

Intranet and Test Controller Backup/Recovery

Introduction

Upgrading to a new software version entails some risk. Usually, issues that arise are resolved quickly, and productive use of the system is not impaired. However, unforeseen problems could make immediate use of an upgrade impractical. In such cases, some means of removing the upgrade, or restoring the previous software version, is needed. Fortunately, it is straight forward to back up the Intranet version of the Reedholm Distribution Software (RDS).

In order to have something to restore, the first step is to back up the existing version. Since the database, intranet application, and controller test engine must all be at the same revision level, they need to be backed up and restored together. Finally, product and database access is not allowed while backing up or restoring.

Application and Database Backup

Before backing up the files, the target “BAK???” directories must first be created. If the directories already exist, then they must be emptied. On the DOS-based Test Controller, the command “xcopy”, with the “/s” switch, is used to copy files and folders.

Enterprise and Lab Edition Backup

- 1) The Reedholm database is backed up to tape by running the Database Maintenance Plan.
- 2) Internet Information Services (IIS) and database services (SQLServerAgent, IIS Admin Service and MSSQLServer) are stopped via the *Start—Settings—Control Panel—Administrative Tools—Services* menu.
- 3) All the database files in D:\RIWEBSQL are copied to D:\BAKDB.
- 4) All the application files and folders in C:\Inetpub\wwwroot\Reedholm are copied to C:\BAKAPP.
- 5) The computer is rebooted in order to restart IIS and database services.

Test Controller Backup

All test engine files and folders in C:\RI are copied to C:\BAKRI. The test controller is rebooted.

Software Update

At this point, the software upgrade can proceed. If any issues arise that require a complete restoration to occur, the instructions in the next section are followed.

Application and Database Recovery

These instructions restore the application and database to their state before the upgrade took place. Thus, all database changes made while running the upgraded software, including lot data gathered, test plans changed, etc., will be lost when a recovery is done. The recovery is basically a reverse of the backup steps, except that the copying requires confirmation in order to overwrite the existing files.

Enterprise and Lab Edition Recovery

- 1) Internet Information Services (IIS) and database services are again stopped.
- 2) All the application files and folders in C:\BAKAPP are copied to C:\Inetpub\wwwroot\Reedholm.
- 3) All the database files in D:\BAKDB are copied to D:\RIWEBSQL.
- 4) Enterprise or Lab Edition computer is rebooted

Test Controller Recovery

All the test engine files and folders in C:\BAKRI are copied to C:\RI. The test controller is rebooted.

Remove Backup Directories (BAK)

Once it is obvious that a recovery will not be needed, the backup contents should be deleted in order to reclaim disk space.