Red Gate for RRDB - 2010

November 2010

PointClickCare[®] Red Gate for Data Relay

Document Version:

1.0

Document Last Updated:

Rebranded – Jan 2015



ntroduction	.3
Using Red Gate SQL Backup Pro for Data Relay	.4
Steps to restore FULL backup files	. 4
Steps to restore LOG backup files	.9

Introduction

PointClickCare (PCC) provides copies of the Replicated Reporting Database (Data Relay) using a combination of full backup files and hourly log-shipped files. A full backup is provided upon initial implementation of the Data Relay. The log-shipped files, which are "change-only" files, are copied every hour on the hour to the customer's FTP folder hosted by PCC. The full backup file is to be downloaded by the customer upon initial implementation of the Data Relay. Then, the log-shipped files are to be downloaded by the customer and applied to their local copy of the Data Relay. This can be done as often as needed by the customer, but regardless of the customer's chosen download frequency, PCC copies the log-shipped files to the customer's FTP folder every hour on the hour.

The full backup file and the hourly log-shipped files are compressed with password protection using Red Gate SQL Backup Pro software. Therefore, the customer must use Red Gate SQL Backup Pro v6.0 or higher to decompress and restore/apply full backups and log-shipped files.

Instructions for using Red Gate SQL Backup Pro for this purpose is documented below.

Using Red Gate SQL Backup Pro for Data Relay

Steps to restore FULL backup files

<u>Step 1:</u>

Download the SQB backup files from the FTP using a familiar FTP client.

Open Red Gate SQL Backup Pro v6.0 or higher.

Go to File->Add SQL Server...



Step 2: Type the name of the SQL Server that you are restoring the database on, then select the authentication type (either Windows authentication or SQL Server authentication), then click Connect.

SOL Serveri	
2QL 2014011	
	Windows authentication
	C SQL Server authentication
User name:	POINTCLICKCARE\soldaf
Password:	
	Remember password
	and restore history to import: 1 month
5erver components –	and restore history to import: 1 month
Server components -	and restore history to import: 1 month
Server components – Install or Install or Server backup each S	and restore instory to import: 1 month

Step 3: Right-click on the newly added server on the left side of the screen, and select Restore...

🔟 SQL Backu	p
<u>Eile E</u> dit y	liew <u>A</u> ctions <u>T</u> ools <u>H</u> elp
Back Up	. 📑 Restore 📑 Schedule Backup Jobs 🧊 Log Shipping 🥝
P (GMT-05:0	00) Eastern Time (US & Canada)
Sat , Nov 1	3, 2010 9 04:00 05:00 06:00 07:00
🗆 👂 (GMT	-05:00) Eastern Time (US & C
🕀 🥃 🗰	<u>ј</u> васк Up
	🔞 Restore
	Schedule Backup Jobs
	Jog Shipping
	Object Level Recovery
	<u>E</u> dit
	Delete
	Refresh Connection

4: Select 'Browse for backup files to restore' option.

p 1 of 4:	Select backup	os to restore.				
Select from	backup bistory	× •				
Select from	backup history					
Browse for l	backup files to	o restore				
QL Server:	WSISVE	R-BKP(DEV		<u> </u>		
Database:	1			-		
	Restore	Available Restore Points	Туре		0	
		80	22	15		

5: Click on Add Files..., and then select the backup files you are restoring. For FULL backup restore, select the FULL backup file(s).

ver:	<u> </u>	Add Ser	ver	nove Serve
💡 WSISVR-BKP (local)	Name	Size	Туре	Date M
🕀 🥪 Local Disk (C:)	DIFF_us_template_pccmulti_20101117	448 KB	SQL Backup file	11/17/2.
🖃 🥪 data (F:)	FULL_us_template_pccmulti_20101114	14 MB	SQL Backup file	11/17/2.
🖃 🫅 backups	s_template_pccmulti_LOG_20101117	5 KB	SQL Backup file	11/17/2.
🕀 🧰 FileZilla	a us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2.
H PCCV514	a us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2.
Restore_Demo	al us_template_pccmulti_LOG_20101117	З КВ	SQL Backup file	11/17/2.
In the second seco	a us_template_pccmulti_LOG_20101117	З КВ	SQL Backup file	11/17/2.
	us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2.
	a us_template_pccmulti_LOG_20101117	З КВ	SQL Backup file	11/17/2.
Generation	a us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
T T	a us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2.
🖅 🚾 datafiles on 'wsisvr dc' (H:)	al us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2.
 ★ invoices on 'wsisvr_dc' (M:) ★ PCCSource on 'pcc_dev' (P:) ★ Development on 'pcc_dev' (Q:) ★ salesDocs on 'wsisvr_dc' (S:) ★ support on 'wsisvr_dc' (X:) 	us_template_pccmulti_LOG_20101117	3 КВ	SQL Backup file	11/17/2.
ile name: FULL us template pccmulti File type: *.sqb	20101114.5QB			

6: Type the Decryption password and click Decrypt, then click Next.

rowse fo	or backup files to restore	-			
ackups o				Add Siles	
ξr <u>⊃</u> erve	r: 🔄 WSISVR-BKP(DEV		_	Add Files	Kemove Kemove Ai
2 2 61	les need to be decrypted to	o continue.			
9		a contestes to			
) OK	Date	∇ Type	∇ File Name	First LSN	Last LSN
	Unknown	Unknown	F:\backups\Restolti_20101114.SQB	Unknown	Unknown
	Unknown	Unknown	F:\backups\Restolti_20101117.SQB	Unknown	Unknown

7: Then select 'Create new database' option and type the desired database name. Also, select the restore location for the physical database files in the Restore As section, by clicking on the '...' buttons. When ready, click Next.

estination database		
SQL Server: WSISVR-BKP\DEV		
Overwrite existing database		
Database:		
Kill any existing connections to the data	base V A	
<u>C</u> reate new database		
Database: RRDB_pcc_restore_test		
legroups and files		
lame	Restore As	
PRIMARY	C:\Program Files\Microsoft SQL Server\MSSQL.3\MSSQL\Data	
L us_template_pccmulti_data	RRDB_pcc_restore_test_data.MDF	and the second
	C:\Program Files\Microsoft SQL Server\MSSQL.3\MSSQL\Data	Ī
(Transaction Logs)		1
J (Transaction Logs) └ us_template_pccmulti_log	RRDB_pcc_restore_test_log.LDF	
g (Transaction Logs) Lus_template_pccmulti_log	RRDB_pcc_restore_test_log.LDF	
y (Transaction Logs) Lus_template_pccmulti_log	RRDB_pcc_restore_test_log.LDF	-
g.(Transaction Logs) └─us_template_pccmulti_log	RRDB_pcc_restore_test_log.LDF	-
g.(Transaction Logs)	RRDB_pcc_restare_test_log.LDF	
g-(Transaction Logs)	RRDB_pcc_restore_test_log.LDF	-

8: Select whether to restore with NORECOVERY or with STANDBY. The NORECOVERY option will make the database inaccessible. The STANDBY option will allow read access. **IMPORTANT** – Make sure you choose "Read only (RESTORE WITH STANDBY)" option.

ecovery completion state				
Operational (RESTORE WITH RECOVERY)				
Non-operational (RESTORE WITH NORECOVERY	Π			
Read only (RESTORE WITH STANDBY)				
Undo file: F:\backups\Undo_pccpoc_test.da				
ransaction log		 		
Restore transaction log to point in time				
Transaction log:	- 0	 		_] +
		12:00:00 AM	÷	
n completion		 		
n completion	R			
n completion Check for orphaned users and list in log file	A			
n completion Check for orphaned users and list in log file Gend email notification Recipient email address:	A			
n completion Check for orphaned users and list in log file Check for orphaned users and list in log file Check for only Send email address: Send on: Error only	A.	 		
n completion	Å	 		
n completion Check for orphaned users and list in log file @ Send email notification @ A Recipient email address: Send on: Error only	A.	 		
n completion Check for orphaned users and list in log file () Send email notification () Recipient email address: Sgnd on: Error only	A Y	 		

9: The final screen provides the summary of the restore operation. There is also an option to restore using a script which is under the Script tab, and is generated by SQLBackup based on the information you provided in previous screens. Once ready, click Finish, and wait for the restore to complete.

tep 4 of 4: Review restore	summary.
Script	
Destination database	
SOL Server	WSISVR-BKP\DEV
DAF DOLADI	
Database	RRDB_pcc_restore_test
Database New database	RRDB_pcc_restore_test Yes

Steps to restore LOG backup files

<u>Step 1:</u>

Right-click on the appropriate server on the left side of the screen, and select Restore...



<u>Step 2:</u> Select 'Browse for backup files to restore' option.



3: Click on Add Files..., and then select the backup files you are restoring. For LOG backup restore, select the LOG backup files (could select multiple files at a time).

r; 3 WOISVR-DKP (IOCal)			ver	nove serve
🚽 WSISVR-BKP (local)	Name	Size	Туре	Date M.
🕀 🧇 Local Disk (C:)	DIFF_us_template_pccmulti_20101117	448 KB	SQL Backup file	11/17/2
🖃 🥯 data (F:)	FULL_us_template_pccmulti_20101114	14 MB	SQL Backup file	11/17/2
E backups	a us_template_pccmulti_LOG_20101117	5 KB	SQL Backup file	11/17/2
	a us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
	a us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
E Constant	a us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
H Cases	is_template_pccmulti_LOG_20101117	З КВ	SQL Backup file	11/17/2
	is_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
E C RECYCLER	is_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
F C System Volume Information	is_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
🕀 🦰 transfer	is_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
🗄 🔀 datafiles on 'wsisvr_dc' (H:)	is_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
 Minvoices on 'wsisvr_dc' (M:) PCCSource on 'pcc_dev' (P:) Development on 'pcc_dev' (Q:) SalesDocs on 'wsisvr_dc' (S:) wesdocs on 'pcc_dev' (W:) Support on 'wsisvr_dc' (X:) 	us_template_pccmulti_LOG_20101117	3 KB	SQL Backup file	11/17/2
e name: FULL us template pccmulti 20	D101114.5QB			

Step 4:

Type the Decryption password and click Decrypt, then click Next.

owse f	or backup files to restore	-				
chunc t	ro rectore					
L Serve	er: 📓 WSISVR-BKP\DEV	1	-	Add Files	Remove	Remove Al
17	100					
) 2 fi	les need to be decrypted t	o continue.				
lor	Date		V File Name	First LSN	Last IS	N
	Unknown	Unknown	F:\backups\Restolti_20101114.SQB	Unknown	Unknow	/n
	Unknown	Unknown	F:\backups\Restolti_20101117.5QB	Unknown	Unknow	'n

5: Select the destination database... Select 'Overwrite existing database' option and select the Data Relay database.

Restore Wizard					Þ
Step 2 of 4: Select the destination database.					
Destination database					
SQL Server: WSISVR-BKP\DEV					
Overwrite existing database					
Database: 📑 RRDB_pcc_restore_test (Standby	/ Read-Only)		-		
\square Kill any existing connections to the	database 🔞 🤱				
C Create new database					
Database		 			
Darabase.					
		< Back	Next >	Finish	Cancel

6: Select whether to restore with NORECOVERY or with STANDBY. The NORECOVERY option will make the database inaccessible. The STANDBY option will allow read access. **IMPORTANT** – Make sure you choose "Read only (RESTORE WITH STANDBY)" option.

🔞 Restore Wizard	×
Step 3 of 4: Destination database restore options.	
Recovery completion state	
Restore transaction log to point in time Transaction log: November 17.4:30 AM 4:00:13 Af On completion	M 4:30:14 AM * 4:30:14 AM
Check for orphaned users and list in log file 💿 🤱	
Send email notification Image: Comparison of the second secon	
	< Back Next > Einish Cancel

7:The final screen provides the summary of the restore operation. There is also an option to restore using a script which is under the Script tab, and is generated by SQLBackup based on the information you provided in previous screens. Once ready, click Finish, and wait for the restore to complete.

tep 4 of 4: Review restore	: summary,
Summary Script	
Descination database	
SQL Server	WSISVR-BKP\DEV
SQL Server Database	WSISVR-BKP\DEV RRDB_pcc_restore_test
SQL Server Database New database	WSISVR-BKP\DEV RRDB_pcc_restore_test Yes