



Quick Start Guide

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1 Introduction

Cristie SysBack provides AIX system administrators and other system users with a simple, efficient way to back up and recover data from an command line or a SMIT menu-driven interface.

SysBack lets you recover all or part of the system. SysBack is also flexible; you can install one system installation image to another system with either identical or different hardware configurations.

This document provides an overview guide of the 2 main modes of backup and recovery operation of Cristie SysBack and relates to version 7.3.1 of the product. Refer to the full Cristie SysBack product reference guide for comprehensive support.

1.1 Hardware Requirements

Cristie SysBack supports the following hardware:

- IBM eServer[®] pSeries[™] systems
- IBM Power systems

1.2 Software Requirements

The following software is required to use Cristie SysBack:

- OS version support is summarised in the <u>Cristie Backup/Recovery OS Support Matrix</u> on the Cristie Software Ltd. website.
- The *bos.sysmgt.sysbr* fileset.
- When AIX is installed, the following filesets are installed automatically with the system and may not be removed in order for SysBack to function properly:

```
bos.rte.net
bos.rte.archive
bos.rte.libnetsvc (when using Network Install functions)
```

• If you will be using the Remote Services functions of SysBack, the following AIX filesets are required:

```
bos.rte.net
bos.net.tcp.client.
```

- If you will be using the Classic Network Boot functions for the Network Installs, the AIX **bos**. *net.nfs.client* fileset is required.
- If you will be using the NIM Resource Network Boot functions for Network Installs, the NIM environment and resources must first be installed and configured in the desired locations for SysBack to utilise these resources.

2 Installation

To install or upgrade Cristie SysBack, download the files cristie.sysback.base. <version_number>.bff to a convenient directory. Using an the root account, use smitty install to install the product.

Note that this will result in three files being installed.

The version installed can be confirmed with the command <code>lslpp -1 | grep sysback</code>.

Cristie SysBack can then be started by using the command **smitty sysback**. This opening screen is then shown.





3 Licensing

To attach a license to a Cristie SysBack instance, copy the license file **base.lic** to /usr/lpp/ sysback/base.lic. Once copied, run the command **sbchlicense** -1 and verify that the output matches the contract.

```
# cp base.lic /usr/lpp/sysback/
# sbchlicense -1
Showing license file /usr/lpp/sysback/license.key
Base license: CS>NigelCorp
#
```



4 Prerequisites

From within Cristie SysBack, enable remote backup services for network backups from the following screen:

Configuration Options -> Remote Services -> Client Options -> Configure Remote Services



Select Enter to enable Remote Services.



5 Logging

To change logging to automatic and the location to store the logs (note that this can be a remote location), start Cristie SysBack by running smitty sysback.

From within SysBack, logging options can be modified from the following screen:

Utilities -> Logging Options -> Automatic Logging Options -> Change/Set Automatic Logging Options

	Change/Set Automa	tic Logging Opt	ions	
Type or select value Press Enter AFTER ma	es in entry fields. aking all desired ch	anges.		
Automatic logging * <mark>Store logs in</mark>		ſ	[Entry Fields] Enabled <mark>/</mark> mnt/cristie/logs]	
Fl=Help	F2=Refresh	F3=Cancel	F4=List	
F9=Shell	F10=Exit	Enter=Do	r8=1mage	

Select Enter to save any changes made.

Note: The default logging location is /var/adm/ras/sysback



6 Backup

SysBack supports disaster recovery backups and recoveries from/to IBM Spectrum Protect and SysBack Remote Services.

6.1 IBM Spectrum Protect

To do a full system backup for disaster recovery using IBM Spectrum Protect[™], follow the following steps.

6.1.1 Prerequisites

If backing up to an SSL enabled IBM Spectrum Protect server, SSL must be setup on the SysBack client before a backup can be done via Cristie SysBack.

Copy the certificate by running the following commands:

```
mkdir /tmp/new
cd new
```

Copy **cert256.arm** from the IBM Spectrum Protect server you wish to backup to/recover from to / tmp/new.

Create, add and list the SSL database by running the following commands:

```
gsk8capicmd_64 -keydb -create -populate -f -db dsmcert.kdb -stash -genpw
ls (to verify copied files)
gsk8capicmd_64 -cert -add -db dsmcert.kdb -stashed -label cristie_cert -file /tm
ls (to verify copied files)
gsk8capicmd_64 -cert -list -db dsmcert.kdb -stashed -label cristie_cert
ls (to verify copied files)
```

Move the SSL database files to the correct IBM Spectrum Protect client location by running the following command:

cp /tmp/new/* /usr/tivoli/tsm/client/api/bin64

Since the database files are now in /usr/tivoli/tsm/client/api/bin64 they will be copied onto the boot cd when we create the recovery image later.

This is a sample dsm.sys file. Note the passwordaccess generate entry.

Servername	server_a
TCPServerAddress	10.10.2.82
TCPPort	1500
NodeName	np-sysback72
passwordaccess	generate

This is a sample dsm.opt file.



```
* IBM Spectrum Protect
*
                                                *
* Sample Client User Options file for AIX and SunOS (dsm.opt.smp)
*
 This file contains an option you can use to specify the TSM
* server to contact if more than one is defined in your client
 system options file (dsm.sys). Copy dsm.opt.smp to dsm.opt.
 If you enter a server name for the option below, remove the
 leading asterisk (*).
* SErvername
            A server name defined in the dsm.sys file
SErvername
          server a
```

6.1.2 Configure the IBM Spectrum Protect Client

To configure the IBM Spectrum Protect client to use the correct IBM Spectrum Protect server, start Cristie SysBack by running smitty sysback.

From within Cristie SysBack, the IBM Spectrum Protect client can be configured from the following screen:

IBM Spectrum Protect Configuration -> IBM Spectrum Protect Virtual Device Configuration -> Add a IBM Spectrum Protect Virtual Device -> Select a IBM Spectrum Protect Server -> Enter Node Password



6.1.3 Run the Backup

To run the backup using IBM Spectrum Protect, start Cristie SysBack by running smitty sysback.

From within Cristie SysBack, the IBM Spectrum Protect backup can be run from the following screen:

Backup & Recovery Options -> Backup Options -> Backup the System (Installation Image)

On the Backup the System (Installation Image) screen, choose **Tsmdev** device to backup to the IBM Spectrum Protect server setup earlier.

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	Backup Options	
Move cursor to desired item	and press Enter.	
Backup the System (Instal)	lation Image)	
Create a backup to CD/DVD		
Backup Volume Groups		
Backup Filesystems		
Backup Logical Volumes		
Backup Files or Directorie	es	
Automatic Logging		
LVM Data Only Backup		
Select Backup D	evice or Network Install	Tmage Directory
	cvice of actwork install	Image Directory
Move cursor to desired :	item and press Enter.	
Tsmdev tsm0	server_a	
Dir /usr/lpp/sys	back/images/local	
Fl=Help	F2=Refresh	F3=Cancel
F8=Image	F10=Exit	Enter=Do
Fl /=Find	n=Find Next	
Ľ9+		

For full logging ensure /verbose/fileset is selected in *Report output type*.

	Back	up the System		
Type or select	values in entry field	ds.		
Press Enter AF1	ER making all desire	d changes.		
[TOP]			[Entry Fields]	
TSM virtual o	levice name		[tsm0]	+
Create a Powe	er Backup?		no	+
Report output	type		<mark>v</mark> erbose/filelist	+
Include non-G	JFS logical volumes?		yes	+
User Descript	ion		[]	
Limit Logical	Volume and Disk Inf	ormation	No	+
Preserve phys	sical partition mapping	ng?	no	+
Exclude List PULL BACKUN	File Name ? OPTIONS		[]	+/
Hostname to H	Backup		[]	
File containi	ing a list of data to	be backed up	[]	/
Backup Encryp	oted Files (AIX 6.1+)	only)	Yes	+
[MORE3]				
Fl=Help	F2=Refresh	F3=Cancel	F4=List	
F5=Reset	F6=Command	F7=Edit	F8=Image	
F9=Shell	F10=Exit	Enter=Do		

Now select Enter to run the backup to IBM Spectrum Protect.

When complete the following screen will be shown.





6.2 Remote Services

Remote Services is an optional feature of SysBack that enables a host attached to a network using TCP/IP to read and write backups to and from either tape drives or disks attached to a remote host. This enables a single host to act as a backup server for other hosts on the network that do not have a local tape drive attached.

With Remote Services, a backup server machine can enable specific hosts and users on those hosts to access the local devices or directories. Remote Services also enables client hosts to be installed from a device or disk image file on a network installation server.

6.2.1 Prerequisites

To use Remote Services, SysBack must be installed on each host that you want to act as a backup server, as well as each host that backs up its data to the server. TCP/IP must also be installed on each host to use Remote Services functions.

To access the menu for configuration and maintenance of a backup server or client start SysBack using smitty sysback:

The Remote Services can be configured from the following screen:

Configuration Options -> Remote Services

This shows the following screen:



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	Remote	Services	
Move cursor to desi	red item and press	Enter.	
Server Options			
Client Options			
Firewall Port Opt	ions		
Fl=Help	F2=Refresh	F3=Cancel	F8=Image
F9=Shell	F10=Exit	Enter=Do	

Then choose *Client* or *Server Options* as required.

Note: Ensure the client /etc/hosts file contains an entry for the server. Similarly ensure the server /etc/hosts file contains entries for all the clients to be backed up.

6.2.1.1 Configure Remote Services Server

To configure the server side of Remote Services select **Server Options** from the previous screen:



This then shows the following:





Select Configure Remote Services. This then configures and runs the server services.

F2=Refresh

F10=Exit

Fl=Help

F9=Shell

F3=Cancel

Enter=Do

F8=Image



Return to the previous menu and select Add or Change Host Access to this Server:



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					S	erve	er Opt	tions		
Move	curso	r to	desired	litem	and pr	ess	Enter	c.		
Co	nfigur	e Rer	note Ser	vices						
Ad	d or C	hange	e Client	: Host	Access	to	this	Server		
Li	st Cli	ent 1	Access							
Rei	move C	lient	Access	;						
F1-U	-1		F	Dofr	aab		50-	Cangal	E9-Tmago	
FO-S	erp		F2	0-Ewi	+		- E 3-		ro-image	
r				-LAL	6		E.11			

Now add the client hostname(s) and users permitted to run backups on this server and the backup location (on the server).

	Add or Change Clien	t Host Access to	this Server	
Type or select Press Enter AF	values in entry fiel TER making all desire	ds. d changes.		
			[Entry Fields]	
* Hostname of	client system		np-aix72-10GB	
If all:	Hosts to deny access		[]	
* User name to	allow		root	
If all:	Users to deny access		[]	
Tape or Virt	ual Devices for backu	ps or "all"	[]	
Directory pa	th for backup images		[/sysbackups]	
Directory pa	th for network instal	l images	[<mark>/</mark> sysbackups]	
FIREWALL ENA	BLEMENT OPTIONS:			
Communicatio	n Ports		[]	
Change commu	nication port values?		yes	
Fl=Help	F2=Refresh	F3=Cancel	F4=List	
F5=Reset	F6=Command	F7=Edit	F8=Image	
F9=Shell	F10=Exit	Enter=Do		

You will see this confirmation screen.





6.2.1.2 Configure Remote Services Client

To configure the client side of Remote Services select *Client Options* from the previous screen:

	Remote	Services	
Move cursor to desig	red item and press E	nter.	
Server Options Client Options Firewall Port Opti	lons		
Fl=Help F9=Shell	F2=Refresh F10=Exit	F3=Cancel Enter=Do	F8=Image

This then shows the following:



	Serve	er Options	
Move cursor to desi	red item and press	Enter.	
Configure Remote Add or Change Cli List Client Acces Remove Client Acc	Services ent Host Access to s ess	this Server	
Fl=Help	F2=Refresh	F3=Cancel	F8=Image
F9=Shell	F10=Exit	Enter=Do	

Select Configure Remote Services. This then configures and runs the server services.



Return to the previous menu and select Add or Change List of Remote Backup Servers:





Now add the server hostname to create the backup on.

	Add or Change lis	t of Remote Back	up Servers	
Type or select Press Enter AF	values in entry fiel TER making all desire	ds. d changes.		
* Hostname of ; Show disk im	<mark>server</mark> age file backup/resto	re options?	[Entry Fields] [<mark>n</mark> p-aix72-35GB] yes	
FIREWALL ENA	BLEMENT OPTIONS:		0	
Change commu	nication port values?		yes	
Fl=Help	F2=Refresh	F3=Cancel	F4=List	
F5=Reset	F6=Command	F7=Edit	F8=Image	
F9=Shell	F10=Exit	Enter=Do		

You will see this confirmation screen.



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	COMMAN	D STATUS	
Command: OK	stdout: yes	stderr: no	
Before command comp	letion, additional i	nstructions may appe	ar below.
<mark>B</mark> ackup options on s system who have bee	erver "np-aix72-35GB n granted access by	" are now available the server.	to users on this
File backup options specifically grante	will also be displa d access to.	yed for directories	the server has
Fl=Help F8=Image	F2=Refresh F9=Shell	F3=Cancel F10=Exit	F6=Command /=Find
n=Find Next			

6.2.2 Run the Backup

You may run **push** backups from client to server. You may also run **pull** backups on the server for a selected client.

This example shows a push backup.

To run the backup using Remote Services, start Cristie SysBack by running smitty sysback.

From within Cristie SysBack, the Remote Services backup can be run from the following screen:

Backup & Recovery Options -> Backup Options -> Backup the System (Installation Image)

On the **Backup the System (Installation Image)** screen, choose the server hostname/directory setup earlier.



Add suitable a Backup file ID and a description to identify this backup on the server.



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	Back	tup the System			
Type or select	values in entry fiel	ds.			
Press Enter AF	TER making all desire	d changes.			
[TOP]			[Entry Fields]		
Backup Data Hostname			[np-aix72-35GB]		
Images directory			[/sysbackups]		
Create a Power Backup?			no		
* Backup file	ID		np-aix72-10GB-1		
Dynamically	Created Backup file I	D	no		
Report outpu	t type		progress indicator		
Include non-	JFS logical volumes?		yes		
Limit Logica	l Volume and Disk Inf	ormation	No		
Compress dat	a before writing to m	edia?	yes		
User Descrip	tion		np-aix72-10GB		
Host read pe	rmission		all hosts		
User read pe	rmission		all users		
Buffer size	(in Kbytes)		[64]	+#	
[MORE20]					
Fl=Help	F2=Refresh	F3=Cancel	F4=List		
F5=Reset	F6=Command	F7=Edit	F8=Image		
FO-Sholl	El O-End +	Entern			

Now select Enter to run the backup to Remote Services.

When complete the following screen will be shown.





7 Bootable Recovery Image

To create a bootable recovery image, start Cristie SysBack by running smitty sysback.

From within Cristie SysBack, create the bootable recovery image from the following screen:

Backup & Recovery options -> Backup Options -> Create a backup to CD/DVD -> Choose Cdrom

	Backup Options				
Move cursor to desired item	and press Enter.				
Backup the System (Instal	lation Image)				
Create a backup to CD/DVD					
Backup Volume Groups					
Backup Filesystems					
Backup Logical Volumes					
Backup Files or Directori	es				
Automatic Logging					
LVM Data Only Backup					
+		+			
S S	elect Backup CD/DVD Devi	ice I			
Move cursor to desired	item and press Enter.				
Cdrom /dev/cd0	SCSI Optical Served by	VIO Server			
Fl=Help	F2=Refresh	F3=Cancel			
F8=Image	F10=Exit	Enter=Do			
Fl /=Find	n=Find Next				
F9+		+			

On the Select Backup CD/DVD Device screen, set the following recommended values:

Backup Media Format	ISO9660 (Rockridge format)
Media Type	DVD
Backup Type	Full System
Create a Boot only CD/DVD	Yes
Create a CD/DVD Now?	No
IBM Spectrum Protect Option	Include IBM Spectrum Protect API code



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Back	up the System to a	CD/DVD Device (ISO9960 format)	
Type or select val	lues in entry fiel	ds.		
Press Enter AFTER	making all desire	d changes.		
[TOP]			[Entry Fields]	
Estimate Space 1	Needed?		no	
Device name			[/dev/cd0]	
Media Type?			DVD	
Format backup in	mage on a 2gb limi	t?	yes	
Media Size			[]	#
Create a Boot of	nly CD/DVD?		yes	
TSM Option			<mark>I</mark> nclude TSM API code	
Device name for	remote volume pro	mpt	[]	
Create the CD/D	VD Now?		no	
Existing System	Backup Image.		[]	+/
Create Rockridge	e Image From Previ	ous cd_fs	[]	
Debug Output?			no	
[MORE47]				
Fl=Help	F2=Refresh	F3=Cancel	F4=List	
F5=Reset	F6=Command	F7=Edit	F8=Image	
	T10 T 1.			

Press Enter to create the recovery image.



Once the recovery image has been created, copy it to a network location. In the example above the image is contained in a directory called /mksbcd8651222/cd_images:

# pwd								
/mksbcd8651222/cd_images								
# ls -al		—						
total 513896								
drwxr-xrwx	3	root	system	256	06	Jul	09:53	
drwxrwxrwx	3	root	system	256	06	Jul	09:53	
-rw-rr	1	root	system	263112704	06	Jul	09:53	8651222cdimage.voll
drwxr-xr-x	2	root	system	256	06	Jul	09:53	lost+found
#								

The file with the .vol1 extension is the actual DVD ISO image. It is suggested giving the image a more meaningful name.



8 Recovery

To recover from a backup boot the previously created ISO/image on your target host.

When indicated enter 1 and press Enter to use the terminal as console.



Choose the correct terminal, e.g. vt220.

				- From the list holos	
	Pleas	e select you	r terminal typ	e from the list below.	
	II yo	our terminal t	type does not	appear, select the closest	
	matci	, or use vu			
aixterm		ibm3151	tvi950	vt320	
aixterm-	-old	lft	vt100	wyse30	
ansi		tvi912	vt200	wyse50	
ibm3101		tvi925	vt220	wyse60	
	_				
	Enter	your termina	al type ==> vt	220	

Finally enter $\frac{1}{2}$ if the terminal is showing correctly.





8.1 IBM Spectrum Protect

Select Change Installation Device from the Installation & Maintenance Main Menu screen.



Now choose the **tsmdev** device.





Enter the IBM Spectrum Protect Server/Node details on the Change IBM Spectrum Protect Network Settings screen.



Click Esc a few times to return to the main menu.

Now select **Change Volume Group & Logical Volume Information** from the **Installation & Maintenance Main Menu** screen.





Then select the latest active backup.

	mqqq	qqqqqqqqqq Change I	qqqqqqqqqqqqqqqqqq nstallation Devi	lddddj 'ce	
	LVM Only Ba Backup ID	Active?	Management Cla	ss Backup Date	_
==>	0.49551469	Yes	DEFAULT	07/06/2023	
	0.49541191	No	DEFAULT	06/27/2023	
lqqq	ddddddddddddddddddd	qqqqqqqqqq	ddddddddddddddd	dadadadadadadadada	ddddddddg
x In	stallation Devic				
x x	aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	aaaaaaa			x
x Re	trieving list of backu	p IDs fro	m TSM server. P	lease wait	MO
mqqq	daaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	ddddd			
					0
	Select the inst	allation (device or file f	rom the above list.	. n
	The "==>"	symbol 1	ndicates the cur	rent choice.	0 न
Us	e ARROW or TAB keys to	move, EN	TER to select, E	SC to return.	0

Wait until the configuration has been loaded from the selected backup and then the **Change Volume Group & Logical Volume Information** menu is displayed.





Select **Physical Volumes for 'rootvg' Volume Group**, press Enter to select and wait for it to populate.



Now select Esc a few times to return to the main menu.

Click Install the System with Current Settings.





Wait for checking to complete. You may see this warning:



This is a warning so enter $\frac{1}{2}$ to continue and you will then see this:



1							
Tddddd	4444444	qqqqqqqqq	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee	andaanaaaa	44444	49999999	fddx.
×			nstall the Sy	sten			×
≡qqqqq	aaaaaaa	addadada	addadadadada	adadadada	addada	14444444	(qq)
144444444444444444	aadaada	addadadad	addadadadada	addadadaa	addada	4444444	addaddaddag
x Verifying space	e requi	rements .					×
£dddddddddddddd	adddddd	addadadad	tadadadadadada	addadadad	addada	adadada	144444444444444444444444444444444444444
x VG Name	Availa	ble MB	Used MB		Free	ME	×
x							- x
x rootvg	20479	(639 PPs)	12128 (37	9 PPs)	8351	(260 PF	?s) x
x							×
x							×
x							2
х							2
x							×
x							>
x							×
к							×
madadadadadadadada Tadadadadadadadada	4444444		19919999999999999999999999999999999999	11	aaaaaa		1999 p
x concinuing the	instal	racion at	chis cime vi	II OVELWI:	rce a.	u aisks	susea by x
x volume groups ;	you cho	se to cre	ace!				×
	10000000	aaaaaaaaaaa	aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	00000000000	aadaaa	ICICICICICIC	Iddaddddddd
×	Do you	wish to	continue the	installat:	10n?	(y/n)	2

Press $\frac{1}{2}$ to begin the installation. The recovery will then progress and the system will reboot automatically.

Making	/ an advance	ed filesystem (jfs2)		
Making	/admin an ad	dvanced filesystem (j	fs2)	
Making	/home an adv	vanced filesystem (jf:	s2)	
Making	/mksbcd8388	956/cd_images an adva	nced filesystem (jf:	s2)
Making	/mksbcd9175	312/cd_images an adva	nced filesystem (jf:	s2)
Making	/mksbcd9830	674/cd_images an adva	nced filesystem (jf:	52)
Making	/opt an adva	anced filesystem (jfs:	2)	
Making	/tmp an adva	anced filesystem (jfs:	2)	
Making	/usr an adva	anced filesystem (jfs:	2)	
Making	/var an adva	anced filesystem (jfs;	2)	
Making	/var/adm/ras	s/livedump an advance	d filesystem (jfs2)	
Volume	Group rootvo	g has been created su	ccessfully.	
	********		*****	******
	*	Restoring Base Ope	erating System Data	*
	*******	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * *
		ESTIMATE	D PROGRESS	
	% Complete	Elapsed Time	Megabytes	Kbytes/Sec
	0	0 minutes of 31	25 of 2756	1477

At the end of the recovery and if recovering a backup to a new or different host system you will see a warning referring to the IBM Spectrum Protect and SysBack licenses which are only valid for the original source system. You will now have an opportunity to remove the IBM Spectrum Protect and SysBack products and licenses at this point.



		+	ESTIMATEL	+
ec	Kbytes/Sec	Megabytes	Elapsed Time	<pre>% Complete </pre>
	1998	236 of 236	2 minutes of 2	100
	NG FROM	A BACKUP ORIGINATI	TEM WAS INSTALLED FROM	
	NG FROM	A BACKUP ORIGINAT	TEM WAS INSTALLED FROM MACHINE	THIS SYST
	NG FROM	A BACKUP ORIGINATI	TEM WAS INSTALLED FROM MACHINE	THIS SYST ANOTHER M
	NG FROM ecovery or	A BACKUP ORIGINATI	TEM WAS INSTALLED FROM MACHINE o not have a license o	THIS SYST ANOTHER M If you do
	NG FROM ecovery or 11 this	A BACKUP ORIGINAT of System Backup & H overy (used to insta	TEM WAS INSTALLED FROM MACHINE o not have a license o System Backup and Reco	THIS SYST ANOTHER M If you do TSM for S
	NG FROM ecovery or 11 this move	A BACKUP ORIGINAT of System Backup & B overy (used to insta should select to re	TEM WAS INSTALLED FROM MACHINE o not have a license of System Backup and Reco for this machine, you	THIS SYST ANOTHER M If you do TSM for S system) f

Enter yes or no as required. You can also change the network settings for the recovered system so that it does not conflict with the original system if its still running.

Installa	tion Summary				
Name		Level	Part	Event	Result
cristie. cristie. cristie.	sysback.license.cer sysback.license.rte sysback.rte	7.3.1.0 7.3.1.0 7.3.1.0	USR USR USR	DEINSTALL DEINSTALL DEINSTALL	SUCCESS SUCCESS SUCCESS
	The following netw original system	work attributes w	were configu	red on the	
en0:	netaddr = 10.10.76.1 netmask = 255.0.0 state = up	162			
If the a select t	bove attributes are o remove the custom:	not correct for ized network att;	this machine ributes at th	e, you should his time.	 1
Do you w from thi	rish to REMOVE the cu s system? (yes/no) =	ustomized networl	k configurat:	ion	

If you respond yes the existing network settings will be deleted.

When complete the system will automatically re-boot:





8.2 Remote Services

Select Change Installation Device from the Installation & Maintenance Main Menu screen.



Now choose the network device for Remote Services recovery.





Enter the Remote Services Client/Server details on the Change Network Settings screen.



Click Esc a few times to return to the main menu.

Now select **Change Volume Group & Logical Volume Information** from the **Installation & Maintenance Main Menu** screen.





Then select the latest active backup.



Wait until the configuration has been loaded from the selected backup and then the **Change Volume Group & Logical Volume Information** menu is displayed.



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Select **Physical Volumes for 'rootvg' Volume Group**, press Enter to select and wait for it to populate.



Now select Esc a few times to return to the main menu.

Click Install the System with Current Settings.





Wait for checking to complete. You may see this warning:



This is a warning so enter $\frac{1}{2}$ to continue and you will then see this final warning:



adadadadadada	laadaaaaaaaaaaaaaaaaaaaa	laadaaaaaaaaaaaaaaaaaaaa	laaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	Iddddd
Verifying sp	ace requirements			
qqqqqqqqqqqqqq VG Name	qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq	qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq	Iqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq	ldddd
rootvg	30719 (959 PPs)	12128 (379 PPs)	18591 (580 PPs)	
19999999999999999999999999999999999999				19999 19999 19999
Continuing t	the installation at t	nis time will overv	fite all disks used	γa
vorume group	os you chose to creat	,e:		

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Press $\frac{1}{2}$ to begin the installation. The recovery will then progress and the system will reboot automatically.



At the end of the recovery and if recovering a backup to a new or different host system you will see a warning referring to the IBM Spectrum Protect and SysBack licenses which are only valid for the original source system. You will now have an opportunity to remove the IBM Spectrum Protect and SysBack products and licenses at this point.





Enter yes or no as required. You can also change the network settings for the recovered system so that it does not conflict with the original system if its still running.

Installation Summary							
Name		Level	Part	Event	Result		
cristie. cristie. cristie.	sysback.license.cer sysback.license.rte sysback.rte	7.3.1.0 7.3.1.0 7.3.1.0	USR USR USR	DEINSTALL DEINSTALL DEINSTALL	SUCCESS SUCCESS SUCCESS		
	The following netw original system	work attributes w	were configu	red on the			
en0:	netaddr = 10.10.76.1 netmask = 255.0.0 state = up	162					
If the a select t	bove attributes are o remove the custom:	not correct for ized network att;	this machine ributes at th	e, you should his time.	1		
Do you w from thi	ish to REMOVE the cu s system? (yes/no) =	ustomized networl	k configurat:	ion			

If you respond yes the existing network settings will be deleted.

When complete the system will automatically re-boot:









9 Cristie Technical Support

If you have any queries or problems concerning your Cristie SysBack product, please contact Cristie Technical Support. To assist us in helping with your enquiry, make sure you have the following information available for the person dealing with your call:

- SysBack Version Number
- Installed OS type and version
- Any error message information (if appropriate)
- Description of when the error occurs
- All Cristie log files relating to the source or recovery machine. This is very important to help us provide a quick diagnosis of your problem

Contact Numbers - Cristie Software (UK) Limited

Technical Support	+44 (0) 1453 847 009
Toll-Free US Number	1-866-TEC-CBMR (1-866-832-2267)
Knowledgebase	kb.cristie.com
Forum	forum.cristie.com
Sales Enquiries	sales@cristie.com
Email	support@cristie.com
Web	www.cristie.com

Support Hours

05:00 to 17:00 Eastern Standard Time (EST) Monday to Friday

Out-of-Hours support available to customers with a valid Support Agreement - Severity 1 issues*

only

UK Bank Holidays** classed as Out-of-Hours - Severity 1 issues only.

*Severity 1 issues are defined as: a production server failure, cannot perform recovery or actual loss of data occurring.

**For details on dates of UK Bank Holidays, please see www.cristie.com/support/

Cristie Software Ltd. are continually expanding their product range in line with the latest technologies. Please contact the Cristie Sales Office for the latest product range.

