

DBR for SQLServer

User Manual



CONTENT

1. Introduction.....	3
1.1 Product Introduction.....	3
1.2 Product Feature.....	3
2. Installation and Uninstall.....	3
2.1 Recommended Configuration of PC.....	3
2.2 Install DBR for SQLServer.....	3
2.3 Uninstall DBR for SQLServer.....	5
3. User Interface Description.....	6
3.1 Button Description.....	6
4. Operation.....	7
4.1 Select the Database to Recover.....	7
4.2 Preview the Recovered Database.....	8
4.3 Export the Recovered Database.....	10
5. Purchase、Activate、Update、Setting.....	12
5.1 Purchase.....	12
5.2 Activate.....	13
5.3 Setting.....	13
5.4 Update.....	14
6. Help & Support.....	14
Telephone.....	14
Email.....	14
Address.....	14

1. Introduction

1.1 Product Introduction

DBR for SQLServer is an efficient and powerful SQLServer database repair tool that can repair damaged,corrupted or inaccessible SQLServer databases, including database tables, views, functions, stored procedures, and triggers. In addition to repairing the database, it can also scan and recover deleted data in the database.

DBR for SQLServer provides a simple and easy-to-use operation interface and simple recovery process, even if you are a non-technical user, you can use it easily.

1.2 Product Feature

Repair SQLServer database corrupt MDF and NDF files.

Support to export the recovered data to SQLServer database or export to CSV file.

Support SQLServer 2000,2005,2008,2012,2014,2016,2017.

Recover deleted data in the database.

Preview of tables, views, functions, stored procedures, and triggers.

Search for database objects in the recovered database.

2. Installation and Uninstall

2.1 Recommended Configuration of PC

For the best performance, the PC specification is recommended as the following:

- CPU: Intel i3 and above
- Memory: 4GB
- Hard Drive: At least 300MB free space for software installation.
- OS: Win7/8/10 Windows Server 2003/2008/2012 64bit OS

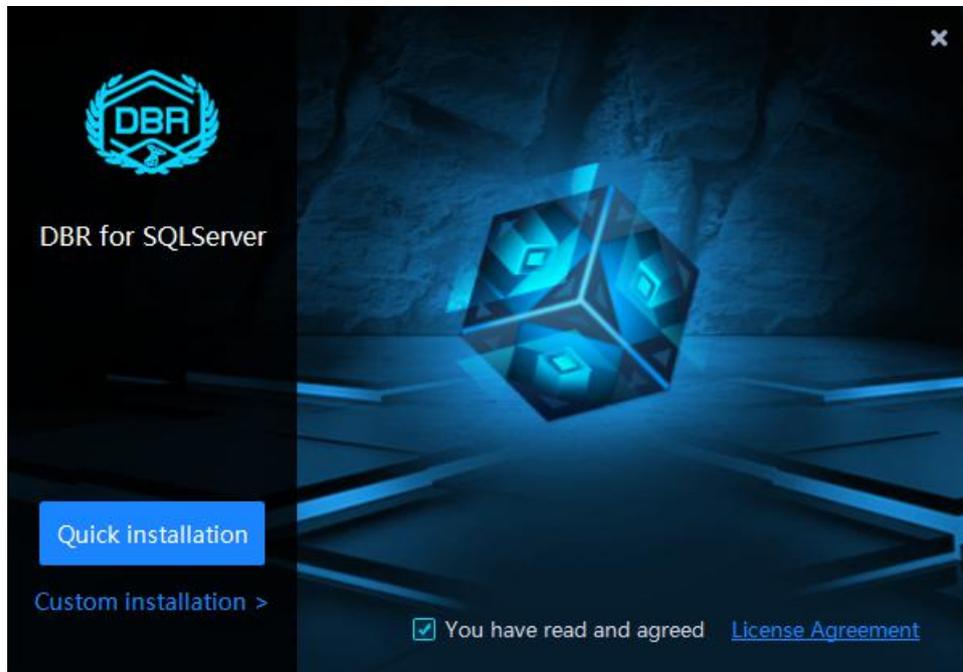
2.2 Install DBR for SQLServer

In order to avoid possible problems during the installation process, it is recommended that you close the anti-virus software before installation.

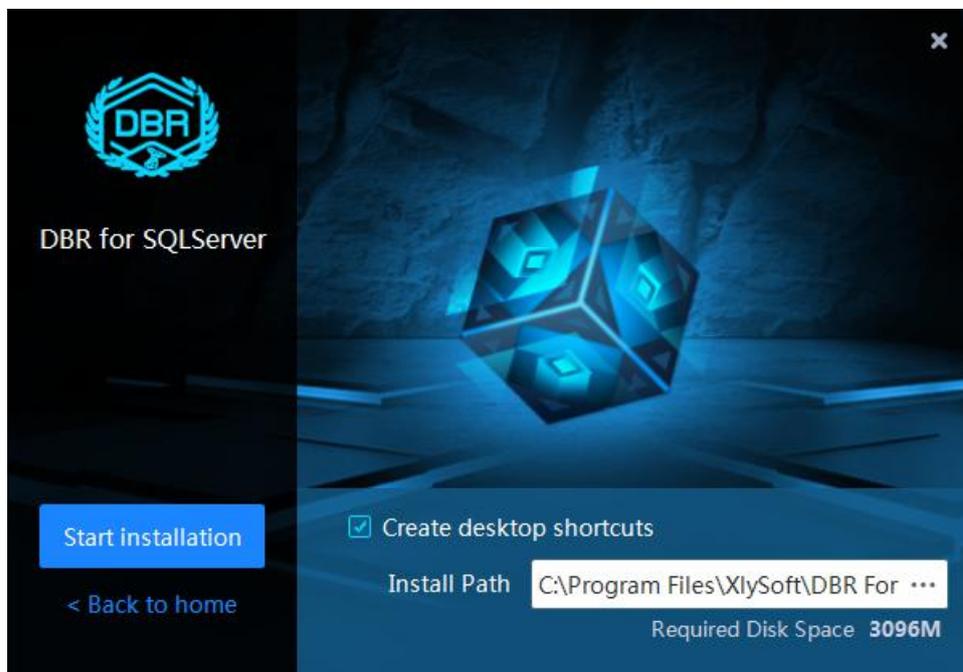
Step 1: Double-click to run the installer.

 DBRForSQLServer_x64.

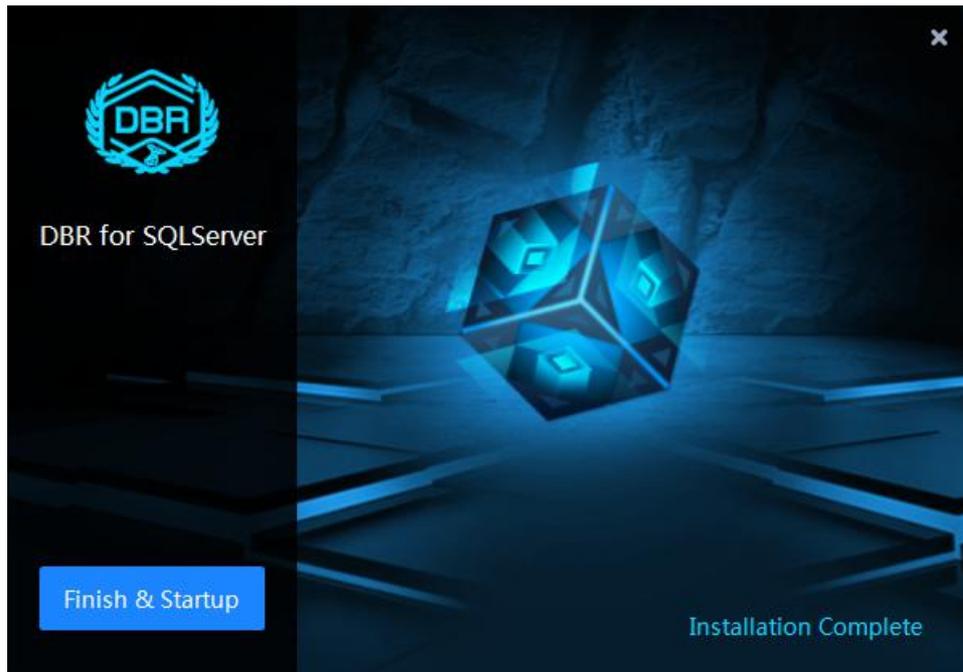
Step 2: Enter the main interface of the installer, check the license after reading the license agreement.



Step 3: Click **Quick installation** to install the software to the default path; or click **Custom installation** and select the installation path, and click **Start installation** to install.



Step 4: After the installation is complete, click **Finish & Startup** to start the program to use or click **Installation Complete** to complete the installation.

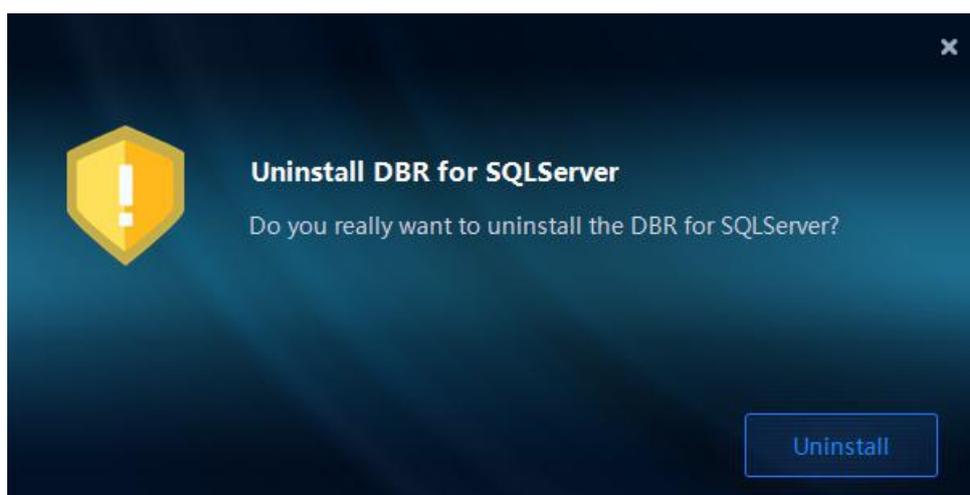


2.3 Uninstall DBR for SQLServer

Step 1: Open the program installation directory, you can see the uninstall program, as shown in the figure below, double-click to run the uninstall program.



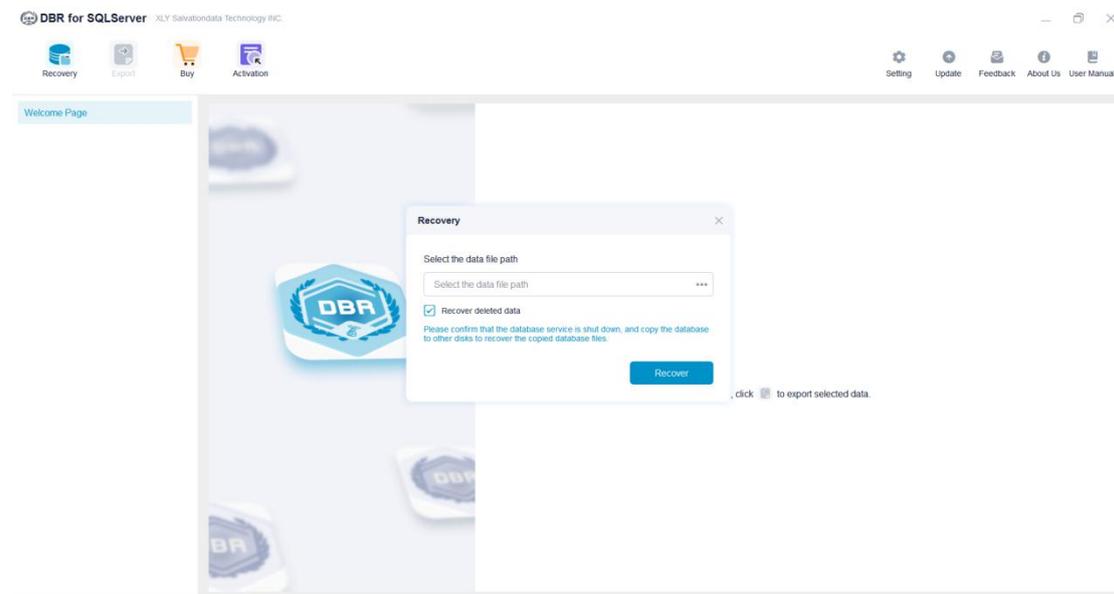
Step 2: Click **Uninstall** to uninstall the program.



3. User Interface Description

DBR for SQLServer provides a simple and easy-to-use user interface, even if you are a non-technical user, you can use it easily.

After starting the program, you can see the interface as shown in the figure below. The function of each button in the interface is explained below:



3.1 Button Description



Recovery Click this button to open the dialog box for selecting the database to recover.



Export Click this button to export the repaired database and recovered data.



Buy Click this button to purchase the software.



Activation Click this button to activate the software after purchase.



Feedback Click this button to open the question feedback dialog.



About Us Click this button to view more information about the software.



User Manual Click this button to open the user manual.



Update Click this button to update the software.



Setting Click this button to software settings.

4. Operation

4.1 Select the Database to Recover

Before recovering data from a corrupted/damaged database, we need to select the database first.

After starting the program, the dialog box for selecting the database will open directly, click the **...** button to select the database file.

Check the option to **Recover deleted data** to recover deleted table records.

Recovery [X]

Select the data file path

Select the data file path [...]

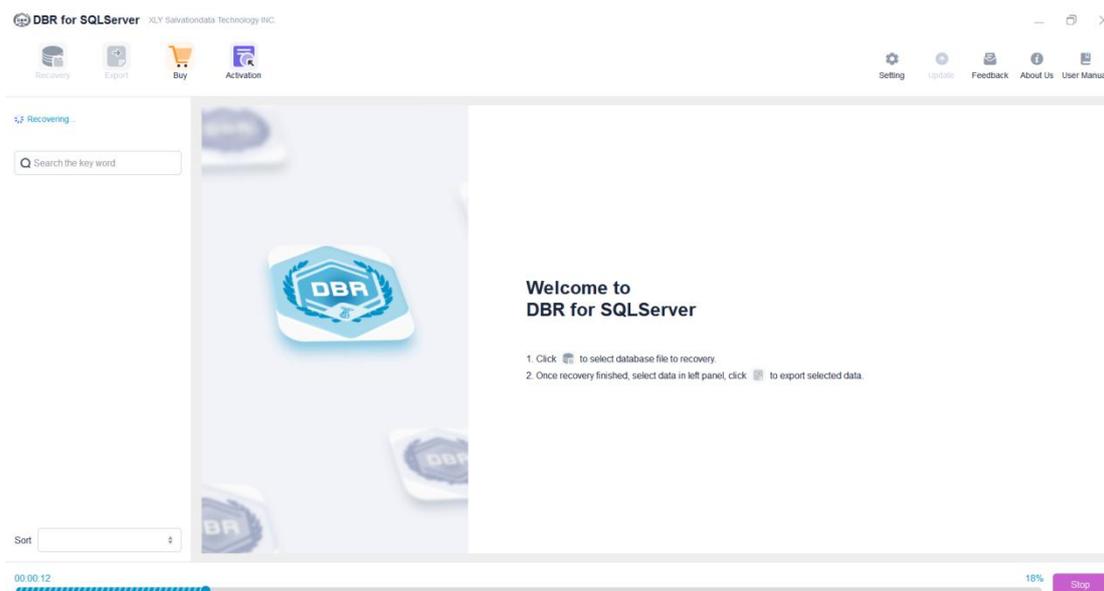
Recover deleted data

Please confirm that the database service is shut down, and copy the database to other disks to recover the copied database files.

Recover

After the selection is complete, click the **Recover** button to start to recover the database. After the recovery is complete, the database can be previewed.

Click the **Stop** button during the scan process to stop the scan and preview the scanned data.

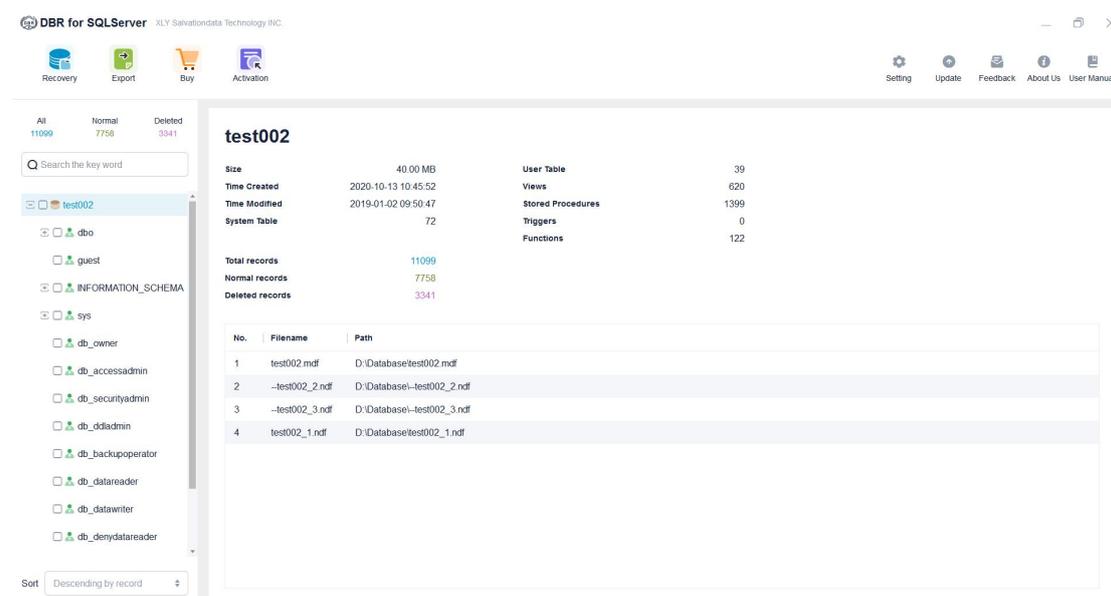


4.2 Preview the Recovered Database

Regardless of whether SQLServer is installed in your system, you can preview the data before exporting the recovered data.

In the tree structure on the left panel of the interface, all objects of the database are displayed; the area on the right shows the detailed content of the database objects. You can use the search box above the tree structure to enter the name of a database object to search for it.

Click the database name in the tree structure to view the basic properties of the database. Including information such as the number of tables, views, stored procedures, functions, triggers and so on.



Click **User Table** or **System Table** in the tree structure to view the name, status, total record number, normal record number, and delete record number of each table in the form of a list.

The screenshot shows the DBR for SQLServer interface. On the left is a tree structure with folders for 'test002', 'dbo', 'guest', 'INFORMATION_SCHEMA', 'sys', and 'System Table'. Under 'System Table', several tables are listed with their record counts. The main area displays a table titled 'System Table' with the following data:

No.	Table name	Status	Total	Normal	Deleted
1	syschobjs	Normal	2428	2424	4
2	sysrscots	Normal	1867	1227	640
3	syscolpars	Normal	1647	1007	640
4	syspriorities	Normal	688	243	445
5	sysobjvalues	Normal	688	243	445
6	sysobjkeycrypts	Normal	688	243	445
7	sysrscots	Normal	653	440	213
8	sysidstats	Normal	461	237	224
9	sysrowsets	Normal	255	162	93
10	sysallocunits	Normal	216	192	24
11	syssingleobjrefs	Normal	201	178	23
12	sysseobjvalues	Normal	201	178	23
13	sysprivs	Normal	179	177	2
14	sysaudacts	Normal	179	177	2
15	sysxmlfacet	Normal	131	112	19
16	sysxmlcomponent	Normal	109	100	9
17	sysmultiobjrefs	Normal	107	107	0

When viewing table records, the status of normal table records is displayed as , and the status of deleted table records is displayed as .

The screenshot shows the DBR for SQLServer interface with the 'Record' view selected. The table has 100 records. The first few records are normal (green checkmark), and the last few are deleted (purple X). The table structure is as follows:

Status	valclass	objid	subobjid	valnum	value	imageval
Normal	60	36	1	0	0	NULL
Normal	60	36	2	0	0	NULL
Normal	60	37	1	0	0	NULL
Normal	60	38	1	0	0	NULL
Normal	60	38	2	0	0	NULL
Normal	60	40	1	0	0	NULL
Normal	60	40	2	0	0	NULL
Deleted	60	34	20	0	0	NULL
Deleted	60	34	21	0	0	NULL
Deleted	60	34	22	0	0	NULL
Deleted	0	4328448	0	88047816	NULL	NULL
Deleted	0	4300800	0	1044348928	NULL	NULL
Deleted	0	4359680	0	2000650240	NULL	NULL
Deleted	0	4227072	0	-1338015744	NULL	NULL
Deleted	0	4280320	4280320	574705664	NULL	NULL
Deleted	0	4263936	0	1530888192	NULL	NULL

When the **(deleted)** mark appears after the field name, it means that the field is a deleted field.

Click on each table record, you can view the detailed content of the record in the lower right area.

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Recovery Export Buy Activation

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All 11099 Normal 7758 Deleted 3341

Search the key word

test002

dbo

guest

INFORMATION_SCHEMA

sys

System Table

syschobjs(2428)

syscols(1867)

syscolpars(1647)

syspriorities(888)

sysobjvalues(888)

sysobjkeycrypts(...)

syscols(653)

Sort Descending by record

Record Structure

All data 2428 Normal Data 2424 Deleted Data 4 Current Page Records 100

Status	id	name	nsid	nsclass	status	type	pid	pclass	intprop	created	modified
●	-1067834502	sp_MSStopdistribution_agent	4	0	1	P	0	1	0	2017-08-22 19:38:42.053	2017-08-22
●	-1067473073	sp_repmonitorefreshjob	4	0	1	P	0	1	0	2017-08-22 19:38:41.957	2017-08-22
●	-1065960762	sp_redirect_publisher	4	0	1	P	0	1	0	2017-08-22 19:38:42.090	2017-08-22
●	-1065074012	sp_MSenumpartialchangesdirect	4	0	1	P	0	1	0	2017-08-22 19:38:47.100	2017-08-22
●	-1064594347	sp_MSupdate_subscriber_info	4	0	1	P	0	1	0	2017-08-22 19:38:41.403	2017-08-22
●	-1064529606	sp_MSdrop_distribution_agent	4	0	1	P	0	1	0	2017-08-22 19:38:41.237	2017-08-22
●	-1064199433	sp_bindsession	4	0	1	X	0	1	0	2017-08-22 19:38:16.670	2017-08-22
●	-1064127790	sp_MSallocate_new_identity_range	4	0	1	P	0	1	0	2017-08-22 19:38:47.973	2017-08-22
●	-1064122628	sp_MSenum_snapshot	4	0	1	P	0	1	0	2017-08-22 19:38:41.547	2017-08-22
●	-1063468038	dm_pdr_nodes_resource_governor_workload_groups	4	0	1	V	0	1	0	2017-08-22 19:38:24.450	2017-08-22
●	-1062693608	sp_repssendioqueue	4	0	1	X	0	1	0	2017-08-22 19:38:40.670	2017-08-22

syschobjs

id: -1064529606

name: sp_MSdrop_distribution_agent

nsid: 4

nsclass: 0

status: 1

Click **Structure**, you can view the table structure of the table.

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All 11099 Normal 7758 Deleted 3341

Search the key word

test002

dbo

guest

INFORMATION_SCHEMA

sys

System Table

syschobjs(2428)

syscols(1867)

syscolpars(1647)

syspriorities(888)

sysobjvalues(888)

sysobjkeycrypts(...)

syscols(653)

Sort Descending by record

Record Structure

Structure SQL

Field Name	Key Type	Field Type	Length	Accuracy	No Symbol	Allow Null	Deleted	Hidden	Coding	Remark
id	None	int	10	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
name	None	nvarchar	128	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unicode Little	
nsid	None	int	10	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
nsclass	None	tinyint	3	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
status	None	int	10	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
type	None	char	2	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASCII	
pid	None	int	10	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
pclass	None	tinyint	3	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
intprop	None	int	10	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
created	None	datetime	8	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
modified	None	datetime	8	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	
status2	None	int	10	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	

4.3 Export the Recovered Database

After previewing the recovered database, you can export the database.

First, check the checkboxes in front of the tables or other database objects that need to be exported in the tree structure, then click the **Export** button to open the export database dialog box.

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Recovery Export Buy Activation

Setting Update Feedback About Us User Manual

All 11099 Normal 7758 Deleted 3341

Search the key word

test002

dbo

guest

INFORMATION_SCHEMA

sys

System Table

syschobjs(2428)

syscols(1867)

syscolpars(1647)

syspriorities(888)

sysobjvalues(688)

sysobjkeycrypts(...)

syscols(653)

Sort Descending by record

Status	rsid	rscolid	hbcolid	rmodified	ti	cid	ordkey	maxinrowlen	status	offset	nullbit	bitpos	colguid
●	196608	1	1	3189	127	0	1	0	128	65540	1	0	NULL
●	196608	2	2	3189	56	0	0	0	128	12	2	0	NULL
●	196608	3	3	3189	56	0	2	0	128	589840	3	0	NULL
●	196608	4	4	3202	127	0	0	0	128	20	4	0	NULL
●	196608	5	5	3202	56	0	0	0	128	28	5	0	NULL
●	196608	6	6	3322	56	0	0	0	128	32	6	0	NULL
●	196608	7	7	3202	52	0	0	0	128	36	7	0	NULL
●	196608	8	8	3202	52	0	0	0	128	38	8	0	NULL
●	196608	9	9	3203	56	0	0	0	128	40	9	0	NULL
●	196608	10	10	3202	56	0	0	0	128	44	10	0	NULL
●	196608	11	11	3202	56	0	0	0	128	48	11	0	NULL
●	196608	12	12	3202	52	0	0	0	128	52	12	0	NULL
●	196608	13	13	3202	4261	0	0	0	0	65535	13	0	NULL
●	327680	1	1	388	127	0	1	0	128	65540	1	0	NULL
●	327680	2	2	658	48	0	0	0	128	12	2	0	NULL
●	327680	3	3	658	56	0	0	0	128	13	3	0	NULL

1/19 100 To

You can select to export the data as a file or export the data to a newly created SQLServer database.

Export to File:

In the Export Database dialog box, select the **Export to file** tab.

You can select to export the data in CSV format. And select whether to export deleted data and deleted field according to actual needs.

After selecting the save path, click the **Export** button to export.

Export Data ✕

Export to file
Export to database

Export Deleted Data Yes No

Export Deleted Field Yes No

Save Path

Open the folder when process is done

Export

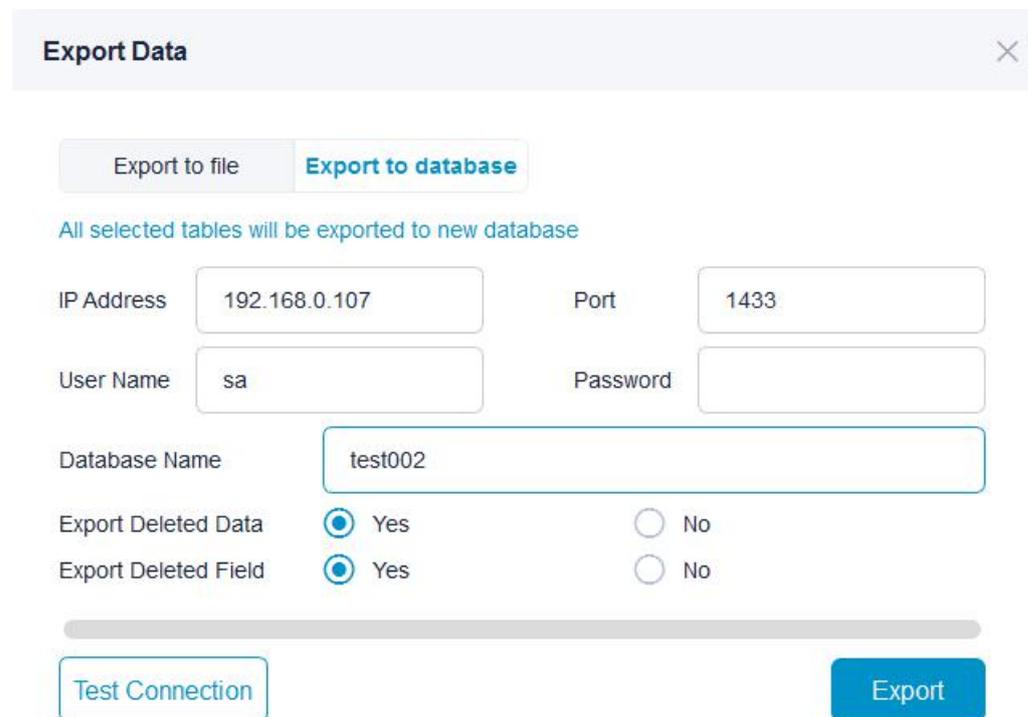
Export to Database:

Note: Using this export method, the program will create a new SQLServer database and export the selected table to this database. Currently, it only supports exporting database tables to the SQLServer database.

In the Export Database dialog box, select the **Export to database** tab.

Fill in the IP Address, Port, User Name, Password, and Database Name of the newly created database, and select whether to export deleted data and deleted field according to actual needs.

After completing the filling, click the **Export** button, the system will create a new SQLServer database based on the filled information, and export the selected tables to the database.



Export Data [X]

Export to file | **Export to database**

All selected tables will be exported to new database

IP Address: 192.168.0.107 | Port: 1433

User Name: sa | Password: []

Database Name: test002

Export Deleted Data: Yes No

Export Deleted Field: Yes No

[Test Connection] [Export]

5. Purchase, Activate, Update, Setting

5.1 Purchase

You can go to <http://www.salvationdata.com/dbr4ms/> to learn more about DBR for SQLServer.

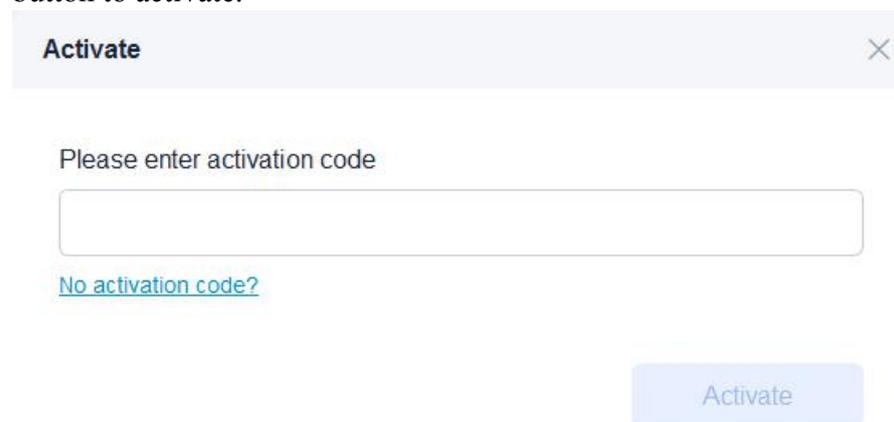
To purchase, please go to <http://www.salvationdata.com/dbr4ms/buynow.html>

You can also click  Buy in the software to purchase online.

After the order payment is successful, you will receive an email containing the software activation code, you can use the activation code to activate the software.

5.2 Activate

After obtaining the activation code, you can click  in the software to open the activation software dialog box. After entering the activation code, click the **Activate** button to activate.



Activate

Please enter activation code

[No activation code?](#)

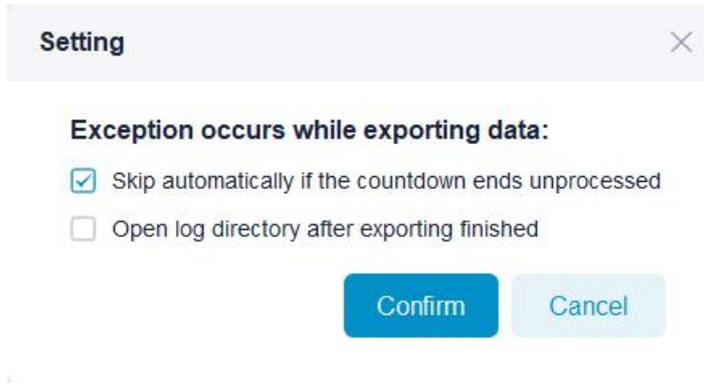
Activate

5.3 Setting

Click  to open settings.

Skip automatically if the countdown ends unprocessed: If it is checked, when exporting data has problem, pop-up to ask for process method. It will skip automatically if 10s countdown ends without process method selection.

Open log directory after exporting finished: If it is checked, when exporting data has problem, after exporting finished it will automatically open the operation log directory folder.



5.4 Update

DBR for SQLServer will provide software updates on a regular basis. You can click

 **Update** to check whether the software has the latest version. If the latest version is detected, it will prompt and display the updated content of the new version. You can update the software according to the prompt information.

6. Help & Support

If you have any questions or problems, you can get assistance by following methods.

Telephone

+86 28 6873 1486

Email

Technical Support: support@salvationdata.com

Sales & Marketing: info@salvationdata.com

Address

XLY Salvationdata Technology INC.

Room 1101-1102, Zhonghang City Plaza, Wuhou, Chengdu, Sichuan, China 610041

We are looking forward to talking with you soon!