Metasys System Backup and Restore Utility
Application Note

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Metasys® System Backup and Restore Utility
Application Note

Document Introduction
This document describes the Metasys® system Backup and Restore utility, including compatibility, uses, installation, and operation.

Metasys System Backup and Restore Utility Overview
The Metasys system Backup and Restore utility is a Microsoft® Windows® application, which replaces the following applications:

- Disk Operating System (DOS) batch files (SAVEDB.bat and RESTDB.bat) used with the Move Utility
- Norton Ghost™ for M-Series Workstations

System Requirements
The Metasys system Backup and Restore utility uses Microsoft Internet Explorer Version 4.0 or later Web browser. You should have 1 GB or more hard disk space available for staging the archive during backup and restore. To back up to a CD, you need a CD writing device. To restore from a CD, you must have a CD reader.

To restore files, the logged on user for Windows NT®/Windows 2000 operating systems must have Administrator rights.

Note: If the format or location of the following settings or files changes for later versions of the products listed under Compatibility, the utility is not able to Restore on a later version when backed up from a previous version:

- Person-Machine Interface (PMI) Data Files
- PMI User Settings
- PMI Database References
- M-Series Data Files
- M-Series User Settings
- M-Series Database References

Metasys system Backup and Restore works on the following operating systems:

- Windows 98 SE
- Windows NT Version 4.0 with Service Pack 6 (SP6)
- Windows 2000 with SP2
- Windows XP Professional SP1
**Compatibility**

This utility works with the following products:

- M3 Workstation Release 5.0 or later
- M5 Workstation Release 5.0 or later (stand-alone)
- Metasys PMI Release 12.0 or later (stand-alone)
- M5 Workstation Release 5.0 or later and PMI Release 12.0 or later together on the same computer
- Metasys Web Access (MWA) Release 5.0 or later
- M-Alarm with Multimedia Extensions (MMX) Release 5.0 or later
- Metasys Historical Data Visualization (MHDV) Release 5.0 or later
- Metasys Data Visualization (MDV) Release 5.0 or later

**Applications**

Use the Metasys system Backup and Restore utility for the following tasks:

- disaster recovery
- restore data files for a re-installed component
- restore individual files selectively
- transfer Contract Data from one branch machine’s Contract Folder to another branch machine’s Contract Folder

**Detailed Procedures**

**Installing the Metasys System Backup and Restore Utility**

To install the Metasys system Backup and Restore Utility:

1. Either create a folder C:\Program Files\Johnson Controls\mbr, or pick any folder of your choice in which to place the application files.

2. Copy all files (listed as follows) to this new folder:
   - mbr.exe
   - mbrenu.dll
   - mbr.HLP
   - mbr.cnt
   - backupburner.dll
   - skinfile.bmp
   - readme.txt

The Metasys system Backup and Restore Utility is now ready to use.
**Backing Up Files Using the Metasys system Backup and Restore Utility**

To use the Metasys system Backup and Restore Utility:

1. Navigate to the folder where you installed the Metasys system Backup and Restore Utility files.
2. Close any running Metasys system or M-Series applications.
3. Double-click on the mbr.exe file. The Metasys Backup Restore Wizard starts (Figure 1).

![Figure 1: Metasys Backup Restore Wizard Start](image)

4. Select Backup and click Next. The Metasys Backup Restore Wizard’s file type selection screen appears (Figure 2).
5. The default selection is **Backup Metasys Data**. If contract folders are present on the machine, the **Backup Contract Projects** button is enabled.

**Note:** If you choose Backup Metasys Data, then data from the installed PMI or M-Series product data files are selected for backup.

If you choose Backup Contract Projects, the Project folder name and Contract folder name fields are enabled and the utility searches for contract folders on the machine and lists them in the Contract folder name field. The utility displays the currently active contract information in the Project folder name and Contract folder name fields and allows you to select either individual contracts or all contracts.
6. Select any files you want to backup in addition to the Metasys files and click Next. The Metasys Backup Restore select destination screen appears (Figure 4).

**Note:** The default backup file name is the current date. If you give the file a different name, the new name may not exceed 64 characters. File names longer than 64 characters are truncated. The extension .mbr is automatically appended to the backup file.
7. Choose whether to back up the archive file to a CD or to a Local/Network Drive and click Next. The Metasys Backup Restore utility finish screen appears.

**Note:** If you choose Backup to Local or Network Drive, the Browse button is enabled allowing you to select the drive and folder where you want to place the backup file.

If you choose Backup to CD, make sure there is a blank CD in the CD Writer. If you are using a rewritable CD, the utility asks for your permission to format the CD before copying the .mbr file to the CD.

The CD writing software has its own user interface and is in English only; however, any error messages encountered during CD writing are displayed on the Metasys Backup Restore utility’s user interface in the user language.

If the software is unable to find the CD Writing device on your computer, your CD burner may be incompatible with the third-party burning software used by the Metasys system Backup and Restore Utility. In this case, backup to a local or network drive and use the CD writing software on your computer to write a copy of the file to a CD.
8. Review the source files to be backed up. If the list of source files is correct, click Finish; otherwise, click the Back button and make any necessary changes.

Note: Once you click Finish, the Back button is disabled and the backup progress is shown in the Backup progress field. You cannot cancel a backup once it is in progress. If the backup is successful, the Finish button text changes to Done. If backup fails, the reason appears in the Backup progress field and the Finish button text changes to Failed. Clicking either Done or Failed closes the Metasys system Backup Restore utility.

**Restoring Files Using the Metasys System Backup and Restore Utility**

To restore files using the Metasys system Backup and Restore Utility:

1. Navigate to the folder where you installed the Metasys system Backup and Restore Utility files.

2. Close any running Metasys system or M-Series applications.

3. Double-click on the mbr.exe file. The Metasys system Backup Restore Wizard starts (Figure 1).
4. Select Restore and click Next. The Metasys system Backup and Restore Select Backup to Restore Screen appears (Figure 6).

![Figure 6: Metasys System Backup and Restore Select Backup to Restore Screen](image)

5. Click the browse button and browse the CD, local drive, or network drive to select the backup file from which to restore. Once you select the folder where the backup file is, a list of backup files (with extension .mbr) appears in the Backup file name drop-down list.
6. Select a file and click Next. The Metasys system Backup and Restore restore data selection screen appears (Figure 7).

![Figure 7: Metasys System Backup and Restore - Restore Data Selection Screen](image)

7. The Restore data files for complete project, Restore User Preferences, and Restore Extra Files options are selected by default. You can choose not to restore the user settings and the Extra Files.

Select **Restore data files for selected components**, and click Next to restore a subset of backed-up components. Only components that are in the backup file are shown when you select this option.

**Note:** If a complete Project Folder was backed up, all the contracts are restored and you do not have the option of selectively choosing contracts to restore.

Select **Restore individual files** and click Next to restore individual files. You then click on the Browse button and select a destination folder to which you want all the selected files and folders to be restored. All the selected files and folders are restored (with their subdirectory path maintained) to this destination folder.

**Note:** To restore to different destination folders, run the Restore operation multiple times, each time selecting a new destination folder.
8. If you accepted the default settings and clicked Next, the Metasys system Backup and Restore utility finish screen appears (Figure 8).

9. Select a row in the Destination field and the drive information (space available and space required) corresponding to the selected path is displayed. If the selected item is a Contract Folder or Extra File or Folder, then the Change Drive combo box is enabled and you can change drives if you want.

Note: For products and components, the drive is automatically changed to match the drive on which the products are installed. (Except for the drive letter, the product data path should be same as the product data path at the time of backup).

10. Once you are satisfied with the selected options, click Finish. The utility displays the message: The Restore operation will overwrite files that have the same name as files being restored. Are you sure you want to proceed with this operation? If you click Yes, the restore process starts and the restore progress is shown in the Restore progress field.
**Note:** You cannot cancel the restore once it is started. If the restore is successful, the Finish button text changes to Done and a Restore Completed message appears. If the restore fails, the error is displayed in the Restore progress field, a Restore Failed message appears, and the Finish button text changes to Failed.

11. Click the Finish or Done buttons to close the Metasys system Backup and Restore utility.