Tech Note 990 Ensuring a Successful InBatch Upgrade

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Topic#: 002818 Created: October 2013

Introduction

There is an issue upgrading the InBatch **Config_A** file to the current version. The issue occurs when the **cvtmaster** conversion utility is run multiple times.

Application Versions

This Tech Note applies to the following InBatch versions:

- IB 9.0
- IB 90 SP1 and SP2
- IB 9.5
- IB 2012 (IB 9.6)
- IB 2012R2 (10.0)

Issue

When you are upgrading your InBatch application to a newer version, you might need to run the conversion utility more than once. However, the current InBatch product will only let you run the conversion 1 time from the folder location and same folder.

This Tech Note shows you how to get around this problem so you can upgrade to your most current configuration.

Solution

1. When you first run the cvtmaster to upgrade and use the default setting (Figure 1 below) everything is upgraded correctly.

👺 Batch Database Co	onversion Utility	X
Configuration	C:\Program Files\Wonderware\InBatch\cfg\Config_A	
Default Report O	itput Path on InfoServer:	
Status: Ready		
	Convert	

FIGURE 1: DEFAULT BATCH CONVERSION SETTING

2. To verify the conversion worked correctly you need to go the **Config_A** folder that you converted and review the **DBcvt.txt** log file that was created by the migration operation. This file reports any issues with conversion.

Windows Mail	CfgTIMDB.key	5/21/12 1:03 AM	KEY File	2 KB
Windows NT	DBCvt.txt	10/28/13 10:29 AM	Text Document	3 KB
Wonderware	EnvDB.dat	4/14/13 1:22 PM	DAT File	51 KB
ArchestrA	EnvDB.dbd	5/21/12 1:03 AM	DBD File	1 KB
DAServer	EnvDB.key	5/21/12 1:03 AM	KEY File	2 KB
	LinkDB.dat	4/14/13 12:49 PM	DAT File	686 KB
🕌 Historian	LinkDB.dbd	4/14/13 12:49 PM	DBD File	2 KB
listorianClient	LinkDB.key	4/14/13 12:49 PM	KEY File	106 KB
👃 InBatch	LoggerDB.dat	5/21/12 1:03 AM	DAT File	1 KB
BatchHistoryServer	LoggerDB.dbd	5/21/12 1:03 AM	DBD File	1 KB
📕 Bin	LoggerDB.key	5/21/12 1:03 AM	KEY File	2 KB
📗 cfg	MaterialDB.dat	7/25/13 10:51 AM	DAT File	1,177 KB
Donfig_A	MaterialDB.dbd	5/21/12 1:03 AM	DBD File	1 KB
Config_A corrupt recipe	MaterialDB.key	7/25/13 10:51 AM	KEY File	374 KB



Here is the log file contents where the conversion was run and was successful:

```
131024.153705 EnvDBCvt100 DBCvt.c 168 ( 0)
***** 8.1-->10.0 CONVERSION INITIATED *****
131024.153705 EnvDBCvt100 DBCvt.c 182 ( 0)
8.1 path: (.\OldDB95\), 10.0 path: (.)
131024.153705 EnvDBCvt100 EnvDBCvt100.c 56 ( 0)
***** Running EnvDBCvt100 *****
131024.153705 EnvDBCvt100 EnvDBCvt100.c 119 ( 0)
Entered EnvConvert
131024.153705 EnvDBCvt100 EnvDBCvt100.c 128 ( 0)
completed IBMX assignement to Applications struct
```

file:///C|/inetpub/wwwroot/t002818/t002818.htm[10/28/2013 10:35:27 AM]

131024.153705 EnvDBCvt100 EnvDBCvt100.c 138 (0) IBMX already found skipping Migration 131024.153705 EnvDBCvt100 EnvDBCvt100.c 252 (0) Entered AddRecipeCompare 131024.153705 EnvDBCvt100 EnvDBCvt100.c 262 (0) completed RecipeCompare assignement to Applications struct 131024.153705 EnvDBCvt100 EnvDBCvt100.c 278 (0) Sucessfully added RecipeCompare application to Applications table 131024.153705 EnvDBCvt100 EnvDBCvt100.c 210 (0) Entered AddRecipeCompareRuntimeOption 131024.153705 EnvDBCvt100 EnvDBCvt100.c 218 (0) completed RecipeCompare assignement to Runtime struct 131024.153705 EnvDBCvt100 EnvDBCvt100.c 236 (0) Sucessfully added RecipeCompare application to Runtime table 131024.153705 EnvDBCvt100 EnvDBCvt100.c 281 (0) Sucessfully migrated 131024.153705 EnvDBCvt100 EnvDBCvt100.c 299 (0) Migrating BatchManager options 131024.153705 EnvDBCvt100 EnvDBCvt100.c 333 (0) Adding Disconnect Clients parameter 131024.153705 EnvDBCvt100 EnvDBCvt100.c 337 (0) Added Disconnect Clients parameter sucessfully 131024.153705 EnvDBCvt100 EnvDBCvt100.c 333 (0) Adding Batch Stats parameter 131024.153705 EnvDBCvt100 EnvDBCvt100.c 337 (0) Added Batch Stats parameter sucessfully 131024.153705 EnvDBCvt100 EnvDBCvt100.c 344 (0) Assigning Disconnect Clients parameter to Runtime application 131024.153705 EnvDBCvt100 EnvDBCvt100.c 349 (0) Deleting Batch Stats parameter from Runtime application if found 131024.153705 EnvDBCvt100 EnvDBCvt100.c 471 (0) Remove TIM related Functions 131024.153705 EnvDBCvt100 EnvDBCvt100.c 508 (0) Sucessfully migrated 131024.153706 EnvDBCvt100 DBCvt.c 238 (0) ***** CONVERSION COMPLETED: ok *****

When you run the **cvtmaster** utility again on the same **config_A** folder in the same location, you will not get a new **DBcvt.txt** log file. This is because the migration fails, but it looks like it succeeded. The migration runs in a few seconds.

	OldDB90	10/28/13 10:29 AM	File Folder		
Microsoft.NET	BatchDB.dat	8/7/13 8:12 AM	DAT File	7 KB	
Microsoft Analysis Services	BatchDB.dbd	5/21/12 1:03 AM	DBD File	1 KB	
Microsoft Office	BatchDB.key	8/7/13 8:12 AM	KEY File	15 KB	
Microsoft SDKs	CfgLinkDB.dat	4/14/13 12:49 PM	DAT File	686 KB	
line Microsoft SQL Server			DATTIE	000 ND	
Microsoft SQL Server Compact Edition	🚏 Batch Database Con	version Utility			×
Microsoft Synchronization Services					
Microsoft Visual Studio 9.0	Configuration	:\Program Files\Wond	erware\InBatch\c	fa\Confia_A	-
MSBuild		. a togram nes avoid	crivale inductive	ig (coning_A	
MSXML 4.0	Defeult Beport Outp	ut Path on InfoServer:			
📙 Reference Assemblies					-
Uninstall Information					
VMware	Status: Ready				
📙 Windows Kits					
📙 Windows Mail		Conv	ert		
📙 Windows NT					
Wonderware	ENVDB.aba	5/21/12 1:03 AM	UBU FIIE	IND	
ArchestrA	EnvDB.key	5/21/12 1:03 AM	KEY File	2 KB	
DAServer	LinkDB.dat	4/14/13 12:49 PM	DAT File	686 KB	
Historian	LinkDB.dbd	4/14/13 12:49 PM	DBD File	2 KB	
HistorianClient	LinkDB.key	4/14/13 12:49 PM	KEY File	106 KB	
InBatch	LoggerDB.dat	5/21/12 1:03 AM	DAT File	1 KB	
BatchHistoryServer	LoggerDB.dbd	5/21/12 1:03 AM	DBD File	1 KB	
Bin	LoggerDB.key	5/21/12 1:03 AM	KEY File	2 KB	
	MaterialDB.dat	7/25/13 10:51 AM	DAT File	1,177 KB	
cfg	MaterialDB.dbd	5/21/12 1:03 AM	DBD File	1 KB	
Config_A	MaterialDB.key	7/25/13 10:51 AM	KEY File	374 KB	
Config_A corrupt recipe	ModelDB.dat	4/14/13 12:48 PM	DAT File	1,170 KB	

FIGURE 3: RERUN THE CONVERSION ON CONFIG_A

There is no DBcvt.txt in the confih_A when the cvtmaster was run a scecond time.

Resolution

1. Create a new folder on the drive. In this example the new folder is called **IB_CFG** and it's located on the C drive.

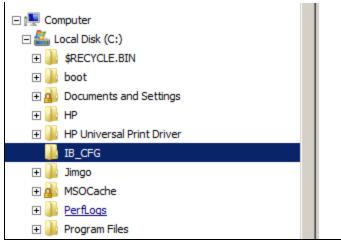


FIGURE 4: NEW FILE FOR CONVERSION

- 2. Copy in the contents of the **config_A** file that needs to be migrated again into the new folder.
- 3. Start the cvtmaster.exe and point it at the new folder (IB_CFG) and run the conversion.

Ensuring a Successful InBatch Upgrade

te Links		Nar	me 🔺	Date modified		▼ Size ▼
re »			.batchwr	10/28/13 10:51 AM		
e "			BatchDB.dat	8/7/13 8:12 AM	DAT File	7 KB
			BatchDB.dbd	5/21/12 1:03 AM	DBD File	1 KB
5	×.		BatchDB.key	8/7/13 8:12 AM	KEY File	15 KB
Desktop	<u> </u>		CfgLinkDB.dat	4/14/13 12:49 PM	DAT File	686 KB
Administrator			CfgLinkDB.dbd	5/21/12 1:03 AM	DBD File	2 KB
Public			CfgLinkDB.key	4/14/13 12:48 PM	KEY File	106 KB
Computer			CfgModelDB.dat	4/14/13 12:48 PM	DAT File DBD File	1,170 KB
🚽 Floppy Disk Drive (A:)			CfgModelDB.dbd CfgModelDB.key	5/21/12 1:03 AM 4/14/13 12:48 PM	KEY File	5 KB
🌇 Local Disk (C:)			CfgModelDB80.dat	5/21/12 1:03 AM	DAT File	2,900 KB 2 KB
🏭 \$Recycle.Bin			-		DAT FILE	2 ND
🚹 A		臀	Batch Database C	onversion Utility		
Boot						
Config.Msi			Configuration	C:MB_CFG		
Documents and Settings			Configuration	[c. wb_cr u		
Dumps			Defeult Report O	uter di Bethe en Infe@enren		
Historian			Derault Report U	utput Path on InfoServer:		
B_CFG						
inetpub			Chabury Danadu			
jimgo			Status: Ready			
PerfLogs				Conv	uart	
Program Files					en	
Adobe			coggeros.aba	5/21/12 1:03 AM	חד עפע	IN
Application Verifier			LoggerDB.key	5/21/12 1:03 AM	KEY File	2 KE
ArchestrA			MaterialDB.dat	7/25/13 10:51 AM	DAT File	1, 177 Ki
Common Files			MaterialDB.dbd	5/21/12 1:03 AM	DBD File	1 KI
Internet Explorer			MaterialDB.key	7/25/13 10:51 AM	KEY File	374 KE
			ModelDB.dat	4/14/13 12:48 PM	DAT File	1,170 Ki
Microsoft.NET			ModelDB.dbd	4/14/13 12:49 PM	DBD File	5 KE
Microsoft Analysis Services			ModelDB.key	4/14/13 12:49 PM	KEY File	2,900 Ki
Microsoft Office			ModelDB80.dat	5/21/12 1:03 AM	DAT File	2 KI
Microsoft SDKs			ModelDB80.dbd	5/21/12 1:03 AM	DBD File	5 KI
Microsoft SQL Server			ModelDB80.key	5/21/12 1:03 AM	KEY File	2 KI
Microsoft SQL Server Compact Edition			RecipeDB.dat	8/7/13 7:32 AM	DAT File	45,661 Ki
Microsoft Synchronization Services			RecipeDB.dbd	5/21/12 1:03 AM	DBD File	5 KI
퉬 Microsoft Visual Studio 9.0			RecipeDB.key	7/31/13 6:39 AM	KEY File	9 KI
📔 MSBuild			RecipeDB70.dat	5/21/12 1:03 AM	DAT File	1 K
MSXML 4.0			RecipeDB70.dbd	5/21/12 1:03 AM	DBD File	4 Ki
Reference Assemblies			RecipeDB70.key	5/21/12 1:03 AM	KEY File	2 KE
Uninstall Information			RecipeDB71.dat	5/21/12 1:03 AM	DAT File	2 KE
	-		RecipeDB71.dbd	5/21/12 1:03 AM	DBD File	5 KB

×

FIGURE 5: RUN CONVERSION UTILITY AGAINST COPIED FILES

You will see that the DBcvt.txt file was created in the new folder.

Favorite Links	Name 🔺	▼ Date modified ▼	Туре	▼ Size ▼
	.batchwr	10/28/13 10:51 AM	File Folder	
More »	IdDB42	10/28/13 10:53 AM	File Folder	
	Idddb 70	10/28/13 10:53 AM	File Folder	
Folders 🗸	IddDB71	10/28/13 10:53 AM	File Folder	
Nesktop	Idddb80	10/28/13 10:53 AM	File Folder	
Administrator	OldDB81	10/28/13 10:53 AM	File Folder	
Dublic	OldDB90	10/28/13 10:53 AM	File Folder	
Somputer	BatchDB.dat	8/7/13 8:12 AM	DAT File	7 KB
Floppy Disk Drive (A:)	BatchDB.dbd	5/21/12 1:03 AM	DBD File	1 KB
Local Disk (C:)	BatchDB.key	8/7/13 8:12 AM	KEY File	15 KB
	CfgLinkDB.dat	4/14/13 12:49 PM	DAT File	686 KB
🎍 \$Recyde.Bin	CfgLinkDB.dbd	5/21/12 1:03 AM	DBD File	2 KB
📕 A	CfgLinkDB.key	4/14/13 12:48 PM	KEY File	106 KB
🎍 Boot	CfgModelDB.dat	4/14/13 12:48 PM	DAT File	1,170 KB
🎳 Config.Msi	CfgModelDB.dbd	5/21/12 1:03 AM	DBD File	5 KB
Documents and Settings	CfgModelDB.key	4/14/13 12:48 PM	KEY File	2,900 KB
Dumps 📃	CfgModelDB80.dat	5/21/12 1:03 AM	DAT File	2 KB
🚹 Historian	CfgModelDB80.dbd	5/21/12 1:03 AM	DBD File	5 KB
B_CFG	CfgModelDB80.key	5/21/12 1:03 AM	KEY File	2 KB
inetpub	CfgTIMDB.dat	5/21/12 1:03 AM	DAT File	1 KB
jimgo	CfgTIMDB.dbd	5/21/12 1:03 AM	DBD File	1 KB
PerfLogs	CfgTIMDB.key	5/21/12 1:03 AM	KEY File	2 KB
Program Files	DBCvt.txt	10/28/13 10:53 AM	Text Document	3 KB
Adobe	EnvDB.dat	4/14/13 1:22 PM	DAT File	51 KB
Application Verifier	EnvDB.dbd	5/21/12 1:03 AM	DBD File	1 KB

FIGURE 6: DBCVT.TXT IS PRESENT AFTER CONVERSION

4. Open the **DBcvt.txt** and you will see the conversion ran with no errors.

```
131028.105321 EnvDBCvt90 DBCvt.c 168 ( 0)
***** 8.1-->9.5 CONVERSION INITIATED *****
131028.105321 EnvDBCvt90 DBCvt.c 182 ( 0)
8.1 path: (.\OldDB81\), 9.5 path: (.)
131028.105321 EnvDBCvt90 EnvDBCvt90.c 54 ( 0)
***** Running EnvDBCvt90 envDBCvt90.c 115 ( 0)
Entered EnvConvert
131028.105321 EnvDBCvt90 EnvDBCvt90.c 124 ( 0)
completed IBMX assignement to Applications struct
131028.105321 EnvDBCvt90 EnvDBCvt90.c 134 ( 0)
IBMX already found skipping Migration
131028.105321 EnvDBCvt90 EnvDBCvt90.c 210 ( 0)
Migrating BatchManager options
```

file:///C|/inetpub/wwwroot/t002818/t002818.htm[10/28/2013 10:35:27 AM]

131028.105321 EnvDBCvt90 EnvDBCvt90.c 244 (0) Adding Disconnect Clients parameter 131028.105321 EnvDBCvt90 EnvDBCvt90.c 248 (0) Added Disconnect Clients parameter sucessfully 131028.105321 EnvDBCvt90 EnvDBCvt90.c 244 (0) Adding Batch Stats parameter 131028.105321 EnvDBCvt90 EnvDBCvt90.c 248 (0) Added Batch Stats parameter sucessfully 131028.105321 EnvDBCvt90 EnvDBCvt90.c 255 (0) Assigning Disconnect Clients parameter to Runtime application 131028.105321 EnvDBCvt90 EnvDBCvt90.c 260 (0) Deleting Batch Stats parameter from Runtime application if found 131028.105321 EnvDBCvt90 EnvDBCvt90.c 382 (0) Remove TIM related Functions 131028.105321 EnvDBCvt90 EnvDBCvt90.c 419 (0) Sucessfully migrated 131028.105322 EnvDBCvt90 DBCvt.c 238 (0) ***** CONVERSION COMPLETED: ok ***** 131028.105322 CfgLinkDBCvt90 DBCvt.c 168 (0) ***** 8.1-->9.5 CONVERSION INITIATED ***** 131028.105322 CfgLinkDBCvt90 DBCvt.c 182 (0) 8.1 path: (.\OldDB81\), 9.5 path: (.) 131028.105322 CfgLinkDBCvt90 CfgLinkDBCvt90.c 53 (0) ***** Running CfgLinkDBCvt ***** 131028.105323 CfgLinkDBCvt90 CfgLinkDBCvt90.c 119 (0) Galaxy record found skipping migration 131028.105324 CfgLinkDBCvt90 DBCvt.c 238 (0) ***** CONVERSION COMPLETED: ok *****

5. After the conversion is complete and successful, copy/paste the files from the conversion directory into the working **Config_A** at **Program Files\Wonderware\InBatch\CFG\Config_A**.

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Back to top

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