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WELCOME

Welcome to the Amlib Client 5.4 Upgrade Installation Guide.

Please Note: Your system must be on at least version 5.3.x before completing this upgrade.

This is a major release containing updated modules, new reports and various database changes. The complete installation time will vary according to the database size of the Library but the process time is estimated at less than one (1) hour to complete.

Please refer to the Version 5.4 Release Notes here for a comprehensive list of the new features and changes in the Amlib 5.4 client.

OVERVIEW

The upgrade of the Amlib client involves the following steps:

1. Upgrade of the Amlib client application to Amlib Client 5.4
2. The execution of the Amlib 5.4 Changes Script to reconfigure the Amlib SQL databases
3. Install Amlib Client 5.4.x patches (where applicable, see separate documentation)

BEFORE YOU BEGIN THE INSTALLATION

Read the Installation Notes First

Please carefully read the entire installation guide prior to commencing the actual Amlib release update.

If you have any questions please log a support request using TOPdesk at https://servicedesk.oclc.org/tas/public/index.jsp. If you do not know your TOPdesk login please email support-amlib@oclc.org and we will send it to you.

Follow the instructions precisely and do not run any scripts against the database more than once. If you have any difficulties, please call OCLC (UK) Ltd immediately.

Option to Install to Test Database First

If you would like to only install this release in your test Amlib database, please log a support request on TOPdesk before proceeding.

If You Use Gupta (Centura) SQLBase with Amlib

- Amlib Client 5.4 does not support Gupta SQLBase
- You will need to migrate your database software to SQL Server
- For information on migrating to SQL Server, please contact Amlib Support
- Please Note: that you have the option of migrating to SQL Server 2008 R2 Express Edition, which is a free version of SQL Server
Customised Report Templates

**WARNING!**

Sites that have *customised* any report templates MUST ensure that the customised templates have been saved with a new name (with backup copies saved elsewhere).

- The report templates are located in the **Reports** folder on your **Amlib** server – for example: **C:/Amlib/Reports**

If you have not renamed your templates after making changes, they will be *overwritten* during the upgrade as the incoming template file names will match on the existing template file names. During the upgrade all report templates will also be copied to **C:/Amlib/Previous/Reports** so you may find the last version of your report templates there after the upgrade.

Serial Numbers Required for Installation of Amlib Modules

The **Amlib Client 5.4 Upgrade** requires a serial number. Before commencing the upgrade you must log a support call on TOPdesk requesting your serial keys for the upgrade at [https://servicedesk.oclc.org/tas/public/index.jsp](https://servicedesk.oclc.org/tas/public/index.jsp). If you do not know your TOPdesk login please email **support-amlib@oclc.org** and we will send it to you. When logging a support call for the serial keys please advise us what your current version of Amlib is.
AMLIB SUPPORTED OPERATING SYSTEMS & SYSTEM REQUIREMENTS

**Database Server**

| RDBMS | • Microsoft SQL Server 2000, 2005, 2008 R2  
|        | • Oracle 9i, 10g, 11gR2  
| Memory (RAM) | • Depends on operating system, volume & RDBMS selected.  
|        | • Minimum 2GB RAM for SQL Server  
|        | • Minimum 2GB RAM for Oracle  
| Hard Disk | • Depends on volume. Using multiple Fast SCSI-3 Disk Drives (for example: more SCSI drives provides better performance)  
| Backup | • Removable backup device (for example: 4mm DAT Tape Drive)  

**NetOpacs (Web Opac) Application Web Server**

| Operating System | • Windows 2000, 2003, 2008 with IIS pre-installed  
| Memory (RAM) | • Depends on operating system and volume  
|        | • Minimum 2GB RAM for Windows 2003/2008  

Although NetOpacs can operate on the same Amlib Database Server, it is recommended that medium to large libraries should implement a dedicated NetOpacs Server for maximum performance & security

**PC Client (for Client Server Modules including Offline)**

| Operating System | • Windows XP, 2000, Vista, Windows 7  
| Memory (RAM) | • Minimum 256 Mb for Windows XP  
|        | • Minimum 256 Mb for Windows 2000  
|        | • Minimum 1GB for Windows 7  
|        | • Minimum 1GB for Windows Vista  
| Display | • SVGA (800x600) minimum  
| Web Browser | • Internet Explorer 7 and above (will also work with other JAVA enabled browsers)  

- **Important Note:** the above requirements are provided as a general guideline only
SECTION 1: UPGRADE AMLIB SERVER AND DATABASE

The Amlib Client 5.4 needs to be installed on both the Amlib server and any PCs with the Amlib client installed locally.

Please Note: This process should take less than an hour depending on the size of your database and server configuration. (If you are reading this document for the first time and have not yet started the Amlib Client 5.4 Upgrade you can copy your Live database to your Test database, and run the script on the Test database first to ascertain how long it will take)

Step 1: Log All Users out of Amlib

- Ensure all users have logged out of the Amlib client
- Libraries using NetOpacs and AmlibNet will need to ensure that the NetOpacs and AmlibNet program has been shutdown on the web server(s)
- OCLC (UK) Limited recommends that the library verify that it has an up-to-date backup of its database (for example: from the previous night) before installing any updates

Step 2: Install the Amlib Client 5.4 Upgrade

IMPORTANT: Please ensure that you have full read/write access to the \Amlib folder on your server (for example: C:\Amlib) and that you are logged in with Administrative Privileges.

1. The Amlib Client 5.4 installer is available on the OCLC Website, under Update and Patches>Amlib Client: https://www.oclc.org/support/services/amlib/downloads-software-updates/version5-4/updates-and-patches.en.html (contact Amlib support if you require a login to this website)
2. Download the Amlib54Upgrade.exe and save it on your Amlib server
3. Double-click the Amlib54Upgrade.exe to launch the installation Wizard – the Setup – Amlib Client screen will open displaying the Welcome message:
4. Click the **Next** button – the **Serial** screen will display, prompting you for valid **Serial Number**:

![Serial Screen](image)

5. Enter the **Serial Key** supplied by *OCLC (UK) Ltd* (case sensitive!) then

6. Click the **Next** button – the **Installation Location** screen will be displayed

7. Setup will search for the existing folder where the *Amlib Client 5.3* is currently installed (if it is unable to find the existing folder a default folder will display)

![Installation Location Screen](image)

8. If the folder displayed IS NOT correct then click the **Browse** button to manually locate the location of the existing `\Amlib` folder
9. Click the **Next** button – the **Select Components** window will display:

![Select Components Window](image)

10. **Choose** which components should be installed:

    a. **Modules To Install**:

        - **Amlib Staff User (Full)** – upgrades *Amlib Staff Client* (catalogue, circulation, etc.)

        - **Amlib Opac Only** – only upgrades the Amlib Client Server OPAC module *(only select this option if you installing on a Public Access workstation)*

    b. **Report Template Paper Format**:

        - **A4 (Australia, UK, Europe)** – installs the *Amlib* report templates formatted for A4 paper type

11. Select options and click the **Next** button – the **Ready to Install** screen will display with a summary of the installation tasks to be performed:

![Ready to Install Screen](image)
12. Click the **Install** button – the **Installing** screen will display:

![Installing Screen](image1.png)

13. When complete click the **Finish** button

![Finish Button](image2.png)

14. The setup Wizard will close

Installation of the *Amlib Client 5.4 Upgrade* is now complete.
Step 3: Run the Amlib 5.4 Changes Script using the Amlib Upgrade Utility

After successfully installing the Amlib Client 5.4 software on the server, you will need to run the Upgrade.exe utility to update your Amlib SQL databases with the new tables and columns for this release.

**WARNING! Do not run any of these Upgrade Scripts on the same database more than once. If you have any difficulties, please ring OCLC (UK) Limited immediately.**

1. To start the Amlib Upgrade utility, click on the Windows Start menu and select Run – the Run dialog window will display:

2. In the Open: field type in: c:\amlib\upgrade and click the OK button (replace c:\amlib with the correct path of your Amlib Client folder if different)

3. The Amlib Upgrade screen will display:

4. From the menu, select File > Login... - the Login dialog box will display:

5. Ensure the Database authentication option is selected

6. Enter the following:
a. Login name: SYSADM
b. Password: SYSADM
c. Select the Database to update (default is the Live database)

Please Note: The login is case-sensitive. If typed in lowercase, it will appear as uppercase, but you MUST type it in uppercase.

7. Click the OK button

The Amlib Upgrade utility should now be logged into your SQL database.

8. From the menu, select File > Open… - the Open dialog box will display:

IMPORTANT NOTE FOR USERS UPGRADING FROM AMLIB 5.1 or 5.2:
You MUST upgrade to version 5.3 before upgrading to 5.4. Please follow the relevant upgrade guides that can be found on the content portal.

9. In the Scripts subfolder (for example: C:\Amlib\Scripts), select the Amlib 5.4 Changes.sql file and click on the Open button
10. A prompt will display with the following message: **This script will modify the database for use with the Amlib Version 5.4. Do you wish to Continue?**

![Prompt](image)

11. Click the **Yes** button (select **No** if the SQL script has previously been run on this database and you have selected to run this script by mistake)

12. The system will immediately start updating the database for the *Amlib 5.4* system changes

13. On successful completion of the upgrade script a prompt will display with the following message: **The Amlib 5.4 upgrade script is complete. Please check the file ‘upgrade.log” for any errors.**

14. Click the **OK** button

15. To exit the *Amlib Upgrade* utility, from the menu select **File > Exit**

The database has been successfully updated.

- To upgrade your sites *Test* database (available at most sites), Local History database (selected sites only) repeat the above except select the required database (for example: *Test*) DO NOT select the *Live* database again!

**IMPORTANT NOTE: for customers with single shared AMCAT database with multiple AMLIB databases**

You will need to re-run the *Amlib 5.4 Changes.sql* script at each library with a separate AMLIB database, even if they are using a shared AMCAT database that has already had the script applied.
SECTION 2: UPDATE ALL PCS

Step 1: Install Amlib Client 5.4 Upgrade

Please ensure that you have full read/write access to the Amlib folder (for example: C:\Amlib) and that you are logged in with Administrative Privileges.

- To install the Amlib 5.4 Client upgrade to local machines.

PLEASE NOTE:

- If the Amlib Client software is installed on each PC: EVERY PC that has the Amlib Client software installed on it will need to have the above Amlib Client 5.4 Upgrade loaded on the local hard drive (for example: C:\Amlib)
- Refer to Appendix A (at the end of this document) for optional information of Silent Mode Command Line Parameters available for installing the Amlib client

SECTION 3: UPGRADE NETOPACS & ASSOCIATED PRODUCTS

After the upgrade of the Amlib client to Version 5.4, sites will then need to upgrade their NetOpacs and other associated products (where applicable).

- See separate guides for installation details

SECTION 4: ADVISE OCLC (UK) LTD OF COMPLETION

To enable OCLC (UK) Ltd to verify that the Upgrade has been installed correctly please e-mail the upgrade.log to:

- support-amlib@oclc.org

This file will be located in the Amlib\Scripts folder on the PC/server.
Frequently Asked Questions

Question: How much space do I need to have on my server?

- This will vary from library to library, depending on the number of bibliographic records held in the database. Generally libraries should ensure they have at least 5 Gb free space on their database server.

Question: Do I need to have a completed backup of my system before proceeding?

- Yes. OCLC (UK) Ltd recommends that the library verify that it has an up-to-date backup of its database (for example: from the previous night) before installing any updates. You should also make sure that your tape backup includes a backup of your Amlib client folder (for example: C:\Amlib).
- Also if you have customised any report templates, please ensure they have been renamed and a copy saved elsewhere. If you have not renamed your templates after making changes, they will be overwritten by the upgrade as the incoming file name will match on the existing file name.

Question: Do I need to update each PC with the Amlib Client Upgrade?

- In addition to the database server itself, the Amlib Client 5.4 Upgrade needs to be installed on each PC that has the Amlib software loaded on the local hard disk.

WARNING: Any Amlib database Upgrade scripts (SQL scripts using UPGRADE.EXE) should only be run once for the entire site.

Question: Do all users need to be logged out of Amlib?

- Yes. All users should be completely logged out from all Amlib client modules when installing the new Amlib client release UNTIL the entire upgrade processes are completed.
- Libraries using the NetOpacs module should ensure that this program is also shutdown.

Question: Can OCLC (UK) Ltd install the upgrade for me?

- Yes. OCLC (UK) Ltd can arrange for the remote installation of this upgrade for a small fee.
Question: How do I know whether Amlib is loaded from my local PC?

- Right-click on the Amlib icon on your desktop and select Properties – the Amlib Toolbar Properties window will display.
- The Target field will show you where your Amlib is installed:
  a. If it has something like C:\Amlib (or D:\Amlib, E:\Amlib depending on the hard drives in your computer) then it is installed locally.
  b. If it starts with two back slashes (\\) and then a name or IP address, it is installed on a server.

- If you are having trouble identifying where Amlib is installed please contact your IT Department or Amlib Support for assistance.
APPENDICES

Appendix A: Silent Mode Command Line Parameters

The Amlib Client 5.4 Upgrade installer features the option to install with silent mode command parameters - ideal if you wish to automatically distribute to Amlib Staff Workstations as part of a login script.

For example:

- `Amlib53Upgrade.exe /VERYSILENT /SUPPRESSMSGBOXES /NOCANCEL /DIR="c:\amlib"

(Installs the Amlib Client 5.4 Upgrade silently to the C:\Amlib on the workstation)

Details of available parameters are:

/SILENT, /VERYSILENT
Instructs Setup to be silent or very silent. When Setup is silent the wizard and the background window are not displayed but the installation progress window is. When a setup is very silent this installation progress window is not displayed. Everything else is normal so for example error messages during installation are displayed unless disabled using /SUPPRESSMSGBOXES.

If a restart is necessary and the '/NORESTART' command isn't used (see below) and Setup is silent, it will display a Reboot now? message box. If it’s very silent it will reboot without asking.

/SUPPRESSMSGBOXES
Instructs Setup to suppress message boxes. Only has an effect when combined with '/SILENT' and '/VERYSILENT'.

The default response in situations where there's a choice is:

- Yes in a 'Keep newer file?' situation.
- No in a 'File exists, confirm overwrite.' situation.
- Abort in Abort/Retry situations.
- Cancel in Retry/Cancel situations.
- Yes (=restart) in a FinishedRestartMessage/UninstalledAndNeedsRestart situation.

5 message boxes are not suppressible:
- The About Setup message box.
- The Exit Setup? message box.
- The FileNotinDir2 message box displayed when Setup requires a new disk to be inserted and the disk was not found.
- Any (error) message box displayed before Setup (or Uninstall) could read the command line parameters.
- Any message box displayed by [Code] support function MsgBox.

/NOCANCEL
Prevents the user from cancelling during the installation process, by disabling the Cancel button and ignoring clicks on the close button. Useful along with '/SILENT' or '/VERYSILENT'.

/NORESTART
Instructs Setup not to reboot even if it's necessary.

/RESTARTEXTCODE=exit code
Specifies the custom exit code that Setup is to return when a restart is needed. Useful along with '/NORESTART'. Also see Setup Exit Codes.

/DIR="x:\dirname"
Overrides the default directory name displayed on the Select Destination Location wizard page. A fully qualified pathname must be specified.

/PASSWORD=password
Specifies the Password (Serial Key) to use.

When an invalid password is specified, this command line parameter is also ignored.
/GROUP="folder name"
Overrides the default folder name displayed on the Select Start Menu Folder wizard page.

/NOICONS
Instructs Setup to initially check the Don't create any icons check box on the Select Start Menu Folder wizard page.

/COMPONENTS="comma separated list of component names"
Overrides the default components settings. Using this command line parameter causes Setup to automatically select a custom type.

(You will need to contact Amlib Support for a complete list of Components that are available to choose from, depending on which Installer is being used)

/TASKS="comma separated list of task names"
Specifies a list of tasks that should be initially selected or deselected. To deselect a task, prefix its name with a "!" character.

Only the specified tasks (and their children) will be selected; the rest will be deselected. Use the /MERGETASKS parameter instead if you want to keep the default set of tasks and only select/deselect some of them.

Examples:
Deselect all tasks, then select the "desktopicon" and "fileassoc" tasks:
/TASKS="desktopicon,fileassoc"

Deselect all tasks, then select a parent task item, but exclude one of its children:
/TASKS="parent,!parent\ child"

/MERGETASKS="comma separated list of task names"
Like the /TASKS parameter, except the specified tasks will be merged with the set of tasks that would have otherwise been selected by default.

If UsePreviousTasks is set to yes, the specified tasks will be selected/deselected after any previous tasks are restored.

Examples:
Keep the default set of selected tasks, but additionally select the "desktopicon" and "fileassoc" tasks:
/MERGETASKS="desktopicon,fileassoc"

Keep the default set of selected tasks, but deselect the "desktopicon" task:
/MERGETASKS="!desktopicon"

/LOG
Causes Setup to create a log file in the user's TEMP directory detailing file installation and [Run] actions taken during the installation process. This can be a helpful debugging aid. For example, if you suspect a file isn't being replaced when you believe it should be (or vice versa), the log file will tell you if the file was really skipped, and why.

The log file is created with a unique name based on the current date. (It will not overwrite or append to existing files.)

The information contained in the log file is technical in nature and therefore not intended to be understandable by end users. Nor is it designed to be machine-parseable; the format of the file is subject to change without notice.

/LOG="filename"
Same as /LOG, except it allows you to specify a fixed path/filename to use for the log file. If a file with the specified name already exists it will be overwritten. If the file cannot be created, Setup will abort with an error message.

/LOADINF="filename"
Instructs Setup to load the settings from the specified file after having checked the command line. This file can be prepared using the /
SAVEINF= command as explained below.

Don't forget to use quotes if the filename contains spaces.

/SAVEINF="filename"
Instructs Setup to save installation settings to the specified file.

Don't forget to use quotes if the filename contains spaces.