	Vendor ID	ATA	Enclosure Model
 Bindosure: RES25/240 (12), Slot: 22, SATA, 921, S13 GB, Online, (S12 B) Bindosure: RES25/240 (12), Slot: 23, SATA, 921, S13 GB, Online, (S12 B) 	Serial Number	201261012	Endosure Location
	Device ID	23	Connector
	Status	Rebuild	Slot Number
	Drive Speed	6.0 Gbps	Drive Security Prop
	4		1 1

11. Rebuild a Drive

When a drive fails, if dedicated or global hot-spare disks are available, the failed drive is rebuilt automatically without any user intervention.

• 0	40 O			- 10 T	
Intel®	RAID Web Console	2		ecome: administrator (Pull Access)	(intel)
dard Physical ht-P9279QE700P	Logical		Properties		
Drive Gro	Deable Alarm Alarce Alarm	r i	General		Data Protecti
	Start Patrol Read	1 1	Product Name	Intel (R) RAID Controller RS25A8080	Data Protection
Ballove	Set Patrol Read Properties	Online.(\$12.6)	Serial No	5/23425764	Firmware Pro
-90	Disable SSD Guard	Online, (\$12.6)	and the second sec	0.1000	
- 20	Scan Pereign Configuration	Online.(\$12.0) Rebuild.(\$12.0)	Vencor ID	DEDGU	reminant Packag
-90	Clear Configuration	Online.(\$12.8)	Subviendor ID	0x8086	Firmware Version
-00	Set Consistency Check Properties	Online, (\$12.8) Online, (\$12.8)	Device 10	0x9b	Ferminane Build T
-90		Online. (\$12.8)	535 249 mm	5006059005285520	Restand Sat an
-90	Set Adjustable Task Rates	Online, (\$12.8)			
-00	Preserved Cache	Online.(\$12.6)	Boot Ervor Handling	Stop On Briers	Backend SAS Ad
-90	Hanage Power Save Settings	Online.(\$12.8)	Device Port Count		Backend SAS Ad
	Update Controller Primiare Manage MegaRAID Advanced Software Options		Hest Interface	PCIE	Backend SAS Ad
	Manage Link Speed		Hetadata Size	512 MB	Backend SAS Ad
	58VE 117 L00		10000000000000000000000000000000000000		A CONTRACTOR OF A CONTRACTOR

8. Scan for New Drives

The Intel RAID Web Console 2 normally detects newly installed disk drives and other storage devices. The **Scan for Foreign Configuration** feature can be used as well.

Int	el RAID Web Console 2	0	(int	eļ)
Deshboard	Intel [®] RAID Web Console 2		(intel)	Las.St
	Select Part I have note: National multiple of Physical drives allowed for Parel Read concurrently: 13733 Pocket Re 111-bit drives for Interest hynold drives, Parel Read should be performed: Natural Drive What Drive What Drive What Drive	Add >> Add A>> Exempt < Permitte Af e.c.	ontaal dhive: Tantad Dhive	stection ection e Prope Package Version Build Tir JAS Adds JAS Adds
	Patrol Read Interval Select: Weekly <u>*</u> F Run Patrol Read non-stop.			LAS Add
<u></u>	Patrol Read Schedule P Reform Read Hand Hoten I press OC. Start Patrol Read with a lower: Time: North: Date: Year: Time: North: Date: Year: Time: North: Date: Year: Time: Year: Year			145 466 145 466

10. Run a Patrol Read.

Periodically verify all sectors of physical disks that are connected to a controller, including the system reserved area in the RAID configured drives.

		a di ang		e	
arboard Physical Lopical	Intel [®] RAID Web Console 2		or (Full Access)		Log
the (II) RAID Controller R52548080(Bus 128,Dev1 Burne Group: 0, RAID 6 Burne Group: 0, RAID 6 Burne Group: 0, RAID 6	[Alert Settings] Mail Server Bhail		r Spare	No	
What Drives 0, 9,065 TB, Opmail Drives 0, 9,065 TB, Opmail Drives 0, 9,065 TB, Opmail Drives 0,00 are back and the derive of uncer back and the derive back and the derive back and the derive back and the derives of the the back and the derives of the the the			p-et	SN02	
Endosure: RE525V240 (13), Slot: 14, 5	fereitr (end	Slavt Dalwary Mathed	r Count	0	
 Enclosure: RES2V240 (13), Sect. 15, Sect. 15, Sect. 16, Sect. 1	Fabi	System Log,RWC2 Log.Popup,Email	ount	0	
 Enclosure: RE525V240 (13), Slot: 17, 5 Enclosure: RE525V240 (13), Slot: 18, 5 	Critical Warming	System Log,RWC2 Log, Popup System Log,RWC2 Log	e Properties:		
Endosure: RE525/240 (13), Slot: 19, S	antormation	System Log Arriver Log	- p	13	
Endosure: RE525/240 (13), Sot: 20, Sot: 21, S			and and	DECTO AND	
Enclosure: RE525V240 (13), Sol: 22, 5					
- GP Encodure: RE5223Y240 (11), SIDI: 23, S			Location	Internal	
	Change Individual Events			Port 0 - 3	
				115	
			- Case an		
	Concession I. Lawrence	ana oli ET	curity Properties:		

12. Configure an Email Alert

From the menu bar, go to the tools, choose Monitor and then configure alerts. Then choose the mail server tab, and enter user name and password.

StorCLI Command Line Tool

The Storage Command Line Tool (StorCLI) is the command line management software adapted from legacy 3Ware and LSI* MegaCLI for the Intel® RAID product line. The Storage Command Line Tool allows for the same features described in the Intel RAID Web Console 2 section above to be implemented albeit without the Graphical User Interface. The StorCLI is a command line interface that is designed to be easy to use, consistent, and easy to script.

A complex StorCLI command along with the parameter descriptions is shown below in order to help convey the powerful capabilities of this tool.

Add Virtual Drives Commands

The Storage Command Line Tool supports the following commands to add virtual drives:

storcli /cx add vd type=raid[0|1|5|6|10|50|60][Size=<VD1_Sz>,<VD2_Sz>,.|*all] [name=<VDNAME1>,..] drives=e:s]e:s-x]e:s-x,y:e:s-x,y:z [PDperArray=x][SED] [pdcache=on]off]*default][pi] [DimmerSwitch(ds)=default]automatic(auto)] *none[maximum(max)]MaximumWithoutCaching(maxnocache)][cachevd] [wt1*wb] [nora|*ra] [*direct[cached] [CachedBadBBU]*NoCachedBadBBU] [Strip=<8|16|32|64|128|256|1024>] [AfterVd=X] [Spares = [e:]s][e:]s-x.[e:]s-x.y] [force]

storcli /cx add vd each type=raid0 [name=<VDNAME1>,..] [drives=e:s]e:s-x,y] [SED] [pdcache=on|off]*default][pi] [DimmerSwitch(ds)=default|automatic(auto)] *none|maximum(max)|MaximumWithoutCaching(maxnocache)] [wt]*wb] [nora]*ra] [*direct[cached] [CachedBadBBU]*NoCachedBadBBU][Strip=<8|16|32|64|128|256|1024]

storcli /cx add VD cachecade|cc Type = raid[0,1,10] drives = [e:]s|[e:]s-x|[e:]s-x,y [WT| WB [assignvds = 0,1,2

This command creates a RAID configuration. You can use the following options to create the RAID volume:

NOTE * indicates default values.

The detailed description for each command follows.

storcli /cx add vd type=raid[0|1|5|6|10|50|60][Size=<VD1_Sz>,<VD2_Sz>,..|*all] [name=<VDNAME1>,..]

drives=e:s|e:s-x,|e:s-x,y;e:s-x,y,z [PDperArray=x][SED] [pdcache=on|off|*default][pi] [DimmerSwitch(ds)=default|automatic(auto)| *none|maximum(max)]MaximumWithoutCaching(maxnocache)][cachevd]

[wt]*wb][nora|*ra][*direct[cached][CachedBadBBU]*NoCachedBadBBU] [Strip=<8|16|32|64|128|256|1024>]

[AfterVd=X] [Spares = [e:]s|[e:]s-x|[e:]s-x,y] [force]

Input example:

storcli /cx add vd cc|cachecade type=[0,1,10] drives=[e:]s|[e:]s-x|[e:]s-x,y [[wt|*wb]] [assionvds=0.1.2]

This command creates CacheCade virtual drives and associates existing virtual drives to CacheCade virtual drives. You can use the following options to create the CacheCade virtual drive.

Option	Value Range	Description
cachecade	-	Creates a CacheCade virtual drive.
type	0, 1, 10	Sets the RAID type of the Cache- Cade virtual drive.
drives	Valid enclosure number and valid slot number	See the drives row in the previous table for format.
wt wb	wt: Enables write through. wb: Enables write back.	Enables or disables write cache.
assignvds	Valid virtual drive number (O to 63)	Specifies the list of virtual drives associated with the new Cache- Cade virtual drives.

Input example:

storcli /c0 add vd type=raid10 size=2gb,3gb,4gb names=tmp1,tmp2,tmp3 drives=252:2-3, 7

Option	Value Range	Description
type	RAID [0 1 5 6 10 50 60].	Sets the RAID type of the configuration.
size	Maximum size based on the physical drives and RAID level.	Sets the size of each virtual drive. The default value is for the capacity of all referenced disks.
name	15 characters of length.	Specifies the drive name for each virtual drive.
drives	Valid enclosure number and valid slot	In e:s e:s-x e:s-x,y:
	numbers for the enclosure.	• e specifies the enclosure ID.
		• s represents the slot in the enclosure.
		• e:s-x is the range convention used to represent slots s to x in the enclosure e.
pdperarray	0 to 15.	Specifies the number of physical drives per array.
		The default value is automatically chosen.
sed	-	Creates security-enabled drives.
pdcache	on off default.	Enables or disables PD cache.
рі	-	Enables protection information.
dimmerswitch	default: Logical device uses controller	Specifies the power-saving policy.
	default power-saving policy.	Sets to default automatically.
	automatic (auto): Logical device power	
	savings are managed by firmware.	
	none: No power-saving policy.	
	maximum (max): Logical device uses maximum	
	power savings.	
	MaximumWithoutCaching	
	(maxnocache): Logical device does not cache	
	write to maximize power savings.	
direct cached	cached: Cached I/O.	Sets the logical drive cache policy.
wit Lwib	wt: Write through	Enables write through
wijwo	wb: Write back.	Write back is the default.
nora ra	ra: Read ahead. nora: No read ahead.	Disables read ahead. Enabled is the default.
cachedbadbbu nocachedbadbbu	cachedbadbbu: Enable bad BBU caching.	Enables caching when BBU is not functioning.
	nocachedbadbbu: Disable bad BBU caching.	Disabled is the default.
cachevd	-	Enables SSD caching on the created virtual drive.
strip	8, 16, 32, 64, 128, 256, 512, 1024.	Sets the strip size for the RAID configuration.
aftervd	Valid virtual drive number.	Creates the VD in the adjacent free slot next to the specified VD.
spares	Number of spare physical drives present.	Specifies the physical drives that are to be assigned to a disk group for spares.
force	-	Forces a security-capable physical drive to be added to a drive group without security.



For more information about the Intel RAID Web Console 2 and StorLib Command Line Tool, please see the Software Users Guides available at www.intel.com/go/RAID

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