# 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.

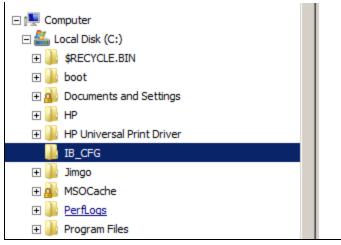


FIGURE 4: NEW FILE FOR CONVERSION

- 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**.

J. Godfrey

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## Back to top

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