Options For Performing Bare-Metal Restore

There are different kinds of disasters you may need to recover from. At R1Soft we consider any situation requiring you to take your server off-line to Restore as Disaster Recovery, and we call this Bare-Metal Restore. You typically want to perform a Bare-Metal Restore any time you need to Restore more than just a handful of files.

There are two options for performing a Bare-Metal Restore.

> **Note**
> Disaster Recovery Boot Media (Version 3.18.1 and higher) supports the following two (2) Recovery Methods for both Windows and Linux Bare-Metal Restores.

- Live CD (Disaster Recovery Boot Media Version 3.18.1 and higher) - Download the CD-ROM ISO image, also referred to as Live CD. This ISO image should be burned to a CD-ROM using a CD-writer drive and any common CD burning software (see Writing ISO Files CDs). This method requires physical access to the computer to insert the CD-ROM. It cannot be easily automated or remotely initiated. See Using Boot CD-ROM.
- PXE Network Boot (Disaster Recovery Boot Media Version 3.18.1 and higher) - With PXE Boot and R1Soft CDP Server it is possible to provide a hands-free, fully automated Disaster Recovery and re-deployment system for the entire data center. See Using PXE Network Boot.

  > **Note**
  > To use this method, you need a special "boot" server running the services required for PXE Environment to work - DHCP and TFTP, as well as NFS service. Having this "boot" server and R1Soft CDP Server, you will be able to carry out a hands-free, fully automated Disaster Recovery and re-deployment system. For servers which provide remote access to the server console, it can be done via IP-KVM solutions. This method does not require physical access to the server.

  Each of the listed options has two sub-options:

- Booting into Agent environment - To use this option, you need a running CDP Server installed on a machine different from one to which you are going to restore.
- Booting into Server environment - This option allows to restore the current machine from a Disk Safe located on a network drive or on the secondary physical disk. When you boot from Live CD Server or PXE Network Boot Server, then a full-fledged CDP Server runs. In

the CDP Server Web Interface you will be able to add the Disk Safe to restore from.

Choose the option that fits your specific needs.