COMMVAULT®

▶ # Performing SQL Point-in-Time Restore

▶ CONTENTS

INTRODUCTION

You can restore a database to a point in time just before a failed transaction occurred. In case of a database failure, you can restore the database to a time just before the failure. The database is restored to the same location from where it was backed up causing the existing database files to be overwritten.

To synchronize all databases, you can restore multiple databases to a particular time.

AUDIENCE

This white paper is intended for system engineers, disaster recovery planners, and data protection and recovery administrators. You should be familiar with backup and restore technologies, and disaster recovery concepts.

RESTORE ENVIRONMENT

A disaster recovery site includes standby servers with the following components:

- Microsoft SQL Server

- Simpana® CommServe® software

- SQL Server Agent

- MediaAgent

- Storage

GOAL

There is a database failure, and you want to restore the databases to a time just before the failure.

SOLUTION

Let us consider an example to restore a database NewDB to a time 3:29:00 PM on August 10, 2015.

Before You Begin

- Verify that the SQL Server database is set to a full or bulk-logged recovery model and the transaction logs for the database are backed up.

- If you want to restore to a time just before the point of failure, verify that the tail of the log is backed up.

Procedure

1. In the CommCell Browser, click **Client Computers** > *client* > **SQL Server** > **instance**.

2. Right-click a subclient for which you want to restore the NewDB databases, and then click **Backup History**.

3. Click **OK** in the **Backup History Filter** dialog box appears.

4. Select a transaction log backup job that completed after 3:29:00. Let us select transaction log backup job that completed at 3:36:10 PM.

Ensure that you select a transaction log backup job that completed after the time we need to restore, else the restore job will fail because the time range we want is not included in the selected subclient.

5. Right-click the selected transaction log backup job, and click **Browse and Restore**.

6. Select the NewDB database, and click **Recover All Selected**.

   The **SQL Restore Options** dialog box is displayed.

7. On the **General** tab, select the **Point-in-time** check box.

8. In the **Restore Time** list, select the date as August 10, 2015 and time as 3:29:00 PM.

   The transaction log backed up after 3:29:00 PM will be restored and applied to the database.

9. Click **OK**.

Visit the Commvault Documentation web site for complete documentation of Commvault products.

COMMVAULT®

PROTECT. ACCESS. COMPLY. SHARE.
COMMVAULT.COM | 888.746.3849 | GET-INFO@COMMVAULT.COM