

Database Refreshes

This article goes over the process for refreshing test [medical] databases

Instructions

Prelude:

1. Confirm with Support the exact test [medical] database to refresh
2. Log into the database server
3. Make sure that the production [medical] database has been backed-up recently
 - a. Right-click the database > properties
 - b. Check the last database backup date
 - c. (Note: this can also be done using a command like "exec mi_util_dbreview '\$db_name', 1, 1")
4. If no recent backup exists, back up the database immediately and figure out what happened

Analyze the Space:

1. Check the size of the MDF & LDF files for both the production and test [medical] databases
2. Ensure that there is enough disk space for another database the size of production [medical]

Analyze the Time:

1. Determine which job is used to backup production [medical] by looking at the Maintenance Plans
 - a. Ensure that the .bak files actually exists on the server
2. Identify the job in the Job Activity Monitor and see how long backups take to run.
 - a. This provides a rough approximation of how long the restore will take

Interlude:

1. Run by IT when the refresh will take place. In general, do not conduct during business hours.
2. Take note of any jobs that have been failing and address them in separate Cases/Tasks.

The Refresh:

1. On the agreed upon time, delete the test [medical] database.
2. Restore the latest backup of production [medical]. Be sure that
 - a. The name mirrors the former test database. Do not leave the name as "medical".
 - b. Ensure that the MDF & LDF file names are different. The LDF typically ends with "_log.ldf"
 - c. Double check that the "overwrite the existing database" box is unchecked
 - d. (Note: there is no need to take a tail log backup, if prompted)

Postlude:

1. Change the recovery model of the test database to "simple"
2. Shrink the logs of the test database to 1024 MB
3. Verify whether the following stored procedures have the "medical" db name hardcoded. Modify them accordingly for the test db:
 - a. [util_newcrop_importPharmacyFile]
 - b. [util_newcrop_import]
4. Ensure that Login [usr] has appropriate rights to the test database
 - a. This can be done by running "grant select, insert, update, delete, exec to mwuser" on the test db

Related articles

- [Database Refreshes](#)
- [Database Migration Checklist: 21st Century Oncology LLC dba Florida Urology Specialists, PA](#)
- [Database Migration Checklist: California Spine Institute Medical Center](#)
- [\[Template\] Database Migration Checklist: <client name>](#)