cristie software

CoBMR Linux Run Book

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Preamble

CoBMR, from Cristie Software Limited, supports the Bare Metal Recovery of Physical Server (File-based) registered sources from a Cohesity DataProtect VSE. It can also recover virtual servers, provided they are protected as Physical Server (File-based) registered sources.

The software currently supports version 6.3.x and 6.4.x Cohesity DataProtect VSE.

How to download

The CoBMR installation media can be downloaded from the following location:

http://source.cristie.com/download/CoBMR

Getting Started with Cristie CoBMR

There are three stages to the deployment of Cristie CoBMR:

- Install the Cohesity Agent
- Install the Cristie CoBMR backup-side software
- Protect your server with your Cohesity DataProtect VSE

Install the Cohesity Agent

The Cohesity Agent software can be downloaded from the Cohesity DataProtect VSE web-interface.

- Select the hamburger menu ≡ COHESITY in the top-left hand corner of the page
- Select **Sources**
- Select the circled plus symbol ⊕ on the right-hand side of the screen
- Select **Download Cohesity Agent**
- Select the agent for **Linux** from the pop-up Download Agents selection options, there are different options for package type in the selection box.

- Once downloaded the package can then be easily installed using the preferred package utility. For example with rpm,

```
# rpm -i el-cohesity-agent-6.4.1a-1.x86_64.rpm
```

- Ports may also need to be forwarded on the system for the Cohesity DataProtect VSE to contact the source machine. These are `59999 TCP & 50051 TCP`.

Install the Cristie CoBMR backup-side software

Once the Cohesity Agent has been installed, the Cristie CoBMR backup-side software can be installed. At the end of the installation some configuration information is recorded which will be required for a successful BMR recovery, should the server later need to be recovered.

The CoBMR source side software is provided either an RPM, DEB & install script. These can easily be installed via the command line, for example the rpm can be installed like so,

```
# rpm -i cobmr-9.1-1.x86_64.rpm
```

The configuration information is recorded by an executable named cobmrcfg, by default in the folder /COBMRCFG on the root drive. The executable should be run before each backup in order to keep the configuration information up to date.

Protect the server with the Cohesity DataProtect VSE

The desired machine can now be protected using the Cohesity DataProtect VSE. If not done previously, now is the time to register the server on the Cohesity DataProtect VSE. The Registered source should be added to a protection job. Until at least one successful run of the protection job, the server is not protected. When the registered source has been added to a protection job, ensure that all the data on the server is being protected.

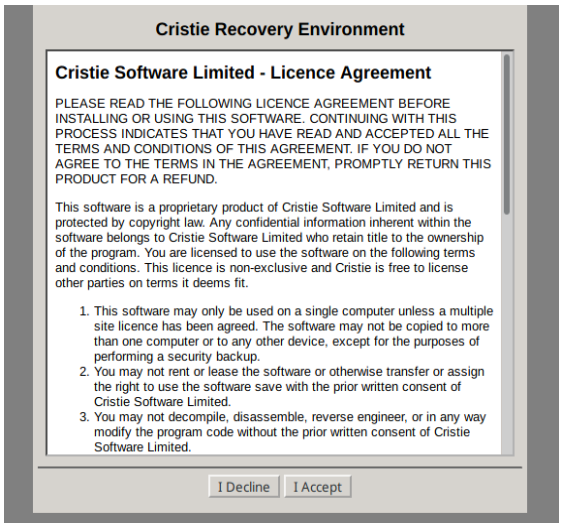
Licensing for Cristie CoBMR

Cristie CoBMR requires a license. When the product is installed, a trial license is automatically included. This allows the product to be used for a period of 30 days from installation. A trial licence extension will need to be obtained, or a full licence from Cristie Software to continue using the software after the trial period.

BMR recovery using Cristie CoBMR

To perform a Cristie BMR for Cohesity recovery using CoBMR the CoBMR recovery environment on a CD, ISO or USB device will be needed along with a target physical or virtual machine to recover to.

The recovery target will need be booted from the recovery media, (i.e. CD, ISO or USB device). After a short time, the opening page of the Cristie CoBMR recovery environment will be displayed (See Step 1 below).



Step 1 of 10.

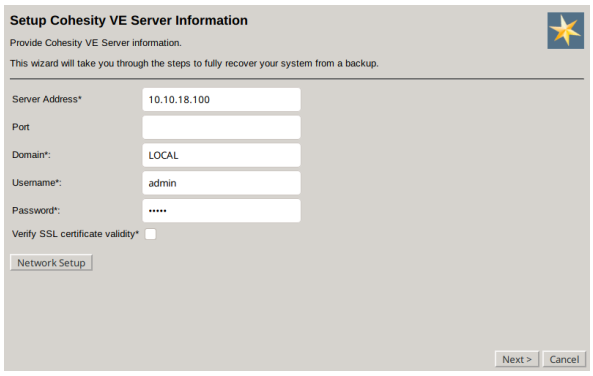
The opening page of the recovery environment. Agreeing to the Licence Agreement will allow to continuation to recovery selection.

Step 2 of 10.

Select CoBMR from the selection box to recover from Cohesity based backups and then press OK to go to the main menu.

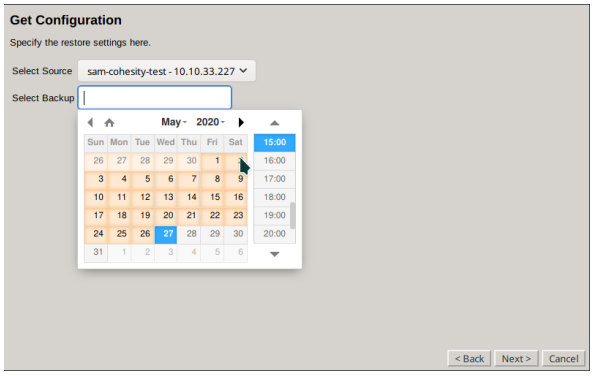
Step 3 of 10.

The main menu has the ability to configure the recovery environment preferences. A recovery can be started by clicking on the `Automatic Recovery` option.



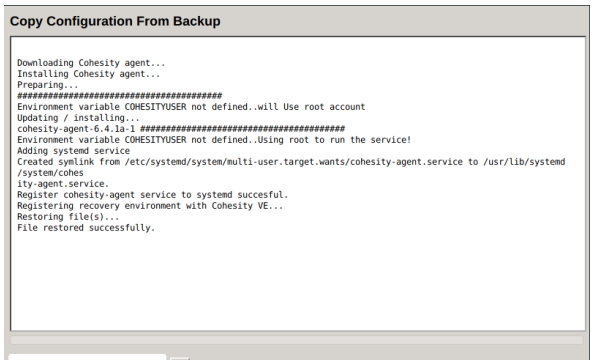
Step 4 of 10.

A pop-up window will then appear, allowing you to enter in the address and access credentials required to access the Cohesity DataProtect VSE.



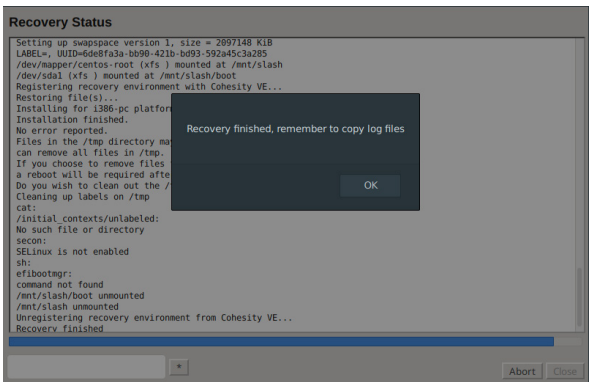
Step 5 of 10.

If the information provided is correct a selection box to choose the source that is to be recovered will be shown. Along with a date/ time picker to choose a desired point in time to recover to. Days highlighted in Orange show a successful backup for that day.



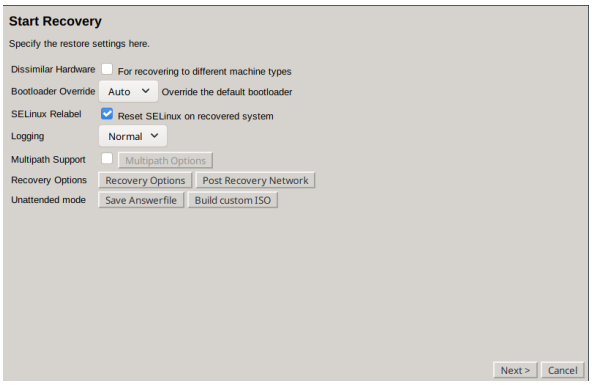
Step 6 of 10.

Pressing the next button will then recover the chosen source machine's configuration from the chosen backup run.



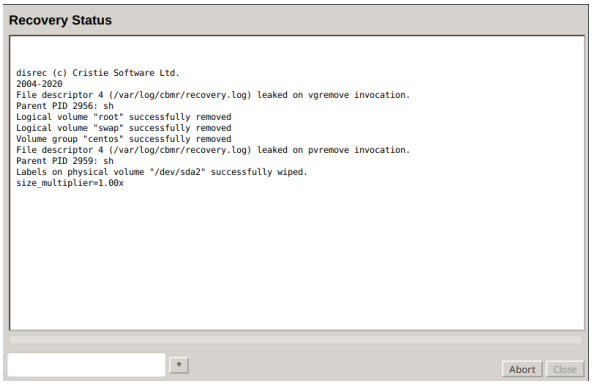
Step 7 of 10.

Once the configuration file has finished recovering clicking the Next> button will show a list of options such as post recovery and dissimilar hardware support.



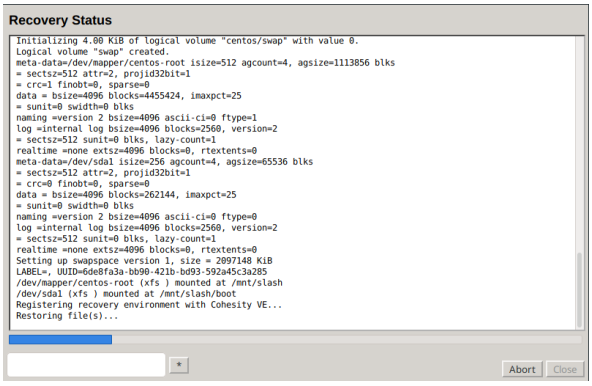
Step 8 of 10.

Once the options have been reviewed, going to the next screen starts the recovery beginning with the partitioning and formatting of the target drives before file restore begins.



Step 9 of 10.

When the file restore phase shows "Restoring file(s)..." the progress bar will continue to climb as the recovery continues.



Step 10 of 10.

When the recovery has completed a popup window will appear to notify as such. It is recommended that the "Copy log files" feature from the main menu is used after recovery has completed.

Appendix A

In order for the Cristie CoBMR recovery environment to function correctly, certain ports must be open between the Cristie CoBMR recovery environment and the Cohesity DataProtect VSE.

The ports required are as follows:

Cristie CoBMR recovery environment → Cohesity DataProtect VSE

Details: Allows the Cristie CoBMR recovery environment utilities to contact the Cohesity DataProtect VSE via HTTPS.

Port: TCP 443

Cristie CoBMR recovery environment ← Cohesity DataProtect VSE

Details: Allows the Cohesity DataProtect VSE utilities to contact the Cristie CoBMR recovery environment via the Cohesity agent.

Ports: TCP 59999 & TCP 50051