

## Migrating MiDatabank Version 2 to Version 3

Please note: MiDatabank version 3 requires Microsoft SQL Server 2005 or Microsoft SQL Server 2008. Version 3 is more complex and resource-hungry than version 2 and may require upgrading server or client hardware to provide acceptable performance. This is especially true if any of the hardware is getting old or of low specification.

# A dry-run of the migration is recommended to flush out any possible performance issues.

The migration of MiDatabank version 2 to version 3 involves installing new client software on local PCs. It also involves a brand new database format, and it is necessary to migrate data from the existing MiDatabank database (usually called mi.mdf) to the new database (a database called mi3.mdf).

#### **Configuration of client software:**

Before migrating the database, it is suggested that the MiDatabank 3 software is installed on client machines.

Once the client software has been installed, it is necessary to change the connection string so that it uses the mi3 database that will be created in the next step. The file to change is called init.xml and is contained in the following directory:

C:\Program Files\CoAcS\MiDatabank 3

The following is an example connection string:

```
packet size=4096;integrated security=SSPI;data source=pluto;persist security
info=False;initial catalog=mi3
```

This connection string assumes that you have a database server called **pluto** hosts the **mi3** database

#### Migrating the Database

The database migration involves running a sql script that transfers data from the old database (mi.mdf) to the new database (mi3.mdf)

This process is as follows:

- 1. A detached database called mi3 is provided by CoAcS. The database administrator attaches this database on the SQL Server. A virgin database called mi3 is created.
- 2. Users are told to stop using the version 2 software.
- 3. A backup is taken of the current live database this is the database called mi.mdf used by version 2. A copy of this backup should be placed in long-term storage.



4. A conversion script is provided by CoAcS. This conversion script is run on the database server. It transfers all the necessary data from mi.mdf to mi3.mdf. The script assumes that the mi and mi3 databases are on the same SQL Server Instance. If the mi3.mdf database is being hosted on a new server, then the backup of mi.mdf from 2 above should be restored on the new server prior to running the conversion script.

It is recommended that a 'dry-run' be done of the migration process above. This would involve omitting step 2 above. During the dry-run, version 2 continues to be used for live enquiries. However, the dry-run allows users to create 'pretend' enquiries using version 3, and exploration of the new features and facilities.

An important aspect of the dry-run is to identify any issues before going live. Version 3 is more complex and resource-hungry than version 2 and there may be speed issues, especially if the server and client machines are getting old.

Any data entered in the dry-run is effectively dead data and will be lost. At a later date, the dry-run database should be deleted and the process above repeated for the actual go live.

### **Configuration of database:**

It is expected that there will already be two windows groups on Active Directory (or the local SQL server) called:

- MIAdministratorUsers
- MIEnquiryManagerUsers

These will have been created as part of the original installation of the mi.mdf database from version 2. If these do not already exist, they should be created and populated with the appropriate windows users.

In order to complete configuration of the mi3 database, it is necessary to add the above groups as logins to mi3.mdf, and then:



For the MIAdministratorUsers login, add the MIAdministrator database role:

🚪 Login - New						
Select a page	<u> S</u> Script 🗸	🛯 📑 Help				
General Server Roles	Users mappe <u>d</u> to this login:					
	Мар	Database	User	Default Schema		
🚰 Status		lipidex				
		Lipidexpromo				
		master				
		memiBackup				
		mi				
		MI_membership				
		mi3	PRSV-PRISYM\MIAdministratorUsers			
		mi3_virgin				
		MIDResources Jan 2010		-		
	I ■					
	Database	role membership for: mi3				
Connection	db_ac	cessadmin				
Server: PRSV-PRISYM	db_ba	ackupoperator atareader atawriter				
Connection: PBSV-PBISYM\B0ssman	db_do	fladmin				
	☐ db_denydatareader					
View connection properties	db_ov	vner				
Program	db_se	curityadmin				
Ready		ninistrator armacist				
The second secon	<b>I</b> public					
				Cancel		



For the MIEnquiryManagerUsers login, add the MIPharmacist database role:

🚪 Login - New				
Select a page	<u> S</u> Script 👻	🚹 Help		
General Server Roles User Mapping Securables Status	Users mappe	eg to this login: Database MI_membership mi3_wirgin MIDResources Jan 2010 MIDResources June 2009 model	User PRSV-PRISYM\MIEnquiryManagerUsers	
Connection Server: PRSV-PRISYM Connection: PRSV-PRISYM\B0ssman In <u>View connection properties</u> Progress Ready	<ul> <li>db_acce</li> <li>db_back</li> <li>db_datai</li> <li>db_ddatai</li> <li>db_ddatai</li> <li>db_delac</li> <li>db_deny</li> <li>db_deny</li> <li>db_secu</li> <li>MIAdmin</li> <li>✓ MIPharm</li> <li>✓ public</li> </ul>	ssadmin upoperator eader drin datareader datawriter ar rityadmin istrator Jacist		
			ОК Са	ancel

**Launch the MIAdmin application:** the last job is to launch the MIAdmin application and finish configuration.

Once you have launched MIAdmin, please ensure that the path for the attachment storage directory is valid. This path will be the same as used for version 2.



Migrating MiDatabank v2 to v3

The following shows an example:

MiDatabank Administration v	/3 (Super User)				
Centres Organisations I	individuals $\langle$ Keywords $\langle$ Sources Master List $\langle$ MI Categories Master List $\langle$ Reps $\langle$ Products $\langle$ Manufacturers $\rangle$				
Centres Managed by System:	/ Configuration 🗸 Origins 🖞 Users 🖞 Sources 🖞 MI Categories 🖞 Letter Template 🖞 Standard Paragraphs 🖞 Scann 🕢 🕨				
Demonstration Site	Name for MI System: MiDatabank Demo				
	Attachment Storage Directory ///pluto/MiDatabankFileAttachments/				
	Path of DM+D XML File \\pluto\MiDatabankFileAttachments\MI_DMD.xml				
	Every         Software Licence           Autosave Enquiry Data         30         Seconds         Current Licence Expires: 30 June 2010 23:59:59				
	Update Enquiry Manager Data 60 Seconds 1				
	Days to alert for amber status 3 Days 1 Update Licence				
	Enquiry Manager User Interface Items				
	Allow Request Help				
	Allow Auto-Keyword				
	Show Patient and Enquirer Anonymity Panel				
	Compulsory Patient and Enquirer Anonymity Panel				
	Available Enquiry Types				
	MI Enquiries				
	ADRs				

If you need to change the path of this directory (e.g. because the existing server is being retired), you will need to move the contents of the existing directory to the new directory.

This will ensure that any attachments made using version 2 will still be available.

#### **Enable updates to the core resource list**

The main advantage of using the update mechanism is that it saves end-users a huge amount of time - there are hundreds of resources on the centrally maintained core listing.

Using the update facility means that users do not have to manually add all the commonly used resources, but can simply check for updates every month or so.



The update mechanism is contained with the MiDatabank Administration application as shown below:

Centres ( Organisations ( Individuals ( Ke	ywords <mark>y</mark> Sources Ma	ister List V MI Ca	ategories	Master Lis	st ( Reps ( Pr	oducte V Menufe	thurs \	-
Sources Master List View By: @	)Individual Title 🤇	Collective Titl	e 🗆 Hidi	e Inactive	Sources	Check For Resour	ce Upda	ites
Individual Title								
Title	Author/Editor	Publisher	Edition	URL	Reference	Collective Title	Core	A
<colleague></colleague>						<colleague></colleague>	True	Tr_
<industry: customer="" dept="" service=""></industry:>						Contact the	True	Tr
<industry: dept="" information="" medical=""></industry:>						Contact the	True	Tr
<internet search=""></internet>						<internet s<="" td=""><td>True</td><td>Tr</td></internet>	True	Tr
<other book=""></other>						<other book=""></other>	True	Tr
<other e-source=""></other>						<other e-so<="" td=""><td>True</td><td>Tr</td></other>	True	Tr
<other paper="" source=""></other>						<other pap<="" td=""><td>True</td><td>Tr</td></other>	True	Tr
<other source="" specialist=""></other>						<other spec<="" td=""><td>True</td><td>Tr</td></other>	True	Tr
<own knowledge=""></own>						<0wn Know	True	Tr
<past enquiry=""></past>						<past enqui<="" td=""><td>True</td><td>Tr</td></past>	True	Tr
<standard pattern="" search=""></standard>						<standard s<="" td=""><td>True</td><td>Tr</td></standard>	True	Tr
Acute Pain Management: A practical guide	Macintyre PE an	Saunders	3rd e		ISBN-10:	Acute Pain	True	Tr
ADIS Journals		ADIS	online	www		ADIS Journals	True	Tr
ADIS R & D Insight		ADIS	online	http:/		ADIS R & D I	True	Tr
Administering Medicines through Enteral		Belfast Roy	2nd,			Administerin	True	Tr
Adverse Drug Reactions	Lee, A	Pharmaceu	2nd,			Adverse Dru	True	Tr
AHFS Drug Information		American S	2009			American So	True	Tr
AHFS Drug Information	McEvoy GK	American S	2008		ISBN: 15	American So	True	Tr
AHFS Drug Information	McEvoy GK (ed)	American S	2004			American So	True	Fa
AHFS Drug Information	McEvoy GK (ed)	American S	online	www		American So	True	Tr
AHFS Drug Information	McEvoy GK (ed)	American S	2007			American So	True	- Fa
		· · ·				· · · ·	- <b>T</b>	Ē

Clicking on the 'Check For Resource Updates...' causes a request to be made to a web service on the internet, and data to be returned to the MiDatabank Administration application.

Please note that:-

- The data returned is limited to textual information about books and urls. If the user chooses to accept the selected information, the local database (the mi3 database as configured above) will be updated with this information.
- The data passed is one-way from the update web-service to MiDatabank.
- The web-service has been endorsed by UKMI
- The web-service is provided by CoAcS a UK company which is currently working towards ISO 27001 and N3 connectivity.

Since most organisations have some kind of internet security in-place to prevent incoming viruses or outgoing leakage of sensitive data, it may be necessary to make changes to the organisation's firewall rules, or otherwise allow the web-service request to succeed.

For IT departments there is a guide called '*Web Service Configuration*' available in the Documents>Installation section of the midatabank.com web-site.