

Updating to Release 1.5

EDM for Exchequer Release 1.5 OCR for Exchequer Release 1.5

Date Updated: 09/05/2017

Contents

Contents
Introduction
Background3
Compatibility
Updating the EDM Table Structure
Updating the EDM SQL Database tables
OCR – Create a DbCapture Export service user
Run the Exchequer Integration setup program7
Update the system
Update the database connectivity, paths and assign the service user8
Company Configuration Manager9
Add new Drilldown dll
Re-Configure DbScanner global settings12
EDM
OCR
Final testing and housekeeping
Testing
EDM
OCR
Housekeeping
Appendix

Introduction

Background

This document provides step by step instructions on updating to R1.5 from previous versions of the integration.

It should only be attempted by experienced V1 engineers with knowledge of both the V1 product set and preferably Exchequer and its processes.

V1 take no responsibility for accidental loss of data if an update is attempted without consultation.

Compatibility

- Exchequer 2016 R2 onwards, SQL ONLY
 - You cannot update to R1.5 unless you are on Exchequer 2016 R2 and the SQL version
- V1 3.6 or DM4.X
 - You cannot up date to R1.5 unless you are on V1 core software versions 3.6 or above

Consult the Platform Requirements document *prior* to doing any update as failure to meet any requirements can lead to lengthy and costly delays to the project.

Assumptions:

 The Exchequer R1.5 distribution has been downloaded from the portal and uncompressed on to the Exchequer / V1 application server.
 For our example update procedure, we will assume this is C:\temp\Exchequer1.5, change the paths as appropriate.

Mandatory Pre-Requisites:

- ALL users of the V1 clients must be logged out whilst the update is being performed.
- No Exchequer users must attempt to archive a document using the V1 Archive Printer whilst the update is being performed.
- Accessibility to the SQL Management Studio as an administrative user (preferably sa)

Updating the EDM Table Structure

One of the many benefits of R1.5 is it removes the 15 company maximum limitation.

It does this by instead of having *tables* per company, the tables in R1.5 have a *field* for the company and presents those available to the user as a drop down list.

The accessibility to companies are controlled by the new security mechanism (discussed later in this document) by way of the new setup program and the Company Configuration Manager.

- 1. Load the DbLogin Admin Console as an administrative user
- 2. Click the **DbArchive Table Editor** button
- 3. Click the Import from XML button 📂
- 4. Browse to the C:\temp\Exchequer1.5\DbArchive directory and select the tables.xml file, click Open



Note: This may take a few moments, there will be a period of inactivity which is normal, allow it to finish

- 5. When completed, close the **DbArchive Table Editor**
- 6. Close the DbLogin Admin Console

Updating the EDM SQL Database tables

Now that the new tables have been created, the legacy data must be migrated to the new table structure.

This is done by running simple stored procedures for each DbArchive table all of which have been provided for all standard tables.



Depending on if licensed for, only certain versions of EDM contained the field **DocGUID** in each DbArchive table which was required for the auditing process.

Before beginning the migration, check one of the existing DbArchive tables. If it does *not* contains a DocGUID field, for each of the stored procedures remove the **,DocGUID** references from each Insert statement prior to executing it as per step 4 or you will get an error stating the field does not exist.

- 1. Log in to the SQL Management Studio, preferably as sa, logging in to the Instance where EDM has been installed
- 2. Left click on the DbArchive SQL database, right click on it and select New Query
- 3. Using File Explorer, browse to the C:\temp\Exchequer1.5\Installation\Update directory
- 4. Drag and drop each *.sql file in turn into the New Query Window and click Execute (you are advised to use a New Query for each *.sql file)



Note: This may take a few moments depending on how much data has been archived, there will be a period of inactivity which is normal, allow it to finish

What has just happened?

All companies in the Exchequer database are read and where data for them is present in the legacy EDM database populate the equivalent data in the new table structure.

Some integrations rely on the BLOBID to dictate the location of images and therefore the drilldown to it, but as Exchequer does not, even if these are reset during the update, the drilldown functionality will be un-affected and still work as before.

OCR – Create a DbCapture Export service user

This chapter only affects customers using DbCapture / Exchequer OCR so if this module has not been purchased, continue to the next chapter. In addition, if the Exchequer / V1 server is Windows 2008 R2 it is also not necessary to perform the following actions, so again, continue to the next chapter.

Q: How do I know if I've got DbCapture / OCR?

A: Open services.msc on the Exchequer / V1 server. If you have this collection of services, it is a licensed component:

- DbCapComms Admin Client:31451
- DbCapComms Interactive Client:31450
- DbCapComms Util Client:31452
- 🔍 DbCapture OCR Server
- 🔍 DbCapture: Capture Service

To ensure the drive mapping and associated activities of OCR for Exchequer are done without adversely affecting other areas of the system, a dedicated service user must be created.

This user will be assigned as a login to the DbCapture: Export Service and needs to be created prior to the next chapter as you will be prompted for it.

- 1. Open the Control Panel, click User Accounts
- 2. Click User Accounts again
- 3. Click manage another account
- 4. Click add a user account
- 5. Enter a user of: dbcexportservice
- 6. Give it a password, confirm it and a hint, click Next and Finish
- 7. Select the dbcexportservice user
- 8. Change the account type to Administrator
- 9. Back to Control Panel, go to System and Security and select Administrative Tools
- 10. Open Local Security Policy
- 11. Extend Local Policies > User Rights assignments
- 12. Double click on Logon as a service
- 13. Click on Add User or Group ...
- 14. In the Enter the names to select cell, type dbcexportservice and click Check Names, click OK
- 15. Click Apply
- 16. Login to the server as the dbcexportservice and assign a default printer that you know is always going to be online.

Run the Exchequer Integration setup program

Now the tables have been updated and the data migrated, the integration files have to be updated to reflect the new features present in R1.5.

Update the system

- 1. From the location of the distribution C:\temp\Exchequer1.5 directory, load the setup.exe as administrator
- 2. Select Server Configuration
- 3. Press OK
- 4. Choose the **Update your system to Release 1.5** radio button
- 5. Press Next

AGAIN PLEASE CHECK THAT NO ONE IS USING THE SYSTEM AS THIS WILL CAUSE UNRECOVERABLE ISSUES ALL V1 Clients must be closed

No Exchequer users must be archiving documents via the V1 Archive Printer Driver

- 6. Browse to the CurrentSettings.xml file (located at the route of the Core V1 distribution directory)
- 7. Confirm the method of drilldown:
 - a. To continue to use DbWebQ, select this and the most likely path will be presented, use the magnifying glass on the right to confirm. If you see the DbWebQ login screen, you're good to go. If not, correct the path until you do.
 - b. If the V1 Core software has also been updated to DM4 and SmartRetrieve is now the preferred method for drilldown, select this and the most likely path will be presented, use the magnifying glass on the right to confirm. If you see the SmartRetrieve login screen, you're good to go. If not, correct the path until you do.
- 8. Confirm the path to the Exchequer home directory using the MAPPED DRIVE, usually X:\Excheqr, this path is validated when you click OK.
- 9. Click Update

EDM

- All definition files backed up and new ones copied in and paths / ports configured
- All new files required for R1.5 copied over

OCR

- All definition files backed up and new ones copied in and paths / ports configured
- All new files required for R1.5 copied over
- New DBCP files copied in and a –queueupdate performed

10. If OCR has been detected and when the update has completed, click Next >

Update the database connectivity, paths and assign the service user

- 11. Confirm whether the Exchequer system is configured to use Job Costing by selecting Yes / No in the drop down
- 12. Click the List button
 - a. This will find the available SQL instances where the Exchequer database is installed
- 13. Pick the instance from the list where the Exchequer database is located
- 14. Confirm the username and password to authenticate the connection to the Exchequer database
- 15. Click the Test button which checks the connection details entered
- 16. Assuming the above is successful, pick the Exchequer Database from the dropdown list
- 17. Browse to the location of SQLCMD.exe
 - a. If it isn't on the same server, copy the dir where it is onto the server and browse to that
- 18. Confirm the UNC path to the Exchequer home directory, click the blue browse icon to the right to check it is correct
- 19. Confirm the username and password of the dbccaptureexport service user you created in the previous chapter.
 - a. Note These credentials cannot be validated at this point, so make sure they are entered correctly
- 20. Click Apply
 - V1_SETTINGS files for both EDM and OCR updated with the details, the following registry entry:

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\V1ExchequerInt

- It is populated with all the necessary details so the upload of documents can occur.
- All definition files backed up and new ones copied in and paths / ports configured
- All new files required for R1.5 copied over
- 21. Close the setup program.
- 22. Open services.msc
- 23. Right click and click properties of the 'DbCapture: Export Service'
- 24. Click Logon
- 25. Click This account
- 26. Click Browse
- 27. Type in: dbcexportservice, click Check Names, click OK
- 28. Confirm the password, click OK
- 29. Restart the service

Company Configuration Manager

Another new feature of R1.5, the way that companies are administrated has been overhauled to allow the simple management of users and their access to documents in a single UI. This is called the Company Configuration Manager.

Q: How does it work?

A: In a nutshell it is a way of administrating DbLogin users who are added to the DbArchive DBA_FILTER_MAP table. This will contains all the Exchequer companies all the DbLogin users are configured to use.

In our example below, APDEPT and MANAGER are configured for the ZZZZ01 company, but V1User and administrator are not.

Serv Serv				- = x
File View Help				
-Information				
This is the Compan database. Adding u	y Configuration Manage users for the Exchequer	er. It populates the E company allows the	DBA_FILTER_MAP table in t m to use the V1 client applic	he DbArchive cations.
-Exchequer Company S	Selection]
[ZZZZ01		Select	
DbLogin Users			Configured for this Company	'
administrator V1User			APDEPT MANAGER	
		>		
		>>		
< Back Re	load		Save	Close
ZZZ	ZZ01 company select	ed		

The DbLogin users are read from the C:\V1Home\DbLogin\userlist.xml.

As part of the update to R1.5, assuming all DbLogin users are added, you must run the Company Configuration Manager to ensure they are added.

Initially, it is recommended to add all users to all companies (the first option in the dropdown.)

The customer can then look after it themselves by adding / removing users they do not wish to see / have access to archive against / OCR documents against certain companies.

Again in our example, assuming V1User logged in to SmartDeposit to archive a document, the Exchequer company field would not present ZZZZ01 as a company to archive against, where if they logged in as APDEPT it would, and so on.

- 1. Open the setup.exe program
- 2. Click Server Configuration
- 3. Select the radio button for Company Configuration Manager, click Next>
- 4. Make your selections using the dropdown and arrow buttons, clicking Save commits your choices to the DbArchive DBA_FILTER_MAP table.

Add new Drilldown dll

Previous versions of the drilldown were known as a 'Customization' or COM Plug in. Using this method meant flexibility to use .NET to produce View Document and Print Barcode options.

The downside to this method was it limited usage to a single use per work-station and no support for Terminal Services, both common ways to use Exchequer.

The new drilldown uses a DLL plugin, meaning the multi-user usage on the same workstation and support for Terminal Services, though it is less sophisticated in terms of capability.

Assumptions:

- The Exchequer home directory is X:\Excheqr
- 1. Navigate to the Exchequer home directory and launch ENPLUGIN.exe
- 2. Remove any and all reference to previous EDM COM or DLL plugins.
- 3. Click the top most Install button and browse to the X:\Excheqr\V1CODE\TMDD directory and select V1ENTLNK, give it a description of EDM.
- 4. Move the EDM DLL to be the top most file, click Save.
- 5. Running the setup program in Client Configuration mode configures the configuration file.

1	Excheque	er Customisation S	etup	x
	Customis Use the list and butt Customisation DLLs DLL Plug-Ins:	sation Setup ons below to setup the C and to install/remove CO	O Customisation DLL Chair M Plug-Ins.	n, to install/remove
	File	Description		Install
	V1ENTLNK SENTDLHK	EDM Exchequer Sentimail D)LL Plug-In	<u>R</u> emove
	EXTSRCH	Exchequer Multi-BACS SQL Extended Search	S Plug-In 1 Plug-In	Move <u>U</u> p
				Move <u>D</u> own
	COM Plug-Ins:			
	File	Description	Path	<u>In</u> stall
				R <u>e</u> move
				Move U <u>p</u>
v7.0.5.010				Move D <u>o</u> wn
			Save	Close

Re-Configure DbScanner global settings

Due to the structural changes to R1.5, the DbScanner *global* Profiles will require reconfiguration to accommodate the enhancements.

Although this could be done automatically by the connector, if bespoke changes have been made they would be lost during an update.

On the following pages there are example screen shot examples / step by step examples of the configuration of each profile for both EDM and OCR. Reflect them and where there are specific settings, they will be documented below the screen shot.

Although DbScanner is a traditionally installed on just a client(s) / scan stations, you are advised to make these alterations on the server which will then be propagated to every DbScanner client using it day to day.

EDM

EDM – PTRANS (same principal for each EDM table)

a			- = ×
Profile Name	EDM - Purchase Transaction	3]
Make One-Click	toolbar		
Default Parameter	s Process Settings Dest	nation Details	
Default Scan Sour	ce	File Import Source(1)	
Scan duplexed	by default		
Scan duplex in Scan rotation	singlepagemode	●0 ○90 ○180 ○270	
Load scan propert	ies before scanning		
Look for barco	des		
Discard batch	neader sheet		
Discard docum	entheader sheet		
Document dete	ct on unknown barcode value		
🔲 One page per d	document		
Separation on	header barcode change		
			OK Cancel

EDM – PTRANS (same principal for each EDM table)

Scan Profile Details	- = X
Profile Name EDM - Purchase Transactions	
Make One-Click toolbar	
Default Parameters Process Settings Destination Details	
✓ Enter/Review tags before scanning	
Document page count checking	
Image review required	
Tag validation type Auto -	
Auto-export when valid	
Defer export	
V Automatically run lookup	
	OK <u>C</u> ancel

EDM – PTRANS (same principal for each EDM table)

file Name	EDM - Purchase Tran	isactions						
Make One-Click t	oolbar							
efault Parameters	Process Settings	Destination Details						
DbArchive O Db	Capture O Indeterm	inate O DocumentSet						
able	Purchase	Ť						
Name	Input Type	Default Value	Batch Header	Document Header	Passed for Server Lookup	Disable On View Screen	✓ Hide	Data Propagation
Exchequer Com	P DropdownCombo	SIMO01			<u></u>			
Our Ref	Text			V				
Your Ref	Text							
Alternative Ref	Text							
Archive User	Text	##USER##						
Archive Date	Date	##DATE##						
Document Total	Text							
Document Date	Date							
Account Code	Text							
Account Name	Text							
Job Code	Text							
Analysis Code	Text							
User Def 1	Text							
User Def 2	Text							
User Def 3	Text							
User Def 4	Text							
Revision Number	er Text							
OUTBOUND	Text							
DocGUID	Text						\checkmark	

• Add all the desired companies in the default value dropdown for the Exchequer Company field

OCR

OCR - NONPOP

Ξ.			- =	x
Profile Name	OCR - NONPOP Purchase Inv	roice		
Make One-Click	toolbar			
Default Parameter	Process Settings Destina	ation Details		
Default Scan Sourc	e F	ile Import Source(1)		
Scan duplexed	by default			
🔲 Scan duplex in	single page mode			
Scan rotation	۲	0 0 90 0 180 0 270		
Load scan properti	es before scanning			
Look for barcoo	es			
Discard batch h	eader sheet			
Discard docum	ent header sheet			
Document deter	t on unknown barcode value			
🔲 One page per d	ocument			
Separation on F	eader barcode change			
			OK <u>C</u> ancel	

OCR - NONPOP

Ξ		- = ×
Profile Name	OCR - NONPOP Purchase Invoice]
Make One-Click	toolbar	
Default Parameter	Process Settings Destination Details	
 Enter/Review ta Document page Image review re 	igs before scanning e count checking equired	
	None ▼	
Defer export		
Automatically re	in lookup	
		OK <u>C</u> ancel

OCR - NONPOP

Ξ.							- = ×
Profile Name OCR	- NONPOP Purchase Invoice	•					
Make One-Click toolba	ır						
Default Parameters Dr	ocess Settings Destination	Details					
	occas scangs Desimator						
O DbArchive DbCapt	ure () Indeterminate () Doc	umentSet					
Profile Exc	chequer NONPOP Invoices	-					
Name	Input Type	Default Value	Batch Header	Document Header	Disable On View Screen	Hide	Data Propagation
Exchequer Company	DropdownCombo	SIMO01					
Search Type	Text					\checkmark	
Query Database	Text					\checkmark	
Supplier Code	Text					\checkmark	
Supplier Name	Text					\checkmark	
Supplier Email	Text					\checkmark	
Supplier Invoice Refe	erence Text					\checkmark	
Supplier Invoice Date	e Date					1	
Alternative Reference	e Text					V	
Document Type	DropdownCombo	INVOICE					
Document Currency	Text					V	
Net Value	Text					\checkmark	
V.A.T.	Text					V	
Gross	Text					V	
Discount	Text					V	
Additional Charges	Text						
Document Status	Text					V	
Override Location	Text Deardown Combo	NO					
	Taxt	##USER##					
ARCH_DATE	Text	##DATE##				V	
Annotation Comment	ts Text						
Liser Def 1	Text						
User Def 2	Text						
User Def 3	Text						
User Def 4	Text						
DocGUID	Text					V	
Imported from Email	Text						
						<u>O</u> K	Cancel

- Add all the desired companies in the default value dropdown for the Exchequer Company field
- Add NO and YES to the Coding Required dropdown defaulting to NO

OCK - POP	OCR	_	POP
-----------	-----	---	-----

							-	
rofile Name OCR - POP Put	rchase Invoice							
Make One-Click toolbar								
Default Parameters Process Sett	ings Destination De	tails						
Dharchive DhCanture		entSet						
		and out						
rofile Exchequer P	OP Invoices	•						
Name	Input Type	Default Value	Batch Header	Document Header	Disable On View Screen	Hide	Data Propagation	
Exchequer Company	DropdownCombo	SIMO01						
Search Type	Text							
Query Database	Text							
Supplier Code	Text							
Supplier Name	Text							
Supplier Email	Text					V		
Supplier Invoice Number	Text							
Invoice Date	Date							
Document Type	Text							
Document Currency	Text							
Process	Drop-down list	Update [PIN] Status						
Exchequer Transaction Numbe	r Text							
Document Status	Text							
Net Value	Text							
V.A.T.	Text					V		
Gross	Text					V		
Discount	Text					\checkmark		
Additional Charges	Text							
ARCH_USER	Text	##USER##						
ARCH_DATE	Text	##DATE##						
Annotation Comment	Text							
Imported from Email	Text							
DocGUID	Text							
							OK Carrol	
							OK <u>C</u> ancel	

- Add all the desired companies in the default value dropdown for the Exchequer Company field
- Add the following options to the Process drop down:
 - Update [PIN] Status
 - Convert from [PDN] to [PIN]
 - Convert from [POR] to [PIN]

More details can be found in the Client Configuration documentation.

Once done, the users must re-import the global profiles locally to complete the process.

Final testing and housekeeping

Testing

Now the system is updated, you are advised to run a series of basic tests to ensure it is performing as expected:

EDM

- Load the DbDeposit / SmartDeposit interface and check you select a company and do a look up against a transaction
- Load DbScanner and check you can import / scan a document and retrieve tag information
- Load Exchequer and check drill downs for legacy documents still display the image in either DbWebQuery or SmartRetrieve (if this has been updated too.)

OCR

- Load DbScanner and check you can import / scan a document and pass it to DbCapture
- Copy a PDF into one of the OCRIMPORT directories and check it is passed to the correct profile.

Housekeeping

Assuming the tests have been successful, the **legacy** EDM tables (i.e. those beginning <COMPANYNAME>PTRANS etc ..) can be purged.

- 1. Load the DbLogin Admin Console as an administrative user
- 2. Click the DbArchive Import / Export button
- 3. Select each of the *legacy* tables (those beginning <COMPANY>) and click the clear button on each to purge the tags
- 4. Click the DbArchive Table Editor button
- 5. Delete the legacy DbArchive tables

Appendix

- Ensure \V1Home\DbArchive\DbCSQuery is dated 11/09/2015 or later to allow for the Company / User check in DbCapture (the enhancement allowing the interrogation of the DBA_FILTER_MAP table)
- Post update, check the #uses paths in each def file in \v1\DbArchive
- Post update, check the #uses paths in each def file in \v1\DbCapture\defs
- Post update, check the server details in $v1\DbArchiveV1_SETTINGS.def$
- Post update, check the server details in \v1\DbCapture\defs\OCR_V1_SETTINGS.def