Amlib
Client Patch
Installation
Guide

Version 5.3.3

Last Updated: 4 July 2013

Only for customers who have previously upgraded their Amlib Client to Version 5.3, 5.3.1 or 5.3.2.
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WELCOME

Welcome to the Amlib 5.3.3 Client Patch Installation Guide.

This is a patch release containing updated modules and new reports. The complete installation time is estimated at less than one (1) hour to complete.

Please Note: This document has been prepared for all libraries that currently have Amlib Client 5.3, 5.3.1 or 5.3.2 installed. For users who haven’t previously upgraded from 5.3 to 5.3.1 or 5.3.2, there is NO need to install the Amlib Client 5.3.1 Patch or Amlib Client 5.3.2 Patch, as the 5.3.3 Patch incorporates all the 5.3.1 Patch and 5.3.2 Patch changes.

OVERVIEW

The upgrade of the Amlib client involves the following steps:

1. Upgrade of the Amlib client application to Amlib Client 5.3.3
2. The execution of the Amlib 5.3 Changes Extra Script to reconfigure the Amlib SQL databases using Upgrade.exe

IMPORTANT: Users who have previously upgraded their Amlib client to 5.3 or 5.3.1 (but not to Amlib 5.3.2) and who are running double-entry financials (see Frequently Asked Questions section) should contact Amlib Support after completing this upgrade for details of an additional fix (5.3.2 Fix Payments Link) that must be run. This will correct an issue where Amlib 5.3 and 5.3.1 failed to update the Financial Payments Links where a borrower barcode had been changed. This fix does not need to be run for libraries running single-entry financials, libraries upgrading to Amlib 5.3, who then immediately install the Amlib 5.3.3 patch, or for libraries that have previously upgraded to Amlib 5.3.2 and run the fix at that time.

IMPORTANT: Please check your version of Amlib before running the patch. It is very important that you only run this patch if you are currently running Amlib Version 5.3, 5.3.1 or 5.3.2. To check your current version of Amlib:

1. In Amlib navigate to Main > Base > About Release
2. Note the version number at the top of the screen
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 contact: support-amlib@oclc.org.

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 email support-amlib@oclc.org before proceeding.

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.

Serial Numbers NOT Required for Installation of Amlib Modules

- The Amlib Client 5.3.3 Patch DOES NOT require a serial number
Frequently Asked Questions

Question: How do I know if I am running Single-Entry or Double-Entry Accounting?

- This can be determined as follows:
  - Launch the Amlib client
  - Go to Main > Supervisor > Installation – the Installation (DEFAULT) screen will display
  - Select the System tab
  - Scroll down and check the following setting: Use double entry accounting (Y/N)
    - If set to N, then your system is set to single-entry accounting
    - If set to Y, then your system is set to double-entry accounting

Please Note: This setting was called Disallow financial changes once values entered and saved in previous versions of Amlib

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 Patch?

- In addition to the database server itself, the Amlib Client 5.3.2 Patch needs to be installed on each PC that has the Amlib software loaded on the local hard disk.

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 client 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.
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 patch for me?

- Yes. *OCLC (UK) Ltd* can arrange for the onsite installation of this upgrade for a small fee.
### AMLIB SUPPORTED OPERATING SYSTEMS & SYSTEM REQUIREMENTS

#### Database Server

<table>
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<th>• Linux (and Unix)</th>
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</table>
| RDBMS            | • Microsoft SQL Server 2000, 2005, 2008 R2  
|                  | • Oracle 9i, 10g                        |
| 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

<table>
<thead>
<tr>
<th>Operating System</th>
<th>• Windows 2000, 2003, 2008 with IIS pre-installed</th>
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</table>
| 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)

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<tr>
<th>Operating System</th>
<th>• Windows XP, 2000, Vista, Windows 7</th>
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| 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 5.3.3 Patch 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 5.3.3 Patch, 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 5.3.3 Patch

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 5.3.3 Patch installer is available on the OCLC Website, under Updates and Patches>Amlib Client: https://www.oclc.org/support/services/amlib/downloads-software-updates/version5-3/updates-and-patches.en.html (contact Amlib support if you require a login to this website)
2. Download the Amlib533Patch.exe and save it on your Amlib server
3. Double-click the Amlib533Patch.exe to launch the installation Wizard – the Setup – Amlib Client screen will open displaying the Welcome message:
4. Click the **Next** button – the **Installation Location** screen will be displayed

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

6. If the folder displayed IS NOT correct then click the **Browse** button to manually locate the location of the existing \Amlib folder

7. Click the **Next** button – the **Select Components** screen will display:

8. **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
- **Letter (USA, Canada)** – Installs *Amlib* report templates formatted for Letter paper type

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

10. Click the **Install** button – the **Installing** screen will display:

11. When complete click the **Finish** button
12. The setup Wizard will close

Installation of the Amlib Client 5.3.2 Patch update is now complete.

**IMPORTANT:** Users who have previously upgraded their Amlib client to 5.3 or 5.3.1 (but not to Amlib 5.3.2) and who are running double-entry financials (see [Frequently Asked Questions](#) section) should contact Amlib Support after completing this upgrade for details of an additional fix ([5.3.2 Fix Payments Link](#)) that must be run. This will correct an issue where Amlib 5.3 and 5.3.1 failed to update the Financial Payments Links where a borrower barcode had been changed. This fix **does not** need to be run for libraries running single-entry financials, libraries upgrading to Amlib 5.3, who then immediately install the Amlib 5.3.3 patch, or for libraries that have previously upgraded to Amlib 5.3.2 and run the fix at that time.

**Step 3: Run the Amlib 5.3 Changes Extra Script using the Amlib Upgrade Utility**

After successfully installing the Amlib Client 5.3.3 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 patch.

**WARNING! Do not run any of these Upgrade Scripts on the same database more than once. If you have any difficulties, please contact Amlib Support 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:

9. In the Scripts subfolder (for example: C:\Amlib\Scripts), select the Amlib 5.3 ChangesExtra.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 Patch Release Version 5.3.3. Do you wish to Continue?

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 5.3.3 system changes.
13. On successful completion of the upgrade script a prompt will display with the following message: The upgrade script for Amlib Patch Release Version 5.3.3 is complete. Please check the file "upgrade.log" for any errors.

![Message](image)

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 5.3 ChangesExtra.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 the Amlib Client 5.3.3 Patch

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 Client 5.3.3 Patch to local machines, simply follow the instructions in Section 1 – Step 2: Install the Amlib Client 5.3.3 Patch above

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 5.3.3 Patch loaded on the local hard drive (for example: C:\Amlib)
- If separate Amlib OPAC Client software is installed separately on an OPAC terminal: the Amlib Client 5.3.3 Patch above will also need to be installed to the folder containing the Amlib OPAC Client software (EXCEPT only choose the option Amlib Opac Only at instruction 5)
- 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 5.3.3, sites will then need to upgrade their NetOpacs and other associated products and D.I.Y. (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.
Appendix A: Silent Mode Command Line Parameters

The *Amlib Client 5.3.3 Patch* 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:

- `Amlib533Patch.exe /VERYSILENT /SUPPRESSMSGBOXES /NOCANCEL /DIR="c:\amlib"

(Installs the *Amlib Client 5.3.3 Patch* 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 `/SUPRESSMSGBOXES`

  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.

- **/SUPRESSMSGBOXES**
  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.

- **/RESTARTEXITCODE=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="\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.