

RedNMX SQL Server

Usage

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Introduction

This document describes in detail how to use Microsoft SQL Server with the RedNMX System. This applies to 2000, 2005, and 2009 version.

System and Database Standards

This section describes in detail the standards for the database:

- RedNMX. This is the name of the database.
- RedNMXTraining. This is the name of the training database.
- RedNMXTest. This is the name of the development and test database, when applicable.
- 1433. This is the port that is required to be open for use across the internet.
- User name and password of the database needs to be entered in Chapter 1E, found in the Alpine CRM System.

Creating a Training Database

This section describes how to export the RedNMX and load the RedNMX Training Database.

1. Open Microsoft SQL Server -> Enterprise Manager or SQL Server Management Studio (* depends on version of SQL Server)
2. In the Left panel, Navigate to the Server, and then to the databases on that server. You may be prompted for a password, which should be located in Chapter 1E.
3. With the Databases shown, select the database you would like to make a training database of. This should be **RedNMX**.
4. Right click on the database name, select **All Tasks => Backup Database**.
5. On the Backup properties screen, verify that **Database - Complete** is selected.
6. Under Destination, select Add. Using the browse button, select a location and a filename and press OK.
7. Press OK to execute the backup.
8. Once the backup is complete, go to the left panel and right click on the Databases tab and select **New Database**.
9. Enter the name for the training database, **RedNMXTraining** in this case, then press OK.
10. Right click on the training database name, select **All Tasks => Restore Database**.
11. Verify that the name in **Restore Database As** is the training database name.
12. Under Parameters => **Show Backup of Database**, select the original database you are making the backup from. This will show the recent backups of that database.
13. Select the most recent backup (which should be the one you just did.)
14. Under the Options tab at the top, check the box **Force Restore over Existing Database**. This will allow us to overwrite the blank database. **NOTE: If there is a previous training system, this will completely overwrite it.**
15. Press OK to begin the restore procedure.
16. Once the restore is complete, close the windows and exit out of Enterprise manager.
17. Verify the training system has been setup.

Creating a New Database

This section describes how to create a new database.

1. Open Microsoft SQL Server -> Enterprise Manager SQL Server Management Studio (* depends on version of SQL Server).
2. In the Left panel, Navigate to the Server, and then to the databases on that server. You may be prompted for a password, which should be located in Chapter 1E.
3. Right click on the Databases tab and select **New Database**.
4. Enter the name for the training database, then press OK.

SQL Backup Plan

In general, we recommend performing a full Database backup of the REDNMX database via the MS SQL Maintenance Plan at least two times a week at off peak hours. The backup file export destination should be external media (like tape or disc) or an alternate drive / network storage. This prevents losing all preserved data from any unforeseen issue with drive failure, fire, or other loss of the server itself.

There is no need to backup the REDNMXTRAINING or REDNMXTEST databases.

The process to create a backup maintenance plan varies slightly with each version of MS SQL Server, but it can be accomplished in the SQL Management Studio tool. If you need assistance creating a plan, we would be happy to assist.

SQL Backup Plan: Additional Information

The following are recommendations for a back up plan:

1. Archive Backups at least once a week or every other week. These backups are useful when it is discovered months later that a staff member is missing.
2. Setup a backup work station that has SQL Server installed.
3. Test the restoring procedure on a backup work station on a regular basis. Review data and verify that all data is there.
4. Store backup media offsite.
5. Utilize a backup media that is easily readable, like DVD.
6. The best service is companies like Iron Mountain, and Amazon Cloud Services.