

Preparing the boot media/installer with the ISO file:

Download and extract the ISO file with your favorite uncompressing/extracting software (for example: 7zip or WinZip[®] programs) to an empty USB Flash Drive. The ISO can be obtained from here: https://www.open-e.com/download/open-e-jovian-data-storage-software/

After extracting the ISO file on your USB Flash Drive, the root directory must contain ONLY the following directories: bxxxx, boot, and file mmenu_upd.sh where the xxxx is the software build number.

- To make your USB Flash Drive bootable, enter the "boot" directory and run the "bootinst.exe" (For Windows) or "bootinst.sh" (For Linux). Follow the prompt then remove the USB Flash Drive.
- You can now boot your storage server with USB Flash Drive.
- **NOTE** The prepared USB Flash Drive will run the software installer by default. If you desire to test or for nonmission critical or non-production usage, the USB Flash Drive can boot Open-E JovianDSS instead of running the software installer to install other boot media. To make this default change, run the "config.exe" from the boot directory and select "r" to remove the default boot of the software installer.

Booting Open-E JovianDSS:

General Hardware requirements

- The minimum size for the JovianDSS boot medium is 16GB. A recommended JovianDSS boot medium uses a HDD or SSD device. The USB Flash Drive can be used as a JovianDSS boot medium for testing purposes or non-mission critical applications.
- It is necessary to use ECC RAM modules in the system.
- Single node supports SATA hard disk drives, but SAS disks are recommended for performance.
- HA-Cluster setup require SAS-hard disks.
- Minimum of 8GB RAM plus 1GB per 1TB of pool space.
- Mirrored "Write Log" is recommended.
- Uninterruptible Power Supply (UPS) is strongly recommended.

Plug your installer media (USB Flash Drive) into the storage appliance.

The first boot menu will show the software version. You can press enter or it will skip and continue automatically within 5 seconds.



The second menu allows you to select to boot Open-E JovianDSS or to install the software on a writable boot media in your system using the interactive installer utility. Select "Run software installer" to install Open-E JovianDSS on a writable boot media in your system.

Please follow the instructions while running the installer. The installer optionally can install the system on a single disk or on mirrored disks (RAID1). If single disk is selected, it is still creating degraded RAID1 on the single disk but system will not create error events about degraded RAID1. It will be possible to add a second disk and get redundant RAID1 anytime in the future.

Once the boot media become redundant RAID1 the system will generate errors events if any disk of the mirror is failed.

Welcome to the software installer	
Installation options	
Please select system volume configuration	
Single disk	
Mirrored disks (RAID-1) - recommended	
< Back > < Next >	
Back / HEXL /	
Navigate: UP / DOWN / LEFT / RIGHT Confirm choice: ENTER	

Finally, reboot your storage server from the new boot media (set your BIOS boot options back from USB to the medium where you installed the software).

NOTE

Open-E JovianDSS can be used for evaluation up to 60 days with the trial product key. The Trial Key can be downloaded after registration from:

https://www.open-e.com/partner-portal/partner-area/warehouse/jovian/

When you decide to purchase the full version, you can continue to use the software and all your data and settings will remain intact.

You will see an option to run a memory test on the system by choosing "Run Memtest utility" in the first menu.

In order to convert the trial version to the full version, please enter your Open-E JovianDSS product key and storage capacity key in the WebGUI menu "about" section.

Storage Configuration:

Step 1. Initialize hardware

Before using Open-E JovianDSS you should have the hard disk drives connected to the SATA and SAS ports on the motherboard or SAS HBA, and the LAN Card and other NICs already in your server.

Connect the keyboard and monitor (they will be needed for setup only). Later you can run the server in "headless mode" (without keyboard and monitor).

NOTE: Please check the motherboard BIOS if the "headless mode" is enabled. In some cases, systems will not boot if the keyboard is not connected. You'll find more about the headless mode in the motherboard's BIOS manual.

Step 2. Preparing for the WebGUI administration

After the boot process has finished, Open-E JovianDSS will show you information about all its network settings. The standard IP Address setting for Open-E JovianDSS is: IP address 192.168.0.220 and Netmask 255.255.255.0. This setting can be changed manually by entering the following key sequence: left "**Ctrl**" + left "**Alt**" + "**N**".

Step 3. Entering the product key and logging into Open-E JovianDSS

Connect to Open-E JovianDSS via the network using any standard browser, and type the IP address to the URL entry line:

https://192.168.0.220

Next, a window for entering the product key will appear. If you already have one, please enter it and click the apply button. Log into Open-E JovianDSS by using the default password: "*admin*". Now you will be able to set all server parameters to get started.

NOTE: Be aware that the password is case-sensitive.

Step 4. Create zpools

• To create a new zpool, please go to the "Storage" menu then Click the "Add zpool" button in the upper right corner to run the "Zpool wizard".

JovianDSS				(i) About	() Help	🖻 Logout
Storage	Storage				() Rescan	+ Add zpool
O စြံ User Managemen	No imported zpools have been four	d in the system. Import a zpool (if there are zpools a	vailable for import) or create	a new zpool by clicking	"Add zpool" butt	on.
Failover Settings	Zpools available for in	nport				
Storage Settings	No external zpools available for the	import have been found.				
Backup & Recovery	Unassigned disks					
System Settings	Local disks Remote d	isks				
Diagnostics	Search					
	Name	Serial number	Size	Model		Blink
	1 sdb	8300A001FS44	136.98 GiB	MK1401GRRB		•
	2 sdc	2320A037FTR6	838.36 GiB	AL13SEB900		•
	3 sdd	13R0A0X9FTR6	838.36 GiB	AL13SEB900		•
	4 sde	2320A035FTR6	838.36 GiB	AL13SEB900		•
	5 sdf	2320A04JFTR6	838.36 GiB	AL13SEB900		•
	6 sdg	43G0A063TVL6	186.31 GiB	PX02SMF020		•
	7 sdh	84S0A00ETZQ1	186.31 GiB	PX03SNF020		•
	8 sdi	BTTV33120CVC100FGN	93.16 GiB	INTEL SSDSC2BA10		•
	9 sdj	BTTV2514044D100FGN	93.16 GiB	INTEL SSDSC2BA10		•
	10 sdk	83S0A01HFS44	136.98 GiB	MK1401GRRB		•
	11 sdl	9350A003FS44	136.98 GiB	MK1401GRRB		•
	12 adm	0270400//5544	126.00 CiP	MICHANCODR		



- open-e JovianDSS ? × please select disks on the left, select redundancy ty "Add group" butter Available disks C Show only unused disks C Rescan disks Data groups Size Name Id Size Blink sdb wwn-0x50000394f82b7660 sdc wwn-0x500003949800ae90 136.98 GiB 🌒 838.36 GiB 🌒 838.36 GiB sdd wwn-0x5000039488303270 sde wwn-0x500003949800ae88 838.36 GiB 🌒 sdf wwn-0x500003949800af60 838.36 GiB • sdg wwn-0x50000394bc888608 186.31 GiB sdh wwn-0x50000395bc8b3f74 186.31 GiB Zpool storage capacity: 0.00 B Used licensed storage capacity: 0.00 B sdi wwn-0x55cd2e404b41a4a2 93.16 GiB 🌒 0 wwn-0x50015178f35a8666 93.16 GiB 🌒 Other groups Size sdj . 136.98 GiB sdk wwn-0x50000394f838713c . sdl wwn-0x5000039508086c2c 136.98 GiB 🛛 🌒 0 136.98 GiB wwn-0x500003950809e87c sdm • 136.98 GiB 🌒 sdn wwn-0x50000395080a232c . • 0 + Add group 0 X Cancel Next > . ons 🗿 0 🛕 0 🛛 0
- After starting the "Zpool wizard" all available disks will be listed.

Next, select the disks and redundancy level and click on the "Add group" button.

	Zpool wizard										+ Add
r Manager		Av	a <mark>ilable</mark> disk	S						ks on the list on the	
over Settin	2. Add write log	O	Show only un	used disks			O Rescan	disks	"Add group" butto	10	
			Name	ld			Size	Blink	Data groups	Size	
rage Settin			sdb	wwn-0x5	0000394f82b7660		136.98 GiB	٠			
kup 6			sdc	wwn-0x5	00003949800ae90		838.36 GiB	•			
sweny			sdd	wwn-0x5	000039488303270		838.36 GiB	•			
em Settin			sde	wwn-0x5	00003949800ae88		838.36 GiB	•			
			sdf	wwn-0x5	00003949800af60		838.36 GiB	•			
priorities:			sdg	wwn-0x5	0000394bc888608		186.31 GiB	٠			
			sdh	wwn-0x5	0000395bc8b3f74		186.31 GiB	•	Zpool storage capacity:	0.00 B	
			sdi	wwn-0x5	5cd2e404b41a4a2		93.16 GiB	٠	Used licensed storage of	capacity: 0.00 B	
			sdj	wwn-0x5	0015178f35a8666		93.16 GiB	•	Other groups	Size	
			sdk	wwn-0x5	0000394f838713c		136.98 GiB	•			
			sdl	wwn-0x5	000039508086c2c		136.98 GiB	•			
			sdm	wwn-0x5	00003950809e87c		136.98 GiB	•			
			sdn	wwn-0x5	0000395080a232c		136.98 GiB	•			
			Select redundan	cy for group:	Mirror (single group)	~	+ Add gr	oup			
									× Cance	Next >	



• The created group will be displayed in the "Configuration preview" window on the right side.

Zpool wizard								+ Add zp
					_	Data groups	Size	
1. Add data group	AV	ailable di	SKS			Mirror	×	
2. Add write log	C	Show only	unused disks	🔿 Rescan	disks	- 🗑 sdc	838.36 GiB	
a statement without		Name	Id	Size	Blink	sdd	838.36 GiB	
3. Add read cache		sdb	wwn-0x50000394f82b7660	136.98 GiB	•			
4. Add spare disks		sde	wwn-0x500003949800ae88	838.36 GiB	٠			
		sdf	wwn-0x500003949800af60	838.36 GiB	•			
5. Zpool properties		sdg	wwn-0x50000394bc888608	186.31 GiB	•			
6. Summary		sdh	wwn-0x50000395bc8b3f74	186.31 GiB	٠			
		sdi	wwn-0x55cd2e404b41a4a2	93.16 GiB	•	Zpool storage cap	acity: 838.36 GiB	
		sdj	wwn-0x50015178f35a8666	93.16 GiB	•		rage capacity: 838.36 GiB	Blink
		sdk	wwn-0x50000394f838713c	136.98 GiB	•	Other groups	Size	
		sdl	wwn-0x5000039508086c2c	136.98 GiB	•			
		sdm	wwn-0x500003950809e87c	136.98 GiB	•			
	Ω.	sdn	wwn-0x50000395080a232c	136.98 GiB	•			
				→ Add g	roup			
						× 0	ancel Next >	
11 sdl			9350A003FS44		120	98 G/B / MK1401GR	80	

- In this example we have 2 mirror groups added.
- The created 2 mirror groups will be displayed in the "Configuration preview" on the right side. After adding all groups click the "Next" button.

Zpool wizard								× + Add 2
	Avai	lable disk	5			Data groups	Size	
2. Add write log	0:	Show only uni	used disks	C Rescan	disks	B Mirror	838.36 GiB	×
	1	Name	Id	Size	Blink	👘 sdd	838.36 GiB	
		sdb	wwn-0x50000394f82b7660	136.98 GiB	٠	Mirror		×
		sdg	wwn-0x50000394bc888608	186.31 GiB	•	- 🗑 sde	838.36 GiB	
		sdh	wwn-0x50000395bc8b3f74	186.31 GiB	٠	- 🗑 sdf	838.36 GiB	
		sdi	wwn-0x55cd2e404b41a4a2	93.16 GiB	•			
		sdj	wwn-0x50015178f35a8666	93.16 GiB	٠			
		sdk	wwn-0x50000394f838713c	136.98 GiB	•	Zpool storage	e capacity: 1.64 TiB	
		sdl	wwn-0x5000039508086c2c	136.98 GiB	•		d storage capacity: 1.64 TiB	Blink
		sdm	wwn-0x500003950809e87c	136.98 GiB	•	Other groups	s Size	
		sdn	wwn-0x50000395080a232c	136.98 GiB	•			
	S			V + Add g	roup			
	-							
						3	K Cancel Next	
11 sdl								



In the next step you can create a write log (ZIL on SLOG).
 NOTE: Mirrored and fast SSD disks are strongly recommended for the random writes IOPS.

age	Zpool wizard				1 ×	+ Add
r Manage i	1. Add data group	Available d	sks		Data groups Size	
over Settin	2. Add write log	C Show only	unused disks	🕒 Rescan disks	- Mirror ×	
	3. Add read cache	Name	Id	Size Blink	sdd 838.36 GiB	
ngo Serri		🗌 sdb	wwn-0x50000394f82b7660	136.98 GiB 🌒	E Mirror ×	
kup &		sdg	wwn-0x50000394bc888608	186.31 GiB 🌒	- 🗑 sde 838.36 GiB	
overy		🗌 sdh	wwn-0x50000395bc8b3f74	186.31 GiB 🌒	- 🗑 sdf 838.36 GiB	
iem Settin		🔲 sdi	wwn-0x55cd2e404b41a4a2	93.16 GiB 🌒		
		🗌 sdj	wwn-0x50015178f35a8666	93.16 GiB 🌒		
gnostics		sdk	wwn-0x50000394f838713c	136.98 GiB 🌒	Zpool storage capacity: 1.64 TiB	
		🗌 sdl	wwn-0x5000039508086c2c	136.98 GiB 🌒	Used licensed storage capacity: 1.64 TiB	Blink
		sdm	wwn-0x500003950809e87c	136.98 GiB 🌒	Other groups Size	
		🗌 sdn	wwn-0x50000395080a232c	136.98 GiB 🌒		
		The section of the se		Add group		
		Selecteduit		T Add group		
					X Cancel < Back Next >	
			9350A003F844	13	6 98 GiB MK1401GRRB	

• Select the fastest disks from the list on the left and create a mirror set for the redundancy level, then click the "Add group", and then the "Next" button.

Zpool wizard											1 ×	+ Add a
1. Add data group	Av	ailable dis	sks					Data	groups		Size	
2. Add write log	0	Show only	unused disks			🕞 Rescan	disks	8	Mirror	į	× 838.36 GiB	
		Name	Id			Size	Blink		🗑 sdd)	838.36 GiB	
3. Add read cache		sdb	wwn-0x500	00394f82b7660		136,98 GiB	٠		Mirror		×	
4. Add spare disks		sdg	wwn-0x500	000394bc888608		186.31 GiB	•		🗑 sde		838.36 GiB	
		sdh	wwn-0x500	000395bc8b3f74		186.31 GiB	٠		🗑 sdf		838.36 GiB	
5. Zpool properties		sdi	wwn-0x550	cd2e404b41a4a2		93.16 GiB	•					
6. Summary		sdj	wwn-0x500)15178f35a8666		93.16 GiB	•					
6. Summary		sdk	wwn-0x500	000394f838713c		136.98 GiB	•	Zpor	storage capa	city: 1.64	TIB	
		sdl	wwn-0x500	00039508086c2c		136.98 GiB	•	Use	d licensed stor	age capa	city: 1.64 TiB	
		sdm	wwn-0x500	0003950809e87c		136.98 GiB	•	Othe	r groups		Size	Blink
		sdn	wwn-0x500	000395080a232c		136.98 GiB	•					
		Select redund	ancy for group:	Mirror	~	+ Add g	roup					
												•
							×	Cance	el < E	Back	Next >	•
11 sd												



- open-e JovianDSS ? 🗙 Data groups Size Available disks 1. Add data group B Mirror × C Show only unused disks C Rescan disks - 🗑 sdc 838.<mark>36</mark> GiB 🗑 sdd 838.36 GiB Name Id Size Blink wwn-0x50000394f82b7660 Mirror × 136.98 GiB sdb - 🗑 sde 186.31 GiB 838.36 GiB wwn-0x50000394bc888608 sdg 🗑 sdf 838.36 GiB 186 31 GiB sdh wwn-0x50000395bc8b3f74 sdk wwn-0x50000394f838713c 136.98 GiB 🌒 wwn-0x5000039508086c2c 136.98 GiB 🛛 🔵 sdl 136.98 GiB wwn-0x500003950809e87c sdm Zpool storage capacity: 1.64 TiB Used licensed storage capacity: 1.64 TiB sdn wwn-0x50000395080a232c 136.98 GiB 🌒 Other groups Size • B Mirrored write lo × • - 🗑 sdi 93.16 GiB . - 🗑 sdj 93.16 GiB . • + Add group • • 🗙 Cancel < Back Next > • 00 40 00
- The created "write log" will be displayed in the "Configuration preview" on the right side.

 In the next step you will want to create the read cache. Select the disks from the list on the left and select redundancy "Read Cache", type and click "Add group", and then the "Next" button.
 NOTE: For fast random read IOPS it is recommended to use SSD disks.

Zpool wizard								+ Add
1. Add data group	Ava	ailable di	sks		Data	a groups	Size	
2. Add write log			unused disks	🕞 Rescan disks	;	Mirror	× 838.36 GiB	
2 Add and analys		Name	Id	Size Blir	nk	sdd 🗑	838.36 GiB	
3. Add read cache		sdb	wwn-0x50000394f82b7660	136.98 GiB		Mirror	×	
4. Add spare disks		sdg	wwn-0x50000394bc888608	186.31 GiB		- 🗑 sde	838.36 GiB	
		sdh	wwn-0x50000395bc8b3f74	186.31 GiB		- 🗑 sdf	838.36 GiB	
5. Zpool properties		sdk	wwn-0x50000394f838713c	136.98 GiB				
6. Summary		sdl	wwn-0x5000039508086c2c	136.98 GiB	•			
		sdm	wwn-0x500003950809e87c	136.98 GiB		ol storage capacity: 1	1.64 TiB	
		sdn	wwn-0x50000395080a232c	136.98 GiB	and the second	ed licensed storage ca		
						er groups	Size	
					•	Mirrored write log		
						- 🗑 sdi	93.16 GiB 93.16 GiB	
						— 🎯 sdj	93.16 GID	
		Select redund	lancy for group: Single	Add group				
	-				<		>	
					× Canc	el < Back	Next 🗲	
ti sdi								



- open-e JovianDSS Zpool wizard ? 🗙 Data groups Size Available disks 1. Add data group B Mirror × Δdd rite log C Show only unused disks C Rescan disks - 🗑 sdc 838.<mark>36</mark> GiB 🗑 sdd 838.36 GiB Name Id Size Blink wwn-0x50000394f82b7660 B Mirror 136.98 GiB × sdb - 🗑 sde 136.98 GiB 838.36 GiB wwn-0x50000394f838713c sdk 🗑 sdf 838.36 GiB 136 98 GiB sdi wwn-0x5000039508086c2c sdm wwn-0x500003950809e87c 136.98 GiB 🌒 wwn-0x50000395080a232c 136.98 GiB sdn Zpool storage capacity: 1.64 TiB Used licensed storage capacity: 1.64 TiB Other groups Size • B Mirrored write log • 93.16 GiB - 🕅 sdi . 🔲 sdj 93.16 GiB 0 B Read cache 186.31 GiB - 🗑 sdg . - 🗊 sdh 186.31 GiB + Add group • < 0 🗙 Cancel < Back Next > • 00 10
- The created "read cache" will be displayed in the "Configuration preview" on the right side.

• In the "Add spare disks" please select the disk from the available disks" list, click "Add group", and the "Next" button.

NOTE: "Spare disks" are optional. If no disks are tagged as spare disk, it is still possible to replace a faulty disk with any unassigned disk. You can skip this step clicking "Next".

Zpool wizard					• Ad
ser Managen 1. Add data group	Available disks			Data groups	Size
allover Setter 2. Add write log	C Show only unused disks		C Rescan disks	Mirror Sdc	× 838.36 GiB
3. Add read cache			Size Blink	sdd	838.36 GiB
		000394f82b7660 000394f838713c	136.98 GiB	Mirror sde	× 838.36 GiB
A. Add spare disk: lecovery 5. Zpool propertie	sdi wwn-0x50	00039508086c2c	136.98 GiB	- 🗑 sdf	838.36 GiB
ystem Settin	sdm wwn-0x50	10003950809e87c	136.98 GiB •		
6. Summary				Zpool storage capacity: 1.6 Used licensed storage cap	34 TIB acity: 1 64 TIB
				Other groups	Size
				☐ Mirrored write lo	93.16 GiB
				⊟— Read cache -∭isdg	x 0 186.31 GiB
				- 🗑 sdh	186.31 GiB
	Select redundancy for group:	Single	Add group		
			×	Cancel < Back	Next >

www.open-e.com



• The created "spare disks" will be displayed in the "Configuration preview" on the right side. Now click the "Next" button.

Zpool wizard								+ Add zpo
1. Add data group	Available d	lisks			Data groups	Size		
2. Add write log	C Show only	y unused disks	🔿 Rescan	disks	B — Mirror -@ sdc	838.36 GiB	×	
3. Add read cache	Name	Id	Size	Blink	- 🗑 sdd	838.36 GiB	_	
5. Add read cache	🗌 sdk	wwn-0x50000394f838713c	136.98 GiB	•	Mirror		×	
4. Add spare disks	🗌 sdl	wwn-0x5000039508086c2c	136.98 GiB	•	- 🗑 sde	838.36 GiB	- 1	
	sdm	wwn-0x500003950809e87c	136.98 GiB	•	- 🗑 sdf	838.36 GiB	-	
5. Zpool properties	sdn	wwn-0x50000395080a232c	136.98 GiB	•			- 1	
					Other groups	Size		Blink
					Other groups	Size		Blink
					Mirrored write Sdi	93.16 GiB	×	•
					- 🗑 sdj	93.16 GiB	_	
					B Read cache		×	
					- 🗑 sdg	186.31 GiB		
					💮 🗑 sdh	186.31 GiB		•
					⊟ Spare		×	•
	Select redu		 → Add gr 	oup	- 🗑 sdb	136.98 GiB	×	
					Cancel	Back Next	>	0
				-	Concer	Daux	~	

• In the next step, enter the zpool name and click the "Next" button.

Zpool wizard I. Add data group 2. Add write log 8. Add read cache	Please set properties for Zpool name:	zpool: Pool-0		Add 2
2. Add write log				
	Zpool name:	Pool-0		
3. Add read cache				
		Zpool name: Defines name of the zpool	i in the system.	
I. Add spare disks				
5. Zpool properties				_
i. Summary				
				Blink
			M Cruck C Park	
			Cancel Back Next	<u> </u>
	Summary	Summary	Summary 11 ad 9350A003F544	Summary 11 ad 9350A003F844 136 59 GB MK1401GRRB



• In "Summary" you are able to see an overview of the zpool configuration. If the settings need to be modified, click the "Back" button and make the required changes. If it is correct click the "Add zpool".

S				E Logout
Zpool wizard				+ Add zpool
9 ^{er} 1. Add data group	Zpool configuration			
2. Add write log	Data groups	Redundancy	Size	
3. Add read cache	Mirror	Mirror		
and the second se	E Mirror	Mirror Data group to	tal capacity: 2 TiB	
5. Zpool properties	Other groups	Used licensed storage Redundancy	Size	
6. Summary	B — Mirrored write log B — Read cache B — Spare	Mirror		Blink
	Zpool properties			1
	Zpool name: Pool-0			1
		X Cancel K Back	✓ Add zpool	
11 sdl	9350A003FS44	136.98 GiB MK1401GRRB		

• At this point you have configured a new zpool (you can add more zpools if required).

en-e 🧷 ovianDSS			(i) About	⊘ Help 🕒 Logout
Storage	Storage			() Rescan + Add zpo
User Management				
Failover Settings	Pool-O			C Options v
	State: Zpool ID: 142488	ONLINE Status 19111874998222		
Backup & Recovery	Total storage: Disks:	1.63 TIB		
System Settings Diagnostics	Status Disk groups iSC	SI targets Snapshots	Shares Virtual IPs Scrub scanner	
			Status	Ready to run
			Next scan	Not set
	available		Q Run 🔛 Scheduler	
	Zpool storage capacity:	1.63 TIB		
	Used space:	56.13 GiB		
	Available space:	1.57 TiB		



Step 5. Creating iSCSI targets

- After creating a zpool, the GUI shows pool status of just created zpool. In order to access pool **setup menu** click on down arrow button in the middle bottom of the pool status section.
- Next, select "iSCSI targets" and click the "Add new target" button.

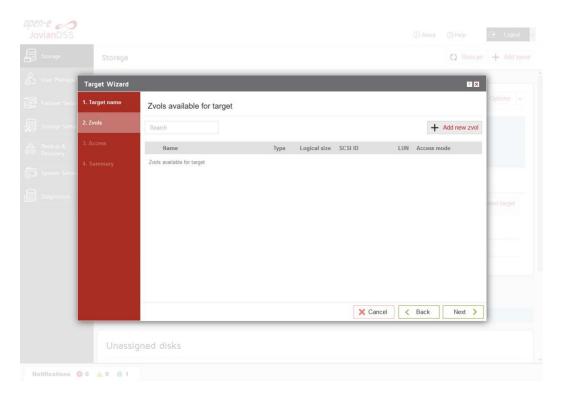
open-e JovianDSS	٥	About	() Help	🖃 Logout 🗸
Storage	Storage		() Rescan	+ Add zpool
OUser Management				Í
Failover Settings	• Pool-O			Options 🗸
Storage Settings	State: ONLINE Status: Zpool is functioning correctly. Zpool ID: 14248819111874998222 Action: None required.			
Backup & Recovery	Total storage: 1.63 TIB Disks: 9			
👼 System Settings				
Diagnostics	Status Disk groups iSCSI targets Snapshots Shares Virtual IPs O iSCSI targets		+ Add	new target
	No targets found.			
	✓ Zvols not attached to targets — Zvols: 0			
	Zpools available for import			
	No external zpools available for the import have been found.			
	Unassigned disks			
Notifications 😵 0	▲ 0 0 1			

 In the "Target Wizard", you can enter a new "Target name". If the default target name is OK, click the "Next" button only.

<i>open-e</i> JovianDSS							E Logout	
	Storage					() Rescan	+ Add zpool	
Su User Manager	Target Wizard						-	
Falover Settin	1. Target name	Target name:	iqn.2017-07:jdds.target0	Generate default name				
Xel storage setting								
00 Recovery								
53 System Settin								
Disgrantics							new target	
				×	Cancel	Next 义		
	Unassig	ned disks						
Notifications	0 🔺 0 0 1							



• In the Zvols step, click "Add new zvol". iSCSI Volumes are called zvols.



• In "Zvol properties" enter the name of a new Zvol and the appropriate size and click "Add" button.

Storage		Add new zvol			2 C ×		() Rescan	+ Add zpo
		Zvol properties						
	Zve	Name:	zvol-00					
		Size:	500	GiB				
		Provisioning:	1.57 TiB physical Thick provisio	oned		H Access to		
		Deduplication:	Disabled (defa		~			
		Copies:	1 (default)		\sim			
			Number of copies	s of the data.				
		Compression:	Iz4 (default)		\sim			
		Volume block size:	128 KiB (defa	ult)	\sim			
		Sync:	Always (defau	lt)	~			
		Log bias:	Latency (defai	ult)	~			
		Primary cache:	All (default)		~			
		Secondary cache:	All (default)		~	6 Back		
	-					DOCK		
Unassig				🗙 Cancel	🗸 Add			



• After creating the new Zvols, click the "Next" button.

									E Logout
	Storage							() Rescan	+ Add zpoo
User Manager	Target Wizard							P 🗙	1
Fallover Settin	1. Target name	Zvols available for target							Options 🗸
Storage Settin	2. Zvols	Search					+	Add new zvol	
Backup & Recovery		Name	Туре	Logical size	SC SI ID	LUN	Access mo	ode	
		zvol-00	zvol	500.00 GiB	HsMPNw6KzBn	0	Read-write	(default)	
System Settin									
System Settin Diagnostics									
									new target
					🗙 Cancel	<	Back	Next >	
	Unassig	ned disks							

• In the "Access" step, you can change the security options of the targets. After making these changes click the "Next" button.

open-e 🦰 JovianDSS					🕑 Logout	
	Storage			() Rescan	+ Add zpool	
Su User Manager	Target Wizard					
Factorier Settin	1. Target name	CHAP user access authentication			Options 🐱	
😡 Storage Settie	2. Zvols	Enable CHAP users authentication				
and Backup & Recovery	3. Access	Mutual CHAP user				
States Serie	4. Summary	Enable mutual CHAP user Farget IP access restrictions				
Diagnostics		Enable target IP access restrictions			new target	
		X Cancel	Back	Next 💙		
	Unassig	ned disks				
Notifications	0 🚣 0 👩 1					



• In "Summary" you are able to see an overview of the configuration of the target. If the settings need to be modified, click the "Back" button and make the required changes. If it is correct, click "Add".

Storage						() Rescan	+ Add zpool
Target Wizard							-
1. Target name	Target name					^	Options 🗸
2. Zvols	Name:	iqn.2017-07:jdds.target0					
3. Access	Zvols attached to	target					
4. Summary	Name		SCSI ID	LUN	Access mode		
	zvol-00		HsMPNw6KzBnWVGi4	0	Read-write (default)		
	CHAP users						new target
	CHAP user acce	ss authentication is disabled.					
	Mutual CHAP use	r					
	Mutual CHAP us	er is disabled.					
	Target IP access	restrictions					-
						Ľ	
				X Cancel	K Back	🖊 Add	
Linassi	gned disks						
	gried disks						

• After completion of the "Target wizard" return to the "Storage". Below you will see the "iSCSI targets" you are able to see and overview of the configuration targets.

Storage	Storage					2	Resca	n 🕂 Add
User Management								
Failover Settings	Pool-O						Ľ	Options
Storage Settings	State:	ONLINE	Status:	Zpool is functi	oning correctly.			
	Zpool ID:	14248819111874998222	Action:	None required				
Backup & Recovery	Total storage:	1.63 TIB	9					
	Disks:	9						
System Settings								
	Status Disk groups	iSCSI targets Snapsi	nots Sh	ares Virtu	ual IPs			
Diagnostics	O iSCSI targets						+ A	dd new target
								-
	 iqn.2017-07:jdds.target0 	Status: Active — Zvo	ols: 1					
	Search							Options 🗸
	Name	Type SCSI ID	LUN	Logical size	Physical size	Compression	Provision	ning
	1 zvol-00	zvol HsMPNw6KzBn		500.00 GiB	64.00 KiB	1.00		
	 Zvols not attached to tar 	rgets Zvols: 0						
			~					
	Zpools available for in	mport						

Step 6. Exploring targets

It is now time for you to connect with your iSCSI initiator and use your targets.

Example (Microsoft Windows environment).

Run the Microsoft iSCSI Initiator and follow the instructions:

- Start the software, add the targets in the "Discovery" menu and enter the IP Address of Open-E JovianDSS and Port (default 3260).
- From the "Targets" menu "Log on" to a target.
- Now access the Windows "Computer Management" feature and start the Disk Manager function, where you will be able to partition and format the new iSCSI drives for your operating system.

open-e

Step 7. Creating SMB shares

 In the Pool menu select the "Shares" tab. Click on the "Add dataset" button in order to create a new NAS-volume. NAS-volumes are called "datasets".

JovianDSS	① Abou	t ⑦ Help	\Xi Logout
Storage	Storage	() Rescan	+ Add zpool
O JUser Management			
□□ □□ □← Failover Settings	Pool-0		Options v
Storage Settings	State: ONLINE Status: Zpool is functioning correctly. Zpool ID: 14248819111874998222 (i) None required.		
Backup &	Total storage: 1.63 TiB Disks: 9		
👼 System Settings			
Diagnostics	Status Disk groups iSCSI targets Snapshots Shares O Shares	+ /	Add dataset
	Zpools available for import (1) No external zpools available for the import have been found.		
	Unassigned disks Local disks Remote disks Search		

• In the "Add new dataset" window, enter the dataset (volume) name and click on "Apply" button.

Storage					() Rescan	+ Add zpod
-	Add new dataset		1 C X	-		
	Dataset properties					
Pool-O	Name:	voloo			Ľ	
State	Deduplication:	Disabled (default)	~			
Zpool ID	Copies:	1 (default)	\sim			
Total storage.		Number of copies of the data.				
Dinks:	Compression:	lz4 (default)	~			
Status	Sync:	Always	~			
O Shares	Log bias:	Latency (default)	~	-	+)	
No datasets found	Primary cache:	All (default)	~			
IVO GALASELS TOUNO	Secondary cache:	All (default)	~			
	Access time:	Disabled (default)	~			
Zpools availat						
 No external zpools 	Enable quota					
	Enable reservation					
Unassigned	C Enable reservation					
Local disks		× Cance	el 🗸 Apply	L		
Staten						



• Next select the created dataset. Next click on "Option" button and from drop-down menu click on the "Add share" button.

Storage	Storage					() Rescan	+ Add zpoo
User Management							
Failover Settings	Pool-O						Options 🗸
Storage Settings	State:	ONLINE	Status:	Zpool is functioning correctly.			
	Zpool ID:	14248819111874998222	Antion:	None required.			
Backup & Recovery	Total storage:	1.63 TiB	(i) Action.				
	Disks:	9					
ystem Settings							
	Status Disk gro	oups iSCSI targets	Snapshots Sha	res Virtual IPs			
agnostics	O Shares					+ /	Add dataset
	∧ vol00 — Share:	s: 0 — All active —					
							Options 🗸
	Share name Path		A	ccess protoce Comments	+	Add share	
	No shares found.					Edit dataset	
					×	Delete datase	et
			~			Set snapshot	t retention-interva
	Zpools available fo	or import			‡	Add to Backu	p&Recovery tas
	(i) No external zpools available	e for the import have been found.					

• In the "Share wizard" as a first step, enter the share name. Optionally you can enter the subdirectory name in the dataset. If the subdirectory is not entered, the share will be pointed directly to the dataset. The comment field is also optional. Continue with "Next".

	re						🖃 Logout	
		Storage				() Rescan	+ Add zpool	
		Share wizard					1	
		1. Share properties	Share properties					
		2. Access protocols 3. User/group	Name: Path:	share-smb				
		access 4. Summary		If you want to share whole dataset leave this input empty.				
			Comment:				dd dataset	
							ptions 🗸	
							0.03	
				×	Cancel	Next 💙		
		T No externa	I zpoots available for the import have b	een found				
		Unassig	ned disks					
Not	tifications (0 0 <u>4</u> 0 <u>0</u> 1						



• In order to create the share confirm with "Yes".

Channes			Help D Rescars	Logent
Storage			() Rescan	T Add 2000
		vol00/share-smb		
		Add share Specified path: vol00/share-smb does not exist.		
		Would you like to create it?		
		X No Ves		
	ned disks			

• In "Access protocols" step, check the "Enable SMB service".

open-e JovianDSS				💌 Logout 🗸
	Storage		() Rescan	+ Add zpool
Our Manager	Share wizard			í
Falover Settin	1. Share properties	NFS		Options 🐱
Storage Sottin	2. Access protocols	Enable NFS service		
👌 Beckup & Recovery	3. User/group access			
5 System Settin	4. Summary	SMB		
Disgnostics		Enable SMB service		dd dataset
				ptions 🐱
				ans
				-
		Cancel < Back	Next >	
	Unassign	ned disks		
Notifications (0 🔥 0 0 1			

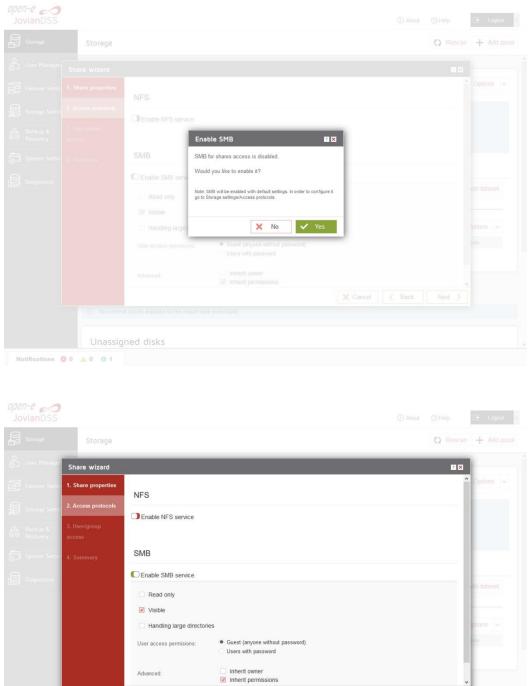


• Confirm with the "Yes" button and continue with "Next".

Unassigned disks

40 02

Notifications 💿 0



X Cancel X Back Next X



• In the "Users/groups access" step continue with the "Next" button.

<i>JovianDSS</i>	① About ③ Help	🖻 Logout
	rage 🔘 Rescan	+ Add zpool
User Manager Share v	zərd 🔳 🖬	
Fallover Settin 1. Share	Vertices User access	
Storage Settin	otocols (i) Guest user access enabled User access configuration is not available because Guest user access is enabled for SMB protocol.	
Backup & 3. User/gr Recovery access	P Name	
System Settin 4. Summa	Territoris versionage: 10 🐱 K K Rege 1 ef 0 3 K Ø	
Disposition	Group access Guest user access enabled Group access configuration is not available because Guest user access is enabled for SMB protocol.	dd dataset
		ptions 🗸
	Name	ins
	People performance 10 v K C Page 0 ef0 > X S	
	Cancel C Back Next >	
	No external zpools available for the import have been found	

• In the "Summary" step click the "Add" button. Now the SMB share is ready to use.

open-e 🦽 JovianDSS						🕑 Logout V
	Storage				() Rescar	n + Add zpool
	Share wizard				• ×	
	1. Share properties	Properties				● Options V
	2. Access protocols	Name	abara amb			
	3. User/group access	Name Path Comment	share-smb vol00/share-smb			
	4. Summary					
		NFS NFS service disabled				dd dataset
		SMB				ptions 🗸
		Read only Visible Handling large directories User access permissions	X V Suest (anyone without password)			•
	(i) No externa	12 pools available for the import hove b	can found	X Cancel K Back	✓ Add	<u>i</u>
	Unassig	ned disks				
Notifications	0 0 🔺 0 0 2					



• In order to change the SMB share settings, click on the "Options" drop-down menu and select "Edit dataset".

JovianDSS			 About ⑦ Help ➡ Logout ∨
Storage Storag	e		() Rescan + Add zpool
User Management			
Failover Settings	ool-0		C Options V
Storage Settings State Zpool		Status: Zpool is functioning correctly.	
Backup & Total Recovery Disks	torage: 1.63 TiB		
System Settings	tatus Disk groups iSCSI targets	Snapshots Shares Virtual IPs	
Diagnostics C	Shares		+ Add dataset
^	vol00 - Shares: 1 - All active -		Options V
	Share name Path	Access protoct Comments	+ Add share
1	share-smb /share-smb	SMB	Edit dataset
		~	X Delete dataset
Zpool	s available for import		 Set snapshot retention-interval Add to Backup&Recovery task
(i) No	external zpools available for the import have been found.		
Una	ssigned disks		
Notifications 🔕 0 🛕 0 🌘	2		

Step 8. Auto-Snapshots and Access to Previous versions

Use Windows Previous Versions to go back in time and access or restore previous versions of files and folders. Windows allows restoring previous versions of a file that was modified or even deleted. Anyone who has ever changed a file and realizes that the previous content was better as it was before, will appreciate the value of being able to retrieve a previous version of a file. Previous versions need auto-snapshot. The auto-snapshot can be set via the GUI.

• To create new auto-snapshots plan, please go to the "Backup & Recovery" menu then Click the "Add replication task" button in the bottom right corner to run the "Backup task wizard".

open-e JovianDSS	③ About ③ Help C Logout	
Storage	Backup & Recovery	
O User Management		^
Failover Settings	Tasks Destination servers vCenter / vSphere server	
Storage Settings	Search + Add replication task Source Source retention Destination path Destination retentio Description VIIIware Int. Status	
Backup &	No tasks found.	
System Settings	Results per page: 10 ✓ K <	
Notifications 🔞 0	<u>4</u> 002	

• After starting the "Backup task wizard" will be listed default "Retention-Interval plan for source".

er Manage	Backup task wiz	zərd									17 ×	
lover Settin		Source										٦
rago Sett	configuration	Resource path:					Bro	wse				cation tas
		Retention-Interval plan	for so	urce								
aun Sotur												н с
ignostics		Retention rules										
		A snapshot taken every							~	×		
		A snapshot taken every			~				×	×		
		+ Add another r	ule									
									Ċ	Resto	re to default	
									×c	ancel	Next >	



• In the "Source configuration" click "Browse".

open-e JovianDSS				🕒 Logout 🗸
	Backup & F	lecovery		
		Resource path: Browse		
		Browse II X		
		Search		
		Resource name No zvols found		
		Results per page: 10 V K K Page 0 of 0 > X Q	×	
		X Cancel Apply	×	
Notifications (30 🔥 0 32			

• In the "Browse" please select "Datasets" tab, and choose a resource name. Next click on "Apply" button.

open-e JovianDSS					🖃 Logout 💡
	Backup & Re	covery			
		Resource path	Browse		
		Browse			
		Zvols Datasets Search			
		Resource name Pool-0/vol00	۰		
			K < Page 1 of 1 > X Q	×	
			X Cancel V Apply	×	
Notifications	0 🔺 0 😗 2				



• After the end selecting "Resource path" please click on "Next" button.

Manager	Backup task wiza	ard											1 ×	
ver Settin	1. Source configuration	Source												cation ta
igo Sen		Resource path:		F	00lov/0-loo				Bro	wse				cation, ca
up & very		Retention-Interval plan	for so	urce										
m Seree		Snapshots from source	will be	sent eve	ary 5 minutes (i	e. the	shortest interval from	the sou	urce rete	ention rules)				×
		Retention rules:												
10157105		A snapshot taken every	5	^ ~	minute(s)	~	should be kept for	1	~	hour(s)	\sim			
		A snapshot taken every	15	0	minute(s)	~	should be kept for	3	^	day(s)	~	×		
		A snapshot taken every	1	^ ~	hour(s)	~	should be kept for	2	*	week(s)	~	×		
		+ Add another r	ule											
											Ċ	Restor	re to default	
													-	
											×c	ancel	Next >	

In "Destination configuration" please disable "Set remote destination for backup task" option.
 NOTE: If backup need to be configured, you can just continue with the wizard and provide destination volume accordingly.

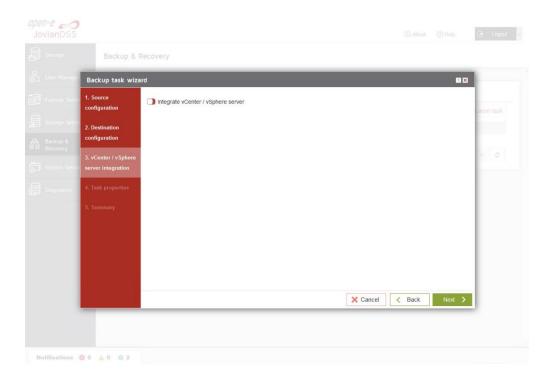
-		_	_	_	_	-	_	-	_	_	_	
Backup task wiza	ord										7 X	
1. Source configuration	C Set remote destina	tion for back	up task								Â	
2. Destination	∧ Destination 1 −										-	
configuration	Destination server and	resource o	ath					×	Remov	e resource		
3. vCenter / vSphere		resource pr	201									
server integration	Destination server:					~						
4. Task properties	Resource path:						Browse					
5. Summary												
	Retention-Interval plan	for destinati	on									
	Snapshots from source											
	Retention rules											
	A snapshot taken every			V sho				~				
	A snapshot taken every			V sho				V	×		~	
							🗙 Cancel	<	Back	Next	>	



• Next, please click on "Next" button.

JovianDSS						🕒 Logout 🗸
	Backup & I	Recovery				
	Backup task wiza	ard			1 ×	1
	1. Source configuration	Set remote destination for backup task				cation task
	2. Destination configuration					
	3. vCenter / vSphere server integration					× 9
			X Cancel	Back	Next >	
Notifications (0 👗 0 0 2					

• In "vCenter / vSphere server integration" please click on "Next" button





• In "Task properties" please enter task description, and click on "Next" button.

Backup task wiza	ərd			
1. Source configuration	Task description			cation ta:
2. Destination	Description:	auto-snap		
configuration	mbuffer			
3. vCenter / vSphere server integration	Enable mbuffer			2 4
4. Task properties				
5. Summary				
				_
			X Cancel K Back	Next >

• Next, in "Summary" please click on the "Add" button

Backup & Re	ecovery				
Backup task wizard	d				-
1. Source configuration	Properties				
2. Destination configuration	Resource path: Source retention:	Pool-0/vol00 1h every 5min 3d every 15min			
3. vCenter / vSphere server integration		2w every 1h			1 0
4. Task properties	vCenter / vSphere server int	egration			
5. Summary	vCenter / vSphere:	disabled			
	Task properties				
	Description: mbuffer size:	auto-snap disabled			
			X Cancel K Back	/ Add	



• After completion of the "Backup task wizard" return to the "Backup & Recovery". Below you will see the "Task" you are able to see that is "Enabled".

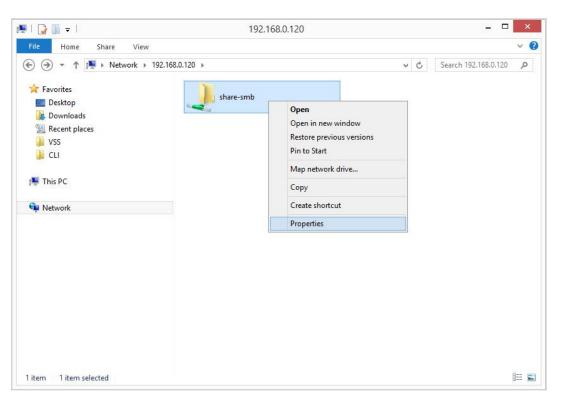
User Management Fallover Settings Storage Settings Source Source retention Destination retentic Description VMware int. Status	Storage	Backup & Recover	v											
Storage Settings Source Source retention Destination path Destination retentic Description VMware int. Status Backup & Recovery 3d every 15min - auto-snap Enabled Options v System Settings Results per page: 10 v K Page 1 of 1 > 31 v			,											
Add ver Settings Storage Settings Storage Settings Storage Settings Storage Settings Source retention Source retention Destination path Destination retentic Description VM ware int. Status Pool-Ovol00 th every fmin 2w every th Results per page: 10 V K < Page 1 of 1 X K V	User Management	10												
Search Search Add replication to the secret priority of the secr	Failover Settings	Tasks Des	tination servers	vCenter / vSp	here server									
Source Source retention Destination path Destination retentic Description VM ware int. Status Backup & Recovery the very fmin - - auto-snap Enabled Options > System Settings - - auto-snap K Page 1 of 1 > X Q		Search								+	- Add	d rep	licatio	in task
Second of a gradient of	Storage Settings	Source	Source retention	Destination path	Destination retent	ic Description	VMware i	nt.		Sta	atus			
System Settings Results per page: 10 V K < Page 1 of 1 > X Q	Backup & Recovery					auto-snap				En	abled	9	Option	ns v
Results per page: 10 V K < Page 1 of 1 > X Q														
	System Settings							к	< Page	1	of 1	>	к	0

• Next, go to the "Storage" menu. Now auto-snapshots are created accordingly to a provided retention-interval plan and can be viewed in pool-menu in "Snapshots" tab.

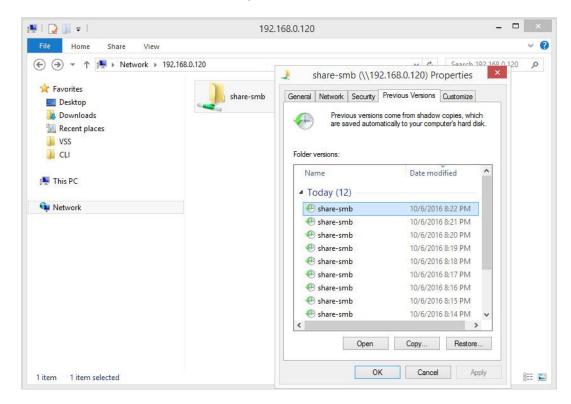
Storage		D Present L Attention
3 storage	Storage	() Rescan + Add zpoo
) User Management	Total storage: 143.00 GIB	
Failover Settings	Disks: 9	
- Tonorer sectings	Status Disk groups iSCSI targets Snapshots Shares Virtu	ual IPs
Storage Settings	O Snapshots	
Backup & Recovery	∧ Snapshots of zvols	
System Settings	Search	
a	Name	
Diagnostics	No snapshots found.	
	Snapshots of datasets	
	Search	
	Name	
	E vol00	Options ~
	vol00@autosnap_2017-08-14-184500	Options v
	Zeesle suiteble festiment	
	Zpools available for import	
	(i) Rescan required Click Rescan button above to scan disks for new zpools.	



 In the event of a file being renamed or deleted, you can view the previous version of the containing folder. Just right-click on some white space in the folder and select the "Properties" option. You can also right-click on the folder itself and select the "Properties" option as shown on the screenshot below.

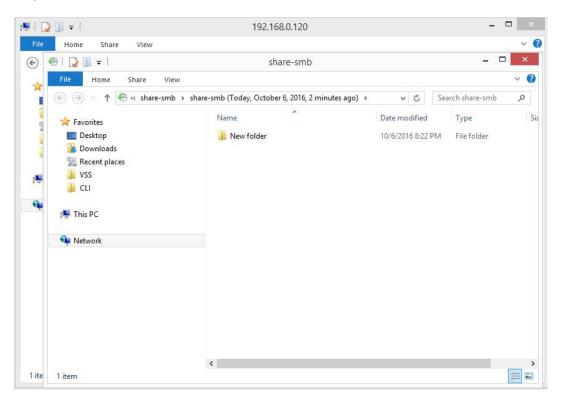


• In the "Previous Versions" tab, all auto-snapshots are listed.





• By double-clicking on a folder in the list, it will show the contents of the folder at the time the snapshot was made.





Step 9. Creating NFS shares

• In the Pool menu select "Shares" tab. Click on the "Add dataset" button in order to create new NAS-volume.

Storage	Storage			0	Rescan 🕂 Add zpod
User Management					
Failover Settings	Pool-0				C Options v
Storage Settings	State:	ONLINE	Status: Zpool is functioning correctly.		
	Zpool ID:	14248819111874998222	(i) Action: None required.		
Backup & Recovery	Total storage:	1.63 TiB			
	Disks:	9			
System Settings					
	Status Disk groups	s iSCSI targets	Snapshots Shares Virtual IPs		
Diagnostics	O Shares				+ Add dataset
	∧ vol00 — Shares: 1	All active			
					Coptions V
	Share name Path		Access protocc Comments	Status	Options
	1 share-smb /share-sm	ıb	SMB	Active	Options v
	-		~		
	Zpools available for	Import			
	Rescan required				
	Click Descen butter about	e to scan disks for new zpools.			
	Click Rescall button above				

• In the "Add new dataset" window enter the dataset name and click on "Apply" button.

Storage	Add new dataset			0	Rescan + Add zp
	Dataset properties				
Pool-0	Name:	vol01			Coptions V
State:	Deduplication:	Disabled (default)	~		
Zpool ID	Copies:	1 (default)	~		
Total storage:		Number of copies of the data.			
Disks:	Compression:	lz4 (default)	×		
Status	Sync:	Always	~		
O Shares	Log bias:	Latency (default)	~		+ Add dataset
∧ vol00 —	Primary cache:	All (default)	~		
0100	Secondary cache:	All (default)	~		Options 🗸
	Access time:	Disabled (default)	~		
Share name 1 share-smb	Enable quota			Status Active	
Zpools availat	Enable reservation				
(i) Rescan rec		× Ca	ancel 🗸 Apply		



• Next, select the created dataset and click on the "Add share" button. Enter the share name. Optionally you can enter the subdirectory name in the dataset. If the subdirectory is not entered the share will be pointed directly to the dataset. In order create share click "Next" and confirm this action by clicking the "Yes" button.

	7-e 📣 vianDSS						💽 Logout 🗸
		Storage				() Rescan	+ Add zpool
		Share wizard					
		1. Share properties	Share properties				
		2. Access protocols	Name:	share-nfs			
		3. User/group access	Path:	ol01/ share-nfs If you want to share whole dataset leave this input empty.			
		4. Summary	Comment:				
							dd dataset
							ptions 🗸
							tons v
				×	Cancel	Next 义	ptions 🐱
		No shares	foord.	And the first statements		uu opu	
No	tifications	◎ 0 🛕 0 💿 2					

open-e JovianDSS				🖻 Logout 🗸
	Storage		() Rescan	+ Add zpool
		vol01/ share-dis		
		Add share		
		Specified path: vol01/share-nfs does not exist. Would you like to create it? X No Yes		
Notifications	0 40 0 2			



• In the "Access protocols" step, click on "Enable NFS service" confirm this action by clicking the "Yes" button and continue with "Next" button.

open-e JovianDSS					🖻 Logout 🗸
	Storage			() Rescan	+ Add zpool
O O User Manager	Share wizard				-
Fallover Settin	1. Share properties	NFS			
Storage Settin	2. Access protocols	Enable NFS service			
Backup & Recovery	3. User/group access				
5 System Settin	4. Summary	SMB			
Diagnostics		Enable SMB service			dd dataset
					-
					ptions 🐱
					ions 🗸
		X Cancel K B	3ack	Next 💙	iptions 🗸
Notifications (0 🔺 0 0 2				

• Confirm this action by clicking the "Yes" button and continue with "Next" button.

open-e JovianDSS					🖻 Logout 🗸
	Storage			Q Re	escan + Add zpool
		NFS			
		NFS path	Enable NFS	3	
		Read access (Ps;	NFS service for shares access is disabled. Would you like to enable it? Note: NFS service will be enabled with default settings. In order to	dude conned server riterie of IP address (see	
		Read/write access IP:	configure it go to Storage settings/Share access.		
Notifications 6	0 👗 0 🛛 2				



Storage		G	Rescan	+ Add zpo
-			_	
Share wizard			? ×	
1. Share properties	NFS		^	Options V
2. Access protocols	NF5			
3. User/group	C Enable NFS service			
access	NFS path:	/Pools/Pool-0/vol01/share-nfs		
4. Summary		In order to get access to the share please make sure to include correct server name or IP address (Help for more information)	ee	
	Read access IPs:	Read access allowed for all IPs		
		xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		dd dataset
	Read/write access IPs:	Read/write access allowed for all IPs		
		xoouxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		ptions 🗸
	Additional options:	Insecure connections		ons
		Synchronous data record Insecure lock requests		bons 🗸
		All squash No root squash		
		X Cancel K Back	vext >	ptions 🗸
	THE REAL PROPERTY OF THE REAL	stores burner contribute	seper-	ons

• In the "Users/groups access" step, continue with "Next" button.

<i>pen-e 2</i> JovianDSS					E Logout
	Storage			() Rescar	h + Add zpool
S User Manager	Share wizard			*	
🛃 Fallover Settin	1. Share properties	∧ User access			Options ~
Storage Settin	2. Access protocols	SMB service disabled User access configuration is not available because SMB service is disabled.			
Backup & I Backup &	3. User/group				
	access				
🗋 System Settini					
Diagnostics		∧ Group access		70	dd dataset
		(i) SMB service disabled Group access configuration is not available because SMB service is disabled.			-
					ptions 🐱
					ons
					ions 🗸
		X Cancel	Back	Next 📏	ptions 🗸
	No shares	faurd.			2110
Notifications	0 40 03				



rage Storage					-
Share wizard				? 🗙	
lover Settin 1. Share properties	Properties				Options
2. Access protocols	Name	share-nfs			
3. User/group	Path	vol01/share-nfs			
3. User/group access	Comment				
tem Settin 4. Summary					
	NFS				
geostes				2	dd datas
	Read access IPs				
	Read/write access IPs				
	Additional options	Insecure connections Synchronous data record	×		ptions
		Insecure lock requests	×		ons
		No root squash	x		oons 🗸
		All squash	×		
					•
			X Cancel < Back	🗸 Add	obons
	The second se		Arcone burner comments	and the second second	ans.

• In the "Summary" step, to complete click the "Add" button. Now the NFS share is ready to mount.

• In order to change the NFS share settings, click on the share "Options" drop-down menu. In order to change the dataset setting click on the "Edit dataset" in dataset "Options" drop-down menu.

Storage	Storage				
				0	Rescan + Add zpo
User Management					
Failover Settings	Pool-0				C Options v
Storage Settings	State:	ONLINE	Status: Zpool is functioning correctly.		
	Zpool ID:	14248819111874998222	Action: None required.		
Backup & Recovery	Total storage:	1.63 TiB	Û		
	Disks:	9			
System Settings					
	Status Disk grou	ps iSCSI targets	Snapshots Shares Virtual IPs		
Diagnostics	O Shares				+ Add dataset
	∧ vol00 — Shares:	1 — All active —			
					C Options V
	Share name Path		Access protoct Comments	Status	Options
	1 share-smb /share-s	mb	SMB	Active	Options v
	∧ vol01 — Shares:				
	Volo I — Shares.	I All active			
					Options V
	Share name Path		Access protoct Comments	Status	Options
		ifs	NFS	Active	Options v



Copyright

(c) 2004 - 2017 Open-E, Inc. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form, by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Open-E, Inc.

Trademarks

The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

Disclaimer

Open-E, Inc. assumes no responsibility for errors or omissions in this document, and Open-E, Inc. does not make any commitment to update the information contained herein.

Please register your Open-E JovianDSS license: http://www.open-e.com/register/