

cristie bare machine recovery

CBMR



# Strategies for Bare Machine Recovery

Protecting Your  
Mission-Critical  
Servers



cristie

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## Differing BMR Strategies

- **System reinstallation**

Full system reinstallation using installation CDs  
(Windows and ITSM client)

JumpStart (Solaris), Ignite (HPUX), NIM (AIX)

- **System backup and restore**

File by file backup – CBMR, Veritas BMR

Image backup –Ghost, v2i Protector or mksysb or savevg  
on AIX





## System Reinstallation

- Suitable for standardised machines which are completely controlled centrally.
- Can be a lengthy process.
- Cannot be standardised across different operating systems.
- Will handle a restore to differing hardware.





## System Backup and Recovery

- May require additional storage.
- Regular backups need to be scheduled and administered.
- Requires additional software to handle the backup and restore processes.
- Requires a basic operating system with the necessary drivers to access all required devices.
- Requires knowledge of how to configure resources - partition disks, configure network and boot details.





# Examples of Different BMR Strategies in Windows

- Reinstallation from original disks.
- ASR (2003 only).
- Software packages:
  - TSM integrated.
  - CBMR.
  - Veritas BMR.
  - Other.
  - Ghost, LiveState Recovery, etc.





## When Did You Last Test Your Disaster Recovery Process?

### **BMR is the keystone of backup**

In the event of disaster, it doesn't matter how efficiently and completely a system has been backed up if it takes several hours to get it up and running again.

An integrated Bare Machine Recovery solution is therefore the keystone in any backup and DR strategy, ensuring that mission-critical servers can be restored quickly and easily following loss or outage, and allowing business to continue uninterrupted.

A DR test will reveal any problems in your backup strategy.





## Cristie's BMR Solution: Fast, simple, reliable

CBMR is a complete enterprise solution for backup and recovery of your critical servers.

Restore times are as little as ten minutes and the software is easy to use, works fast and reliably and has many features allowing you to maximise use of your existing infrastructure and resources.



CBMR is Ready for IBM Tivoli Software.





## Cristie's BMR Solution: 3 Platforms

There are three Cristie BMR products in the CBMR family:

- CBMR Windows



- CBMR Linux



- CBMR Sun Solaris







## CBMR Offers More

- CBMR can restore a Windows OS in under ten minutes
- CBMR enables you to restore to dissimilar hardware.
- CBMR requires minimal user interaction.
- CBMR carries out file-by-file backups.
- CBMR allows you to backup to both tape and disk.
- CBMR is fully integrated with ITSM.





## Beyond BMR: More from CBMR

CBMR is mainly used to perform Disaster Recovery (DR) in case of disaster where server functionality has been lost. Yet there are many other practical uses for CBMR.

Let's take a look at a few examples of how our customers are using CBMR as a tool to maintain and enhance their IT functions:





## Beyond BMR: More from CBMR

- Migration from old hardware to new, more powerful hardware.





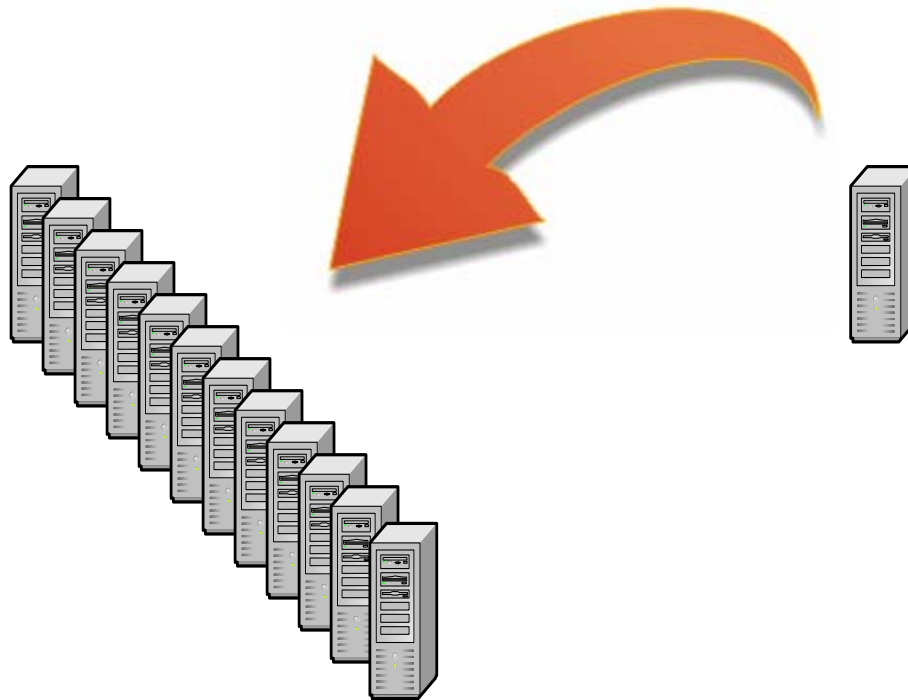
## Beyond BMR: More from CBMR

- SAN consolidation and changes in disk layout (increase size of C:disk)



## Beyond BMR: More from CBMR

- Cloning servers for easy deployment.





## How Do BMR Products Compare?

Feature	CBMR	Ghost	LiveState Recovery	Veritas	ASR
Windows Support	✓	✓	✓	✓	✓
Linux Support	✓	✓	✗	✓	✗
SUN Solaris Support	✓	✗	✗	✓	✗
Dynamic Disk Support	✓	✓	✓	✓	✗
Ready for IBM Tivoli	✓	✗	✗	✗	✗
Boot Support for RAID and SAN	✓	✗	✗	✗	✓
Dissimilar hardware restore	✓	✗	✗	✓	✗
Disk and Tape support	✓	✗	✗	✓	✓
Supports ITSM Client Level	✓	✗	✗	✗	✓
Software-independent	✓	✓	✓	✗	✓
Choice of Graphical or Command-line interface	✓	✗	✗	✓	✗





## Prerequisites

- Operating Systems

  - Windows NT4 (SP6)

  - Windows 2000: Professional/ Server/ Advanced Server

  - Windows XP: Home/ Professional

  - Windows 2003 Web Server / Standard Edt / Enterprise Edt.

  - Linux ix86 based (Kernel 2.2.x and above)

  - SUN Solaris 7 and above

  - VMware ESX 2.x and above

  - HP-UX 11i

- Virtual Hardware Support

  - VMware Workstation/ GSX/ ESX

  - Microsoft Virtual PC

  - IBM AS/400

- ITSM API Client Support

  - Fully supports ITSM Server and Clients 5.2.x and above

  - Compatible with ITSM Server and Clients 4.2.x.x and above





## Stay in business continuously

Many organisations do not yet have a suitable BMR solution as part of their Business Continuity infrastructure. BMR is the keystone of backup – without it, saved data can't be restored effectively.

CBMR is a **fast, simple** and **reliable** BMR solution.

It's small, easy to use and is highly adaptable so it will suit every storage environment. CBMR is unique because it is designed to **integrate smoothly with ITSM** and can **restore a Windows OS in under ten minutes**. It is the first BMR product to offer documented **Dissimilar Hardware Restore**.

