

# **MS SQL Server Backup - User Guide**

#### TABLE OF CONTENTS

Introduction	1
Features	1
System Requirements	1
MS SQL Server Backup	2
Accessing SQL Server Backup	2
MS SQL Server Restore	6
Accessing SQL Server Restore	6
OPTION 1	7
OPTION 21	1
Troubleshooting	5
IBackup Support	6



### Introduction

IBackup for Windows allows you to backup the Microsoft SQL Server databases running on your computer to your IBackup account. It takes advantage of the embedded capabilities in Microsoft SQL Server's backup and restore functions to ensure quick and reliable backups and restores.

The online backup is easily configured through the graphical user interface and can be scheduled for future date and time. Restore functions include point-in-time recovery of the specified databases. You need to have appropriate privileges to perform backup and restore operations.

Ensure that you have sufficient space on your computer as the data is first backed up to a temporary folder on your system.

### **Features**

- > Backup MS SQL Server databases without interrupting the running MS SQL Server services
- Enhanced security with 256-bit AES encryption on transfer and storage with a user-defined encryption key that is not stored anywhere on IBackup servers
- Provision to restore 30 previous versions of all backed up files
- > Option to retrieve deleted files from Trash within a 30 day period
- Supports full and transaction log style backup
- Reliable backups using Microsoft SQL Server API technology
- Advanced Scheduling options including email notification
- > Wire compression of data that optimizes the time taken for backup and restore
- Authentication using Windows NT or SQL Server authentication
- Backup and restore logs on completion of the job

**Note:** Refer http://www.ibackup.com/old-version.htm for the details related to architectural / feature set changes to the IBackup application (accounts created prior to 10th August 2011.)

#### **System Requirements**

- Microsoft Windows Server 2008, Windows Server 2003, Windows 2000, Windows NT (SP4), Windows SBS 2011
- MS Express 2008, MS SQL Server 2008, MS Express 2005, MS SQL Server 2005, MS SQL Server 2000, MSDE
- 128 MB RAM
- Sufficient space in hard disk to store the database backup files (.dmp)



## **MS SQL Server Backup**

The SQL Server Backup wizards guide you through the backup of your SQL Server database file (\*.dmp) to your IBackup account.

#### Accessing SQL Server Backup

From the application Menu bar, go to Advanced Backup > SQL Server > SQL Server Backup. Or From the application Tool bar: Wizards > Advanced Backup > SQL Server > SQL Server Backup.

#### Step 1

On selecting the 'SQL Server Backup' option, the 'SQL Server Login' screen is displayed. Here, enter the authentication details.

SQL Server Login	<b>**</b>
SQL Server MJOHN	•
Connect to the SQL Server using	Refresh
<ul> <li>Windows Authentication</li> </ul>	
SQLServer Authentication	
Username	
Password	
Login	Close

IBackup for Windows provides two modes of MS SQL Server authentication:

**Window Authentication Mode:** If you connect through a Microsoft Windows<sup>®</sup> user account, the MS SQL Server validates the account name and password using information in the 'Windows Operating System'.

**SQL Server Authentication:** The MS SQL Server authentication lets you access the MS SQL Server using the information given in the MS SQL Server.

**Blank Password** (not recommended): If you attempt to connect to an instance of the MS SQL Server without providing a login name, then the MS SQL Server uses the Windows Authentication.



Select the databases from the list. You may change the SQL Server local backup path.

QL Server database	<b>?</b>	X
Select the database(s) that you want to back	kup to your IBackup account	
SQL Server local backup path	Browse	
	Backup size: 0.0	
Database Name	Size	٦
master	12.19 MB	-
model	1.13 MB	
msdb	13.50 MB	
Northwind	3.63 MB	
D pubs	2.13 MB	
Sql testing	2.00 MB	
stream	2.00 MB	
success	2.00 MB	
Test1	2.00 MB	
Testing	2.00 MB	
21		
<u>N</u>		
	<back next=""> Close</back>	

Note: Ensure that the SQL Server local backup path have sufficient space to store the databases.



Select a folder in your IBackup account where the database backup files (\*.dmp) have to be stored and click the 'Next' button.

	10.10.10.1
Vame	Modified Date
Ma MA TRACKID	27/01/00 2.40-12 AM DCT
	27/01/09 3:46:12 AM PST
E     E     E     E     E	2//01/09 10:17:01 PM PS1
chtrypted_bata	20/01/09 10:20:25 PM PS1
	26/01/09 10:11:24 PM PST
	20/01/09 10:11:24 PM PS1
	22/01/09 9:20:55 MM PST
-	



Take an immediate backup or schedule it for a future date and time.

Sunday	Monday 1	l <b>⊽</b> Tuesday	Vednesday	<b>⊽</b> Thursday	<b>⊽</b> Friday	Saturday
Daily Schedule     Start the job immed     Hourly Schedule     Monthly Schedule     Schedule Time : 7:4	liately 08 — of every n 16:00 PM —	nonth	Notify me on the Cut-off Time 12 Start the missed Email Notification xample: joseph@c	e desktop when ti 1: 12: 42 PM d scheduled back n C Notify gmail.com, thomas	e scheduled job is up when the compu- always Not @hotmail.com	completej uter is turned on tify on failure
Backup/Restore sched	uled jobs list	Status	Destination		Scheduled day(	e)
Backup Set	Next Hanster	1 3 10 103	My IBackup/		Sunday,Monday	,Tuesday,Wednes
Backup Set IBSQLServerBkset (	8/8/2011 7:46:					

**Note:** You can backup the entire database selected for backup along with the corresponding database log file to your IBackup account. (The database file will be enclosed within [] brackets '[<database name>]. dmp'). The backup file contains the entire structure and component of selected database and the corresponding database log file.

You can also backup multiple databases wherein each database will have its own corresponding '[<database name>]. dmp' file.

**Note:** IBackup for Windows allows you to schedule the SQL Server backup for different instances. For easy identification of the SQL Server Backup set, the name of the Backup set will be 'IBSQLServerBkset' and followed by the instance name that you have scheduled for backup.

For example: If the instance name is 'MJOHN\INSTMJOHN' then the name of the backup job will be 'IBSQLServerBkset (MJOHN##INSTMJOHN)'



## **MS SQL Server Restore**

SQL Server Restore wizards guide you through a step-by-step approach to restore your database backup files (\*.dmp) from IBackup account to your 'MS SQL Server'.

#### **Accessing SQL Server Restore**

From the main application menu, go to Advanced Backup > SQL Server > SQL Server Restore Or

From the application main Tool bar, go to Wizards > Advanced Backup > SQL Server > SQL Server Restore

IBackup for Windows provides two options for restoring the database backup file (\*.dmp) into your MS SQL Server.

SQL Server Restore	Wizard	
Restore th	ne database backup file ('.dmp') from your lBackup ad	ccount to your MS SQL Server
This wizard will assist y	ou to 'Restore' the database backup file (*.dmp') fro	m your IBackup account to your MS SQL Server.
Key features include:		
Authentication using Wir	ndows NT or SQL Server authentication.	
Generate activity log an	d trace messages for SQL Server restore.	
SQL Server Restore Op	tions	
Restore the SQL Set	rver database backup file (*.dmp') from your lBackup	account to your MS SQL Server.
C Restore the SQL Set	rver database backup file (*.dmp') from your local co	mputer to your MS SQL Server.
		< <u>Back</u> <u>N</u> ext > <u>C</u> lose



#### **OPTION 1**

Restore the SQL Server database backup file (\*.dmp) from your IBackup account to your SQL Server

#### Step 1

Select the above option from the 'SQL Server Restore Wizard' screen and click the 'Next' button.

#### Step 2

Enter the SQL Server Login details as explained above.

#### Step 3

Select the database backup file (\*.dmp) from IBackup account.

What to Restore?	dentile.	_	?
Select the files/folders to restore to your loc	ai machine		
Name	Size	Modified Date	
III III My IBackup			^
		27/01/09 3:48:12 AM PST	
		28/01/09 1:17:43 AM PST	
		20/01/09 1:51:35 AM P51	
	11.15 MB	28/01/09 1:16:18 AM PST	
Northwind J.dmp	2.58 MB	28/01/09 1:16:23 AM PST	
Pubsj.dmp	1.45 MB	28/01/09 1:16:26 AM PST	
[Sql testing].dmp	914.50 KB	28/01/09 1:16:28 AM PST	
		27/01/09 10:17:01 PM PST	
Encrypted_Data		26/01/09 10:20:25 PM PST	
Statements		24/01/09 2:02:24 AM PST	
sub account1		23/01/09 5:33:23 AM PST	
+ TEST-PC		26/01/09 10:11:24 PM PST	-
+ TESTSBS		27/01/09 9:28:53 AM PST	×
<		20/01/00 1.41.01 444 067	>
	< 8	tack <u>N</u> ext > <u>C</u> l	ose

Note: You can only select the database backup files.



#### Step 4

Select the folder on your local computer to restore your data to it.

	Select a folder/drive under 'My Computer' to restore the selected files.	/folders to it	
Name		Modified Date	
	😑 🔄 Desktop	28/01/09 3:00:06 PM	^
	123456	09/11/08 6:59:31 PM	
	. 🔁 568	20/01/09 11:38:23 AM	
	👔 🧰 garbage	16/01/09 7:34:09 PM	
	😨 🧰 IBACKUPSQLTEMP	12/01/09 7:59:48 PM	
	• 🧰 IBVSSTEMP	22/01/09 4:55:21 PM	
	My Documents	28/01/09 2:43:36 PM	
	😱 🦳 My Profiles	28/01/09 2:46:11 PM	
	∓ 🥅 murk-0.3	28/10/08 10:25:56 AM	
	+ 🦳 New Folder	22/01/09 5:38:29 PM	
	😱 🫅 OpenOffice.org 3.0 (en-US) Installation Files	09/12/08 10:59:55 AM	
	🔹 🦳 report	21/01/09 6:54:59 PM	
	🔹 🧰 restore null	06/01/09 4:01:22 PM	
	¥ 📄 SS	28/01/09 2:31:19 PM	
		AND A CONTRACTOR	~
•			>

#### Step 5

Click the 'Restore' button to initiate the restore of your database file (\* .dmp) from your IBackup account to your local computer. The database files are restored to your local computer before being restored to the SQL Server.



Click the 'SQL Restore' button to restore the database backup file (\*.dmp) from the local computer to the SQL Server.

estore the database backup file to MS SQL Sei	rver		2
Select the database backup file ('.dmp')	to be restored t	to your MS SQL Server	
Database backup file ('.dmp')	Size	Modified Date	Status
C:\SQL-Backup\BACKUPSQLTEMP\[mjohn].dmp	1.27 MB	5/13/2009 9:07:19 PM	
			Browse
Database backup file details:	Be	store database details:	Browse
Database backup file details:	Re	store database details: tabase name: Imicho	Browse
Database backup file details: File name: [mjohn].dmp Data file:	Re Da Da	store database details: tabase name: mjohn ta file location:	Browse
Database backup file details: File name: [mjohn].dmp Data file: D:\Program Files\Microsoft SQL Server\MSSQL.4\MS	Re Da SQ D	store database details: tabase name: mjohn ta file location: \Program Files\Microsoft S	Browse
Database backup file details: File name: [mjohn].dmp Data file: ]D:\Program Files\Microsoft SQL Server\MSSQL.4\MS Transaction Log;	Re Da SQ D: Tra	store database details: tabase name: mjohn ta file location: \Program Files\Microsoft S insaction Log location:	QL Server\MSSQL.4\MS



You may restore your database backup file (.dmp) to a different database by providing a new database name. Further, it is possible to change the Data and Transaction log file location as desired.

estore the database backup file to ins SQL Ser	ver		2
Select the database backup file ('.dmp')	to be restored	to your MS SQL Server	
Database backup file ('.dmp')	Size	Modified Date	Status
C:\SQL-Backup\BACKUPSQLTEMP\[mjohn].dmp	1.27 MB	5/13/2009 9:07:19 PM	1
			Browse
Database backup file details:	Re	store database details:	Browse
Database backup file details: File name: [miohn].dmp	Re	store database details: tabase name: Imiohn	Browse
Database backup file details: File name: [mjohn].dmp Data file:	Re Da Da	store database details: tabase name: mjohn ta file location:	Browse
Database backup file details: File name: [mjohn].dmp Data file: D:\Program Files\Microsoft SQL Server\MSSQL.4\MS;	Re Da SQ E:	store database details: tabase name: mjohn ta file location: \SQL-Data	Browse
Database backup file details: File name: [mjohn].dmp Data file: [D:\Program Files\Microsoft SQL Server\MSSQL.4\MS Transaction Log;	Re Da SQ E: Tri	store database details: tabase name: mjohn ta file location: \SQL-Data ansaction Log location:	Browse

#### Step 7

You will receive an alert message. Click 'Yes' to proceed.

lBackup fo	or Windows	8
?	The MS SQL Server database file that is being restored will be overwritten.	
	<u>Y</u> es <u>N</u> o	

**Note:** You can simultaneously restore multiple database files to the MS SQL Server instances one by one.



#### **OPTION 2**

Restore the MS SQL Server database backup file (\*.dmp) from your local computer to the MS SQL Server.

#### Step 1

Navigate to the 'MS SQL Server restore option' from the application menu or Tool bar, as explained in OPTION 1.

#### Step 2

Select the 'Restore SQL Server database backup file (\* .dmp) from your local computer to the SQL Server database' option from 'SQL Server Restore Wizard' screen.

#### Step 3

On clicking the 'Next' button, you are prompted to enter the SQL Server Login details, as explained in OPTION 1.

#### Step 4

'Browse' to select the database backup file (\*.dmp) from your local Computer (where the database backup file (\*.dmp) was restored earlier from your IBackup account).

Browse My (	Computer	you want to restore t	o your MS SQL
s	erver.		
Name		Size	Modified Date
	😑 🔲 🔄 Desktop		28/01/09 3 木
	123456		09/11/08 6
	÷ 568		20/01/09 1 💻
	🕁 🔲 🧰 garbage		16/01/09 7
	+ Disackupsqutemp		12/01/09 7
	+ Distriction IBV5STEMP		22/01/09 4
	🖃 🔲 🔄 manju destination folder		28/01/09 3
	(msdb).dmp	11.15 MB	28/01/09 2
	🔽 🗋 [Northwind].dmp	2.58 MB	28/01/09 2
	🔽 🗋 [pubs].dmp	1.45 MB	28/01/09 2
<			>
<			>
		<u>O</u> K	Close





Click the 'SQL Restore' button, to restore the selected database backup file (\*.dmp) to MS SQL Server.

estore the database backup hie to MS SQL Se	rver		<b>2 2</b>
Select the database backup file (".dmp	') to be restored	to your MS SQL Server	
Database backup file ('.dmp')	Size	Modified Date	Status
C:\SGL-Backup\BACKUPSQLTEMP\[mjohn].dmp	1.27 MB	5/13/2009 9:07:19 PI	M
			Browse
Database backup file details:	Be	store database details:	Browse
Database backup file details: File name: (miohn) dmo	Re	store database details: tabase name: Imiohn	Browse
Database backup file details: File name: [mjohn].dmp Data file:	Re Da	store database details: tabase name: mjohn ta file location:	Browse
Database backup file details: File name: [mjohn].dmp Data file: D:\Program Files\Microsoft SQL Server\MSSQL.4\MS	Re Da 550 D	store database details: tabase name: mjohn ta file location: \Program Files\Microsoft :	Browse
Database backup file details: File name: [mjohn].dmp Data file: [D:\Program Files\Microsoft SQL Server\MSSQL.4\M! Transaction Log:	Re Da SSQ D Tri	store database details: tabase name: mjohn ta file location: \Program Files\Microsoft : ansaction Log location;	Browse SQL Server\MSSQL.4\MS

You may restore your database backup file (.dmp) to a different database by providing a new database name. Further, it is possible to change the Data and Transaction log file location as desired.



Select the database backup file ('.dmp')	to be restored t	o your MS SQL Server	
Database backup file (* dmp*)	Size	Modified Date	Status
C.ISQL-Backup/BACKUPSQLTEMP/(mjohn).dmp	1.27 MB	5/13/2009 9:07:19 PM	- I
			Browse
Database backun file details:	Be	tore database details:	Browse
Database backup file details:	Re	tore database details:	Browse
Database backup file details: File name: [mjohn].dmp Data file:	Re Da	tore database details: abase name:mjohn a file Incation:	Browse
Database backup file details: File name: [mjohn].dmp Data file: D:\Program Files\Microsoft SQL Server\MSSQL.4\MSS	Re Da Da	tore database details: abase name: mjohn a file location: SQL-Data	Browse
Database backup file details: File name: [mjohn].dmp Data file: D:\Program Files\Microsoft SQL Server\MSSQL.4\MSS Transaction Log:	Re Da Da 50 E: Tra	tore database details: abase name: mjohn a file location: SQL-Data nsaction Log location:	Browse

#### Step 6

You will receive and alert message before the database backup file (\*.dmp) is restored to the MS SQL Server.





The Status will reflect as 'Completed' in the Restore Wizard screen, once the job is complete, as shown below:

estore the database backup hie to ms SQL Ser	ver		<b>22 E</b>
Select the database backup file ('.dmp')	to be restored t	o your MS SQL Server	
Database backup file ('.dmp')	Size	Modified Date	Status
C:\SQL-Backup\BACKUPSQLTEMP\[mjohn].dmp	1.27 MB	5/13/2009 9:07:19 PM	Completed
			Browse
Database backup file details:	Ret	tore database details:	Browse
Database backup file details: File name: [mjohn].dmp	Rea	tore database details: abase name: mjohn	Browse
Database backup file details: File name: [mjohn].dmp Data file:	Res Dal Dal	tore database details: abase name: mjohn a file location:	Browse
Database backup file details: File name: [mjohn].dmp Data file: soft SQL Server\MSSQL.4\MSSQL\DATA\mjohn.mdf	Rea Dai Dai	tore database details: abase name: mjohn a file location: Program Files\Microsoft SQL	Browse Server\MSSQL.4\MS
Database backup file details: File name: [mjohn].dmp Data file: [soft SQL Server\MSSQL.4\MSSQL\DATA\mjohn.mdf Transaction Log;	Rea Dai Dai Dai Tra	tore database details: abase name: mjohn a file location: Program Files\Microsoft SQL nsaction Log location;	Browse Server\MSSQL.4\MS



## **Troubleshooting**

The following are few simple troubleshooting methods, which could resolve few minor problems while working with IBackup for Windows application.

- Windows 2000 you must have service pack 2 or higher installed on the machine for encryption on storage to work properly
- > You must have proper privileges to register the files required during installation
- It is highly recommended to have the latest service pack for Windows installed on the computer
- The system must have an ATX power supply and provide appropriate support in order for Automatic Power off to work, otherwise the machine will just reboot
- > IBackup for Windows requires proxy settings if the computer is behind a proxy
- When the application hangs for a long time and no transfer occurs, Logout of the application and Re-login into the application.
- When you are not able to view the databases in the instance of MS SQL Server you are logged into, contact your DBA to get the proper privileges to access the databases. This is due to lack of proper access permissions / privileges for the username that you currently logged in with. Under such circumstances, you might not be able to view all the databases under the instance.



## **IBackup Support**

Pro Softnet Corporation, IBackup Division, 26115 Mureau Road, Suite A, Calabasas, CA 91302.

#### Telephone

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