



## **NBMR For Windows**

# Bare Machine Recovery for NetWorker

## Installation and Licensing Guide

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#### 4 Bare Machine Recovery for NetWorker

### 1 Overview

This document describes the Installation and Licensing of the Bare Machine Recovery for NetWorker (NBMR) product.

NBMR installation uses the standard Microsoft Windows Installer MSIEXEC so enabling NBMR to be installed, re-configured or removed from any supported Windows platform.

Please refer to this web page <u>https://www.cristie.com/support/matrix/</u> to determine the latest OS and Dell EMC NetWorker<sup>™</sup> client/server support for NBMR Version 9.6.1.

Important note regarding Windows Service Pack level:

For correct operation the NBMR product com ponents requires the Microsoft VC++ 2015-2022 redistributable to be installed on the host system . This com ponent is installed autom atically by the suite installer.

NBMR installation is available in English only.

Before NBMR can be used it must also be correctly licensed. Cristie provides a 30 day trial license with the product.

### 1.1 Document conventions

The following typographical conventions are used throughout this guide:

/etc/passwd	represents command-line commands, options, parameters, directory names and filenames
Next >	used to signify clickable buttons on a GUI dialogue
Note:	describes something of importance related to the current topic



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## 2 NBMR Installation and Removal

The Windows setup program allows all components of NBMR to be selectively installed or un-installed. This group of components is referred to here as the **NBMR Suite**.

It is possible to install individual components using dedicated setup programs. For example this may be required at a later date to update individual suite components. However, in normal practice, it is recommended to use the suite installer as discussed in the following sections.

The Windows installation suite consists of the following components:

- NBMR (Bare Machine Recovery for NetWorker) Install on the machine to be protected by NBMR.
- CRISP (Cristie Recovery ISO Producer) Install on any suitable host machine. A tool used to create a bootable WinPE5, WinPE10 or WinPE11 based Disaster Recovery environment in conjunction with the appropriate NBMR fileset below.
- CRISP WinPE5, WinPE10 or WinPE11 Fileset for Disaster Recovery-Install on the same machine as CRISP above. Used in conjunction with CRISP to create the Disaster Recovery ISO/USB flash drive. Boot this ISO/USB flash drive on Windows recovery targets. Unfortunately Cristie Software Ltd. is unable to provide the Disaster Recovery ISO directly to Customers because of Microsoft WinPE5, WinPE10 or WinPE11 Licensing restrictions.

#### 2.1 Install the NBMR components

Prior to attempting an installation of NBMR, Cristie recommends that the NBMRCFG.EXE program is added to the Windows Defender/Antivirus exclusion list. This executable program file will be found in the NBMR install folder - normally C:\Program Files\Cristie\NBMR unless changed. This will significantly speed up the installation of NBMR.

To install NBMR components run the suite setup program SetupNBMRSuite961.exe from the command line or click on the setup program from within Windows Explorer. This will then display the opening dialogue of the installation sequence.

Note: The NBMR installation requires that the User login account running the installation has Administrator privilege.



NBMR Suite 9.6.1 Setup     O     NBMR Suite 9.6.1 Setup     NBMR Suite 9.6.1 Setup     NBMR Suite 9.6.1     N	IR Suite 9.6.1 Setup — — — — — — — — — — — — — — — — — — —		
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PLEASE READ THE FOLLOWING LICENSE AGREEMENT BEFORE INSTALLING THE SOFTWARE CONTAINED IN THIS PRODUCT. CONTINUING WITH THE SOFTWARE INSTALLATION PROCESS INDICATES THAT YOU HAVE READ AND ACCEPTED ALL THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO THESE TERMS YOU MAY RETURN THIS PRODUCT TO YOUR SUPPLIER FOR A REFUND. ABMR, CBMR, CoBMR, NBMR, RBMR and TBMR (collectively "the Products" and individually "a Product") are proprietary products of Cristie Software Limited and are protected by copyright law. The intellectual property a	E READ THE FOLLOWING LICENSE AGREEMENT BEFORE INSTALLING THE SOFTWARE CONTAINED IN RODUCT. CONTINUING WITH THE SOFTWARE INSTALLATION PROCESS INDICATES THAT YOU HAVE AND ACCEPTED ALL THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO TERMS YOU MAY RETURN THIS PRODUCT TO YOUR SUPPLIER FOR A REFUND. CBMR, CoBMR, NBMR, RBMR and TBMR (collectively "the Products" and individually "a Product") are tary products of Cristie Software Limited and are protected by copyright law. The intellectual property and now contained within the Products belongs to Cristie Software Limited who retains title to and ownership Products and all the related intellectual property. The terms and conditions upon which you are licensed to Product are set out in this agreement. tie NBMR 9.6.1 tie Recovery ISO Producer (CRISP) 9.6.1	Cristie End User License Agreement v9.x	-
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CRISP WinPE11 Fileset for NBMR 9.6.1	P WinPE5 Fileset for NBMR 9.6.1	✓ Cristie NBMR 9.6.1 □ Cristie Recovery ISO Producer (CRISP) 9.6.1 □ CRISP WinPE11 Fileset for NBMR 9.6.1 □ CRISP WinPE5 Fileset for NBMR 9.6.1	
CRISP WinPE11 Fileset for NBMR 9.6.1 CRISP WinPE5 Fileset for NBMR 9.6.1 CRISP WinPE5 Fileset for NBMR 9.6.1 I agree to the license terms and conditio	P WinPE5 Fileset for NBMR 9.6.1	Cristie NBMR 9.6.1 Cristie Recovery ISO Producer (CRISP) 9.6.1 CRISP WinPE11 Fileset for NBMR 9.6.1 CRISP WinPE5 Fileset for NBMR 9.6.1	i

You will then be offered a selection of suite components to install as shown. So now select one or more components to install. These options are now discussed in more detail.

#### 2.1.1 Install NBMR

NBMR requires both the Dell EMC NetWorker<sup>™</sup> client and the extended client to be installed prior to running the installation. The installation operation will be disabled if either client is not detected on the system. A warning message will be displayed in this case.

There are a few options that can be configured prior to the installation. Click Options to open the options dialogue. You may then select a different installation folder.

Note: Cristie Software Ltd. recommends the default folder locations are used. It is a requirement that any non-default folder(s) selected must always be on the same partition as the Windows folder.

Note: NBMR can only be installed on the same partition as the Windows OS itself.

If you intend to manage this installation of NBMR with the Cristie Virtual Appliance (Cristie VA) then enter its IP address and Tenant; otherwise leave these entries blank.



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6 NBMR Suite	9.6.1 Setup	_	
cristie software	NBMR Suite 9.6.1		
	Setup Options		
	Install location:		
	C:\Program Files\Cristie		Browse
	Cristie VA Address:		
	Cristie VA Tenant:		

Click OK to save your changes.

Select the Cristie NBMR Version 9.6.1 tick-box option. If you are happy to accept the terms and conditions in the license agreement, also select I agree the terms to the license terms and conditions and then click Install. Note if an earlier version of the product is already installed then the NBMR agent component will be upgraded.

OK

Cancel

If not already installed the Microsoft VC++ 2015-2022 redistributable will be installed prior to the NBMR component.



Cancel



the host machine and this could take a considerable amount of time. During this activity the SystemState files and file hard-links are captured and stored. This process requires traversing the Windows file system and could take perhaps 30 minutes or more. Note that if this process takes longer than 1 hour it will be cancelled to allow the installation to complete. In this case the configuration should be run post-install either manually using the Start menu option or by script when convenient.

Successful completion is confirmed by the following dialogue. Select Close to exit.



Installation Successfully Completed

Close

Note: Please take careful note of the post installation instructions.

#### 2.1.2 Install CRISP and the NBMR fileset

First select the CRISP WinPE filesets you want to install. WinPE5, WinPE10 and/or WinPE11 can be selected. Note the installer allows any combination to be installed. You may also choose to deselect all filesets in which case only CRISP will be installed.



Cancel

9

NBMR Suite 9.6.1 Setup	- 🗆 X
NBMR Suite 9.6.1	
Cristie End User License Agreeme	v9.x
PLEASE READ THE FOLLOWING LICENSE AGREEMENT BEFORE INSTALLIN THIS PRODUCT. CONTINUING WITH THE SOFTWARE INSTALLATION PROCE READ AND ACCEPTED ALL THE TERMS AND CONDITIONS OF THIS AGREEN THESE TERMS YOU MAY RETURN THIS PRODUCT TO YOUR SUPPLIER FOR ABMR, CBMR, CoBMR, NBMR, RBMR and TBMR (collectively "the Products" proprietary products of Cristie Software Limited and are protected by copyr know how contained within the Products belongs to Cristie Software Limite of the Products and all the related intellectual property. The terms and condi use a Product are set out in this agreement.	THE SOFTWARE CONTAINED IN S INDICATES THAT YOU HAVE INT. IF YOU DO NOT AGREE TO A REFUND. Ind individually "a Product") are Int law. The intellectual property and who retains title to and ownership ons upon which you are licensed to
Cristie NBMR 9.6.1	
Cristie Recovery ISO Producer (CRISP) 9.6.1	
CRISP WinPE10 Fileset for NBMR 9.6.1	
CRISP WinPE5 Fileset for NBMR 9.6.1	
I agree	the license terms and conditions
Op	ons Install Close

There is one option that can be configured prior to the installation. Click Options to open the options dialogue. You may then select a different installation folder. The VA fields are not relevant for the Install of CRISP and the fileset options.

Note: Cristie Software Ltd. strongly recommends the default folder location is used.

If you are happy to accept the terms and conditions in the license agreement, select **I** agree the terms to the license terms and conditions and then click Install. Note if an earlier version of the product is already installed then the CRISP and/or fileset component (s) will be upgraded.



Successful completion is confirmed by the following dialogue. Select Close to exit.





Note: If you wish to build a recovery ISO/USB flash drive for Windows 2016 or later support, please use the WinPE10 or WinPE11 based fileset in conjunction with CRISP. Although the WinPE5 version of the fileset can be used it does not provide dissimilar hardware drivers for recovery to vSphere or other cloud platforms. The WinPE10 or WinPE11 versions do.

Refer to the **CRISP User Guide** for more detailed information.

#### 2.1.3 Silent Install

If you need to install NBMR repeatedly with the same options, you can install it from the command line without operator interaction.

There are 2 approaches to this. Either run the suite installer silently (the recommended method) or extract the stand-alone component installers and run those individually and silently.

In both cases ensure you have the correct Dell EMC NetWorker<sup>™</sup> client installed prior to running the installation. Otherwise the silent install will fail - silently!

#### Running the Suite Installer Silently

This is the recommended method because it ensures the components are installed in the correct sequence with the correct options. The syntax for running the suite setup silently is:

```
C:\SetupNBMRSuite961.exe /quiet /log "C:\Temp" SuiteInstallDir="C:\Program Files\Cristie" VAADDRESS="xxx.xxx" VATENANCY="root"
```

This installs all the NBMR agent components to the standard folder C:\Program Files\Cristie and creates an installation log in the C:\Temp folder. Obviously you may change the installation and/or folder as required. Note the parameter names shown above are case sensitive.



The **VAADDRESS** parameter allows the product to be silently installed when a remote Cristie VA is in use. Please specify the IPv4 address in this case. Similarly the **VATENANCY** option allows a VA tenant to be supplied. These are optional parameters and can be omitted when a VA is not in use.

#### **Running the Component Installers Silently**

You should only choose this method of installing NBMR when running the suite installer silently is, for example, incompatible with any deployment software in use.

To prepare for this each component's stand-alone setup program SetupNBMR.msi must be first be obtained from Cristie Software Ltd.. This will usually be sourced from where you downloaded the suite installer.

Note: 32-bit agent installations are not supported.

Run the silent setup on the command line, for example:

C:\temp\SetupNBMR.msi /quiet

The command will select all of the default values that have been specified for the installation. You may change some of the default values by adding parameters to the command line. For example,

```
C:\SetupNBMR.msi /quiet INSTALLLOCATION="%systemdrive%\Cristie\NBMR" /log C: 
\Temp\Install.log
```

The INSTALLLOCATION property in the above example is overridden from its default value and an install log will be created in C:\Temp. Note the parameter names shown above are case sensitive.

#### 2.2 Uninstalling NBMR components

There are two options available for uninstalling NBMR. You can choose to either uninstall all or selected components.

#### 2.2.1 Uninstall all components

To remove all installed components select NBMR from the Windows Control Panel -> Programs and Features (or Apps and Features on Windows 10/Windows 2019 or later) option.



## Apps & features

		_	-
			41
	ज	-	_
-	( P	-	_
	12		7
		~	

ļ	Microsoft Visual C++ 2017 Red Microsoft Corporation	listributable (x8	20.2 MB 10/08/2023
	NBMR Suite 9.6.1 Cristie Software Ltd. 9.6.1		<b>2.92 GB</b> 22/04/2024
	1	Modify	Uninstall



Then select Uninstall as shown.

😚 NBMR Suite 9.6.1 Setup



Modify Setup

Uninstall Close

 $\times$ 

424 MB

29.5 MB

22/04/2024

22/04/2024

Select Uninstall and all installed components will be uninstalled.





Press Close to exit.

#### 2.2.2 Uninstalling selected components

To remove a selected component only choose the required item from the list of installed programs in the Windows **Control Panel -> Programs and Features** (or **Apps and Features** on Windows 10/Windows 2019 or later).

Note: This method is not recommended. Please use the <u>'Uninstall all components'</u> option where possible. In the following example the NBMR agent is going to be uninstalled but all other product components will be left installed.

Арр	os & features		
1	Microsoft Visual C++ 2017 Re Microsoft Corporation	edistributable (x8	20.2 MB 10/08/2023
O	NBMR Suite 9.6.1 Cristie Software Ltd. 9.6.1		<b>2.92 GB</b> 22/04/2024
		Modify	Uninstall
1	NetWorker Client DELL EMC		<b>424 MB</b> 22/04/2024
17	NetWorker Extended Client DELL EMC		29.5 MB 22/04/2024

Click Uninstall and a confirmation message will be displayed.

This app and its related info v uninstalled.	will be
	Uninstall

Select Uninstall to begin the uninstall process.



#### 2.2.3 Silent Uninstall

If you need to uninstall NBMR repeatedly with the same options, you can uninstall it from the command line without operator interaction.

As for silent install there are 2 approaches to this. Either run the suite installer silently (the recommended method) or extract the stand-alone component installers and run those individually and silently.

#### **Running the Suite Uninstaller Silently**

This is the recommended method because it ensures the components are uninstalled in

the correct sequence and with the correct options. The syntax for running the suite setup silently in uninstall mode is:

C:\SetupNBMRSuite961.exe /quiet /uninstall /log "C:\temp\uninstall.log"

This uninstalls all the NBMR agent components and creates an uninstall log in the C:\temp folder. The installation must have been previously performed by the suite.

#### **Running the Component Uninstallers Silently**

This is currently not supported.



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## 3 Product Licensing

When first installed, NBMR may be used for a trial period of 30 days. During that period NBMR is fully functional. If the software is subsequently un-installed and later re-installed on the same system, the 30 day period continues from the date of the first installation. If the 30-day period has already expired then the software will no longer function.

If you wish to use the software beyond the trial period, you must register and purchase a license from Cristie Software Ltd.. Alternatively, and in special circumstances, Cristie Software Ltd. may extend the license period if you wish to trial the software beyond that period.

If you purchase the product, then a license activation code will be made available on the Cristie Licensing Portal. This code will enable you to fully activate the product.

NBMR can also be activated with a **Rental** license code. This allows the software to run normally up to a pre-configured expiration date whereupon it will cease to function.

The following sections discuss this in more detail.

### 3.1 Trial License

A 30-day trial license commences from the date of installation. The NBMR configuration file generator (NBMRCfg.exe - referred to as the **plugin** in the following discussion) will not run after this period expires.

You may use the License Manager to add or inspect license details at any time. Select this from the Start menu shortcut:



Clicking the shortcut will display the **License Manager**. This shows the current Cristie product (**NBMR** in this case), the installed host System signature, system attributes, the product version, the trial end date, license type and a list of current activation codes (if any).



🔰 License Manag	ger	×
License	e Manage	r <b>(Cristie</b>
30		NBMR License found
MACHINE MOBILITY	Contract ID	Please register before trial expiry date
1 A A	Signature	44KELWVD-MTLVA9Q9-9D352HWB-CNQAFA6S
- Se -	Attributes	Server
MACHINE BACKUP	Version	9.6
1.1	End date	22 May 2024
- 24 -	Туре	Normal
MACHINE RECOVERY	Activation codes	
Activation code	e information:	
Туре		
End date	2	
Attributes		
Manual Ad	ctivation	
Site Lio	cense	Exit

The NBMR configuration file generator will become active again as soon as a full license has been purchased from Cristie Software Ltd. and the new activation code entered via the License Manager.

#### 3.2 Full License

A Full license entitles the Customer to product support and upgrades for the duration of the maintenance period.

Note: The software will continue to function beyond the maintenance expiry date, but the Customer will not be eligible for support and upgrades.

To upgrade from the trial license to a full license, you need to apply for a full license activation code either via the Cristie Licensing Portal website or via the product License Manager. In either case you will need to first register an account on the Cristie Licensing Portal (located at https://portal.cristie.com/login). A Contract ID will be created and provided to you when you purchase a license.

These are the various codes used in the Cristie licensing process:

**Contract ID**: A 4-digit number supplied by Cristie Software Ltd. Sales during the license purchase process.

Agreement Number: Same as Contract ID at the moment.

**Contract Code**: 35-character contract code obtained from the Cristie Licensing Portal **Activation Code**: 35-character support activation code obtained from the Cristie



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Licensing Portal

In special circumstances a 'site license' may be issued by Cristie Software Ltd. for customers that order a significant number of product licenses. Please contact your Cristie sales representative if you wish to discuss this service.

The product can be activated either **manually** (direct Internet access not required) or by using the Cristie Virtual Appliance (Cristie VA) if you have one. Manual activation requires a Cristie Licensing Portal account.

Note: this discussion assumes that NBMR is already installed on a Customer production machine.

#### 3.2.1 Setting up a Cristie Licensing Portal account

To setup a new account on the Cristie Licensing Portal follow the following steps. To do this you will need your 4-digit Contract ID and contract setup password. These will be provided by email from Cristie Software Ltd. when you purchase a product license.

Note: Your Contract ID may have been supplied to you as your contract Agreement Number. In that case please use your Agreement number in place of the Contract ID throughout.

1. On a machine that has Internet access run a suitable browser such as Microsoft Edge and then navigate to the Cristie Licensing Portal web page at https://portal.cristie.com/login.



Select Register to create a new account. Enter your new account details (note this is an example):



Crist	<b>ie</b> <sub>vare</sub>	
Register		
Username	Cristie User	
Email	test@cristie	Scom
New Password		•••••
Confirm New Password		•••••
Password Reset Question		Mother's maiden name
Password Reset Answer		•••••
Contract/Agreement No	4	-
Contract Password	•••••	

Then click Register. If successful the following is shown.

Cristie		
Register		
Registration successful		Q
	Back To Login	

At this point you may now log in to the Cristie Licensing Portal using the E-mail ID and password setup in the previous step.

#### 3.2.2 Manual activation

Manual activation allows you to activate your license using your 35-digit License Activation Code only. This code is obtained from your Cristie Licensing Portal account, but indirectly from the NBMR host by using a second system with access the portal. Use this activation method if your NBMR host does not have Internet access.

The steps involved in activating using the Cristie Licensing Portal are as follows. This discussion assumes your contract is already setup on the Cristie Licensing Portal.

1. Run the License Manager on the installed host machine first and make a note of the system signature code. This code uniquely identifies the host machine.



🍪 License Manag	ger		×
License	e Manage	r 🎸	cristie software
34		NBMR License found	
MACHINE MOBILITY	Contract ID	Please register before trial expiry da	te
1.0	Signature	44KELWVD-MTLVA9Q9-9D352HWB-C	NQAFA6S
- <u>84</u> -	Attributes	Server	
MACHINE BACKUP	Version	9.6	
1.10	End date	22 May 2024	
- 84 -	Туре	Normal	
MACHINE RECOVERY	Activation codes		
		0	
Activation cod	e information:		
Туре			
End date			
Attributes			
Manual A	ctivation		
Site Li	cense		Exit

2. On a machine that has Internet access run a suitable browser such as Microsoft Edge and navigate to the Cristie Licensing Portal web page at https://portal.cristie.com/login. Use your existing Login credentials or create a new account. The following is the Login web page.

<b>Cristie</b>	
	••••]
Email	
	••••]
Password	
Login	
Reset Password	
Register	

Once logged in select the Activate License menu option and enter the following details:

- select the correct **Contract ID** - this will automatically select the correct product, but please check. This ID may have been supplied to you as the contract 'Agreement Number' - please use this instead as the Contract ID.

- select the correct Machine Type - i.e. physical or virtual and then server or desktop.

- select the correct Operating System (OS) Windows in this case
- enter the system Signature as obtained from the License Manager (see above)
- we recommend you enter your system's IP address and hostname

NBMR Installation and Licensing Guide

#### - add any comments you feel are relevant

Cristic	Dre		
		Visit our news page for updates on product releases, what we're up to and more!	
Contract	Available Activa	ations:	
4 (NBMR) 🗸	Physical Server	66	
View Licenses	Virtual Server	1149	
Activate Licenses	Desktop	0	
Surrender Licenses			
Offline Surrender	Machine Type	Virtual V	~
Request Tokens	IP Address *	10.10.11.80	<u>ا</u>
Activity Log My Account <del>-</del>	Hostname *	NP-Win2022	Secure site 🔞
Downloads	Platform *	Windows	~
Log Out	Signature *	WVVLLUVE-GA8LUDE6-AVE5FTL4-YUBWNHFJ	
		(Should be in the format x00000000-x00000000-x00000000)	
		Activate License	

Then click Activate License. A pop-up dialogue will be shown providing the License Activation code:

Successfully Activated License	0
<ul> <li>NP-Win2022         <ul> <li>Activation Code: QT8VCDM9-QUUFVXFA-R9C8A96B-EDY3EE3V</li> <li>IP Address: 10.10.11.80</li> </ul> </li> </ul>	сору

There is no need to remember this code (unless perhaps you are activating the host system at the same time). This and any other code can be retrieved at a later time by reselecting **View Licenses** to show your contract code. Select your **Contract ID** and then click View Activations to see a list of all product activations for that contract.



#### Bare Machine Recovery for NetWorker

22

Contract	Contract Code	VAD4Q3M5-Bł	H6PN377-C4E7LFVM-N4J2R5EL				
	Maintenance Start Date	31 December 2	2012	Maintenance End Date	31 December 2024		
View Licenses	Product	NBMR					
Activate Licenses Surrender Licenses	Show Customer Info						
Offline Surrender Request Tokens	License Details	;					
Activity Log	Туре		Licenses Purchased	Activations A	lowed	Activations Available	ĺ
My Account -	Physical Server		1000	1000		66	
Downloads	Virtual Server Packs		1000	4000		1149	
Log out	Deskton		٥				
	Desitop		0	0		0	
	Activation De	tails Your a	ctive licenses are sho	0 wn here. Surrende	red licenses will no	0 t be shown. export ac	tivations

Hostname	Туре	Activation code	Comment	Timestamp
NP-Win2022	Virtual Activation	QT8VCDM9-QUUFVXFA-R9C8A96B- EDY3EE3V	Obtained by Nigel VIA the Licensing Portal	21 February 2023
localhost:4200	1 token	Y9BLEYDZ-JMLRURRT-8SYHX8EJ-P56SDCRH	Obtained VIA Virtual Appliance (localhost:4200) by user - administrator.	27 January 2023

You will need to make a note of the new **Activation Code** corresponding to your machine activation. See the highlighted codes above for an example.

3. Using the License Manager on the NBMR host system click Manual Activation... and enter the above activation code using the displayed dialogue. You may copy and paste the code using the standard Windows mouse shortcuts or right-click features to do this if you wish. Add the License Activation Code.

🍪 License Manag	er	×
License	Manager	<b>Cristie</b>
14		NBMR License found
MACHINE MOBILITY	Contract ID	Please register before trial expiry date
1.1	Signature	WVVLLUVE-GA8LUDE6-AVE5FTL4-YUBWNHFJ
2 A 1	Attributes	Server
Activation code	Activation ode QTB Form information:	WCDM9-QUUFVXFA-R9C8A96B-EDY3EE3V       at: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Type End date Attributes		
Manual Act	tivation	
Site Lice	ense	Exit



NBMR Installation and Licensing Guide

Now click  $\overline{OK}$  to activate the license.

🍪 License Man	ager	×
Licens	e Manager	<b>Cristie</b>
$-\frac{1}{2}$		NBMR License found
MACHINE MOBILITY	Contract ID	Please register before trial expiry date
1.1	Signature	WVVLLUVE-GA8LUDE6-AVE5FTL4-YUBWNHFJ
- 84 J	Attributes	Server
MACHINE BACKUP	License Manager Successfull QT8VCDMS	y applied the activation code -QUUFVXFA-R9C8A96B-EDY3EE3V
Activation co	ode information:	
Туре		
End date		
Attributes		
Manual	Activation	
Site	License	Exit

At this point your NBMR product is fully licensed and activated with a contract maintenance end date.



	5	Sol sol
$\mathcal{D}_{\mathcal{D}}$		NBMR License found
HINE MOBILITY	Contract ID	4
1. A. S.	Signature	44KELWVD-MTLVA9Q9-9D352HWB-CNQAFA6S
84 J	Attributes	Server
HINE BACKUP	Version	9.6
S. 1	End date	31 December 2024
84.5	Туре	Normal
INE RECOVERY	Activation codes	7HUC436F-ZY28MTF4-CYRUGMH7-3Y6K34PE
tivation cod	le information:	
pe	Product activation	
d date	31 December 2024	
tributes	Server - Virtual	
Manual A	ctivation	

## 4 Cristie Technical Support

If you have any queries or problems concerning your Bare Machine Recovery for NetWorker 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:

- NBMR 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	<u>kb.cristie.com</u>
Forum	forum.cristie.com
Sales Enquiries	<u>sales@cristie.com</u>
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 <u>www.cristie.com/support/</u>

For derails on dates of ok bank holidays, piedse see <u>www.clistie.com/support/</u>

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.

