

Installation Guide: Delta Module Manager Launcher

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This information is based on Delta Financial Systems understanding of the current legislation. You should not rely solely on the information provided by Delta Financial Systems but should also form your own opinion as to the practical applications of the current legislation.

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Overview

Delta Module Manager is a reporting application which presents data from the Report~Pro data warehouse. The data in Report~Pro originates from the SIPP~Pro and SSAS~Pro applications.

Note: The Delta Module Manager is often referred to as the DMM.

This document is an Implementation Guide for the Delta Module Manager application only and does not cover the installation of FileMaker Server, FileMaker Pro, SIPP~Pro or SSAS~Pro, as these are covered in separate installation guides.

Delta Module Manager Launcher

The DMM Launcher is an automated application that makes the deployment of the Delta Module Manager application, patches and new functionality a seamless operation.

The process works by creating a single SQL deployment process that will update all the Report~Pro databases and populate a table with the latest binary files for Delta Module Manager. DMM Launcher will check this table against what is installed on the client machine and then update any newer files.

Pre-Installation Considerations

Hardware Requirements

Supported Hardware	
Processor	Intel® Pentium 3 (500MHz or higher)
Memory	256MB (minimum)
Disk Usage	100MB (approx.)

Table 1

Software Requirements

Supported Client Operating Systems
Windows 10
Windows 8
Windows 7

Table 2

Supported Server Operating Systems
Windows 2012 (R2) Server
Windows 2012 Server
Windows 2008 (R2) Server
Windows 2008 Server
Windows 2011 Small Business Server (SBS)
Windows 2008 Small Business Server (SBS)
Windows Remote Desktop Services
Citrix Server (hosted on Windows Server 2008 onwards)

Table 3

Note: 32-bit or 64-bit versions are acceptable.

Virtualisation

We appreciate that companies may have a desire to switch to a virtual platform or may already have done so. Delta has encountered a few instances of software problems within virtual environments that did not occur on a true hardware platform. Although Delta do use Microsoft Virtual Server for our own testing environments, we cannot at this time completely support the use of virtual environments for hosting live 'Delta Module Manager' solutions.

If the issues being experienced are unfamiliar to us and we cannot replicate these on a Delta Microsoft Virtual machine or on a true hardware platform, then the onus will be on the client to resolve the problem with their virtual support provider.

Installation Package Download

Before starting to use this guide, you must be in possession of the installation package.

Note: This may already be available through a share on your network.

If you do not already have the package then you will be sent an email containing a link to our secure File Transfer System (FTS).

Note: If you have not received an FTS activation email, please contact Delta Support on 0333 600 6003.

Once you have downloaded the installation package, unzip this folder into a location accessible to the installation workstation.

Note: This location will hereafter be referred to as the '*datadrive*'.

Chapter 1 - DMM Installation (Client)

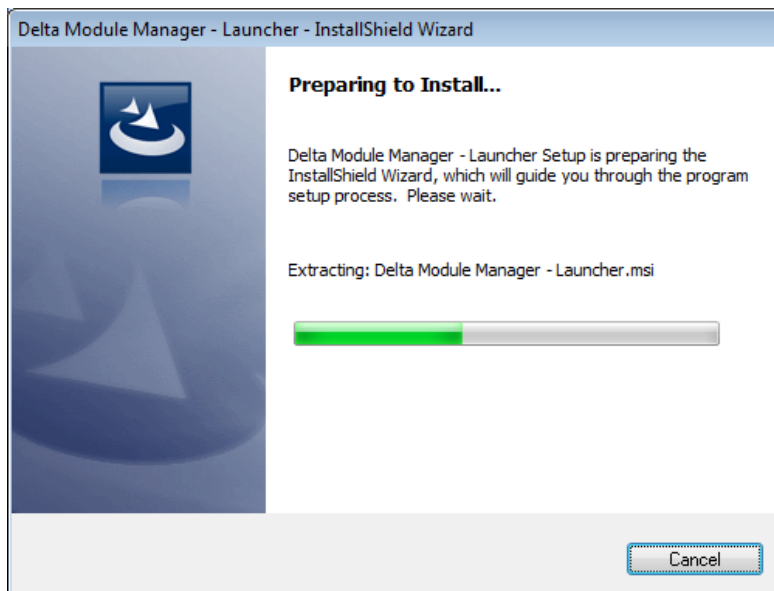
It is assumed that the machine on which the DMM is to be installed does not currently have an existing installation.

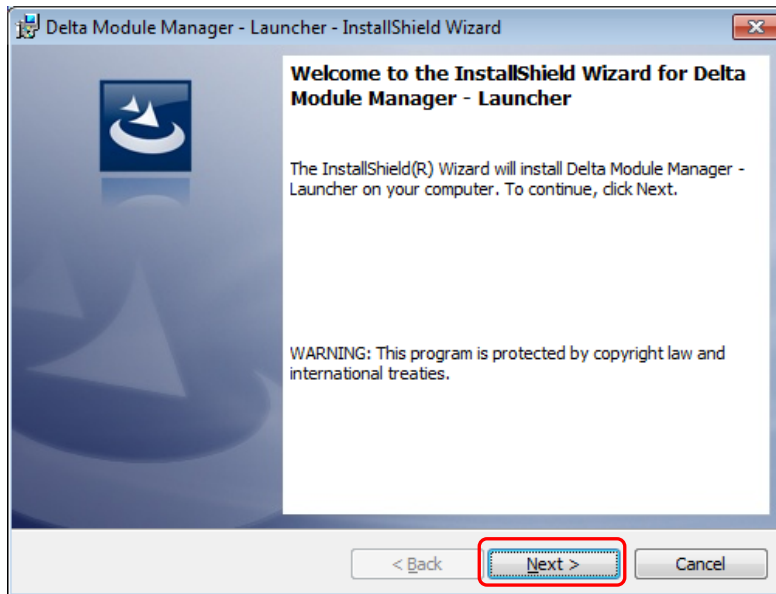
Step 1: Run Setup

- i. Log in as an administrator.
- ii. Depending on your operating system, run the setup using the following method:
 - **Windows 7, 8, 10** - Right-click on 'DMM Launcher.exe' and select '**Run as administrator**' from the menu.
 - **Windows Server 2008 (Terminal Services)** – Use 'Add or Remove Programs' in the Control Panel.
 - **Windows Remote Desktop Services (2008 R2 SP1 and above)** – Use 'Install Application on Remote Desktop Server' in the Control Panel

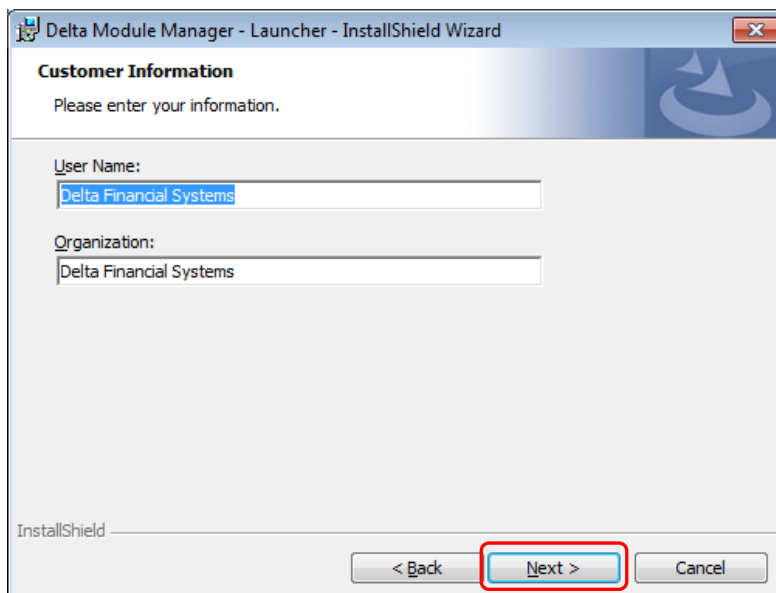
Note: You may receive a 'User Access Control' message, if so then click 'Yes' to continue.

Note: **Windows 2008 R2 requires .Net 3.5 which is not installed by default.**





iii. Click on **'Next'** to continue.



iv. Enter your credentials and click on **'Next'** to continue.

Step 2: Destination Folder

The installation location will vary depending on the architecture of the PC hardware you use and it is **important** to get this right.

Note: By default, the following locations are used based on the hardware type:

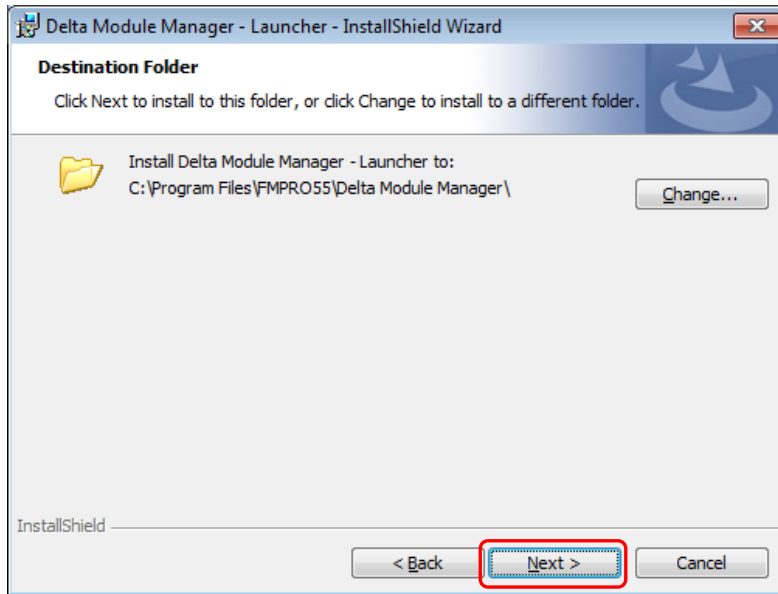
- **32-bit client:** 'C:\Program Files\FMPro55\Delta Module Manager'
- **64-bit client:** 'C:\Program Files (x86)\FMPro55\Delta Module Manager'

The existing makeup of your whole environment, and not just that of one PC, will determine which destination path to choose in the next step as follows:

- **All 32-bit Environment** – Go to Step 2a
- **All 64-bit Environment** – Go to Step 2b
- **Mixed Environment** – Go to Step 2c

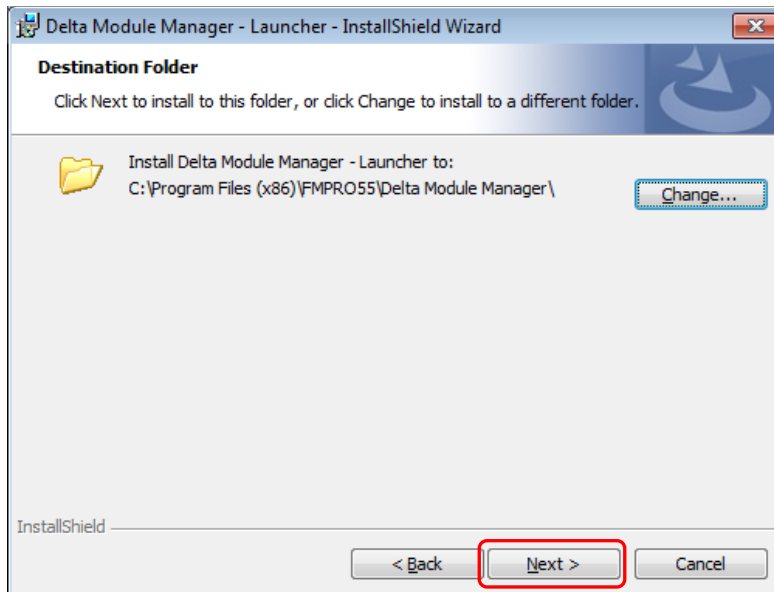
Note: If you currently have a pure 32-bit environment and DO NOT currently use the Delta Module Manager, we would recommend using the 64-bit path as a future proof against reinstalling SIPP~Pro and/or SSAS~Pro if you then later introduce a 64-bit PC.

Step 2a: 32-bit



- i. Click '**Next**' to continue and move on to '**Step 3**'.

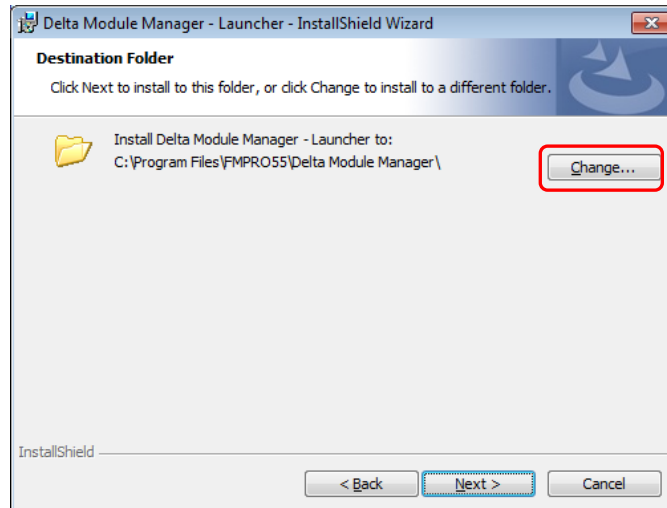
Step 2b: 64-bit



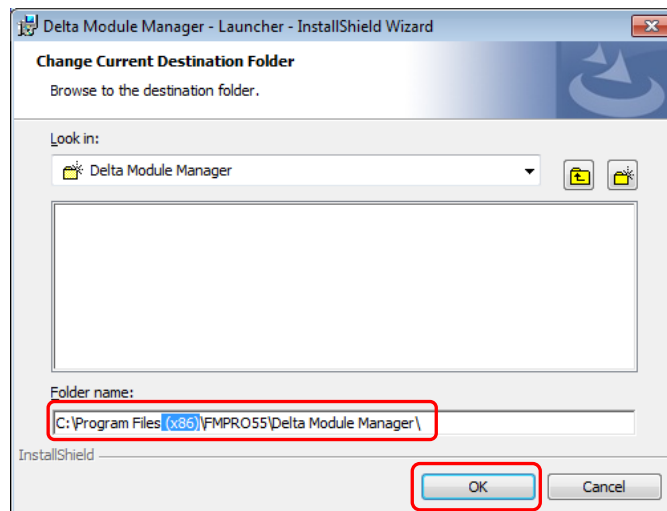
- i. Click '**Next**' to continue and move on to '**Step 3**'.



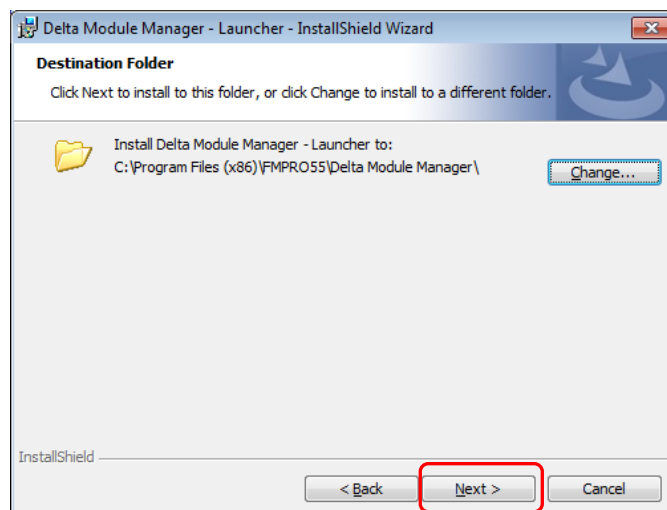
Step 2c: Mixed



- i. Click the 'Change' button.

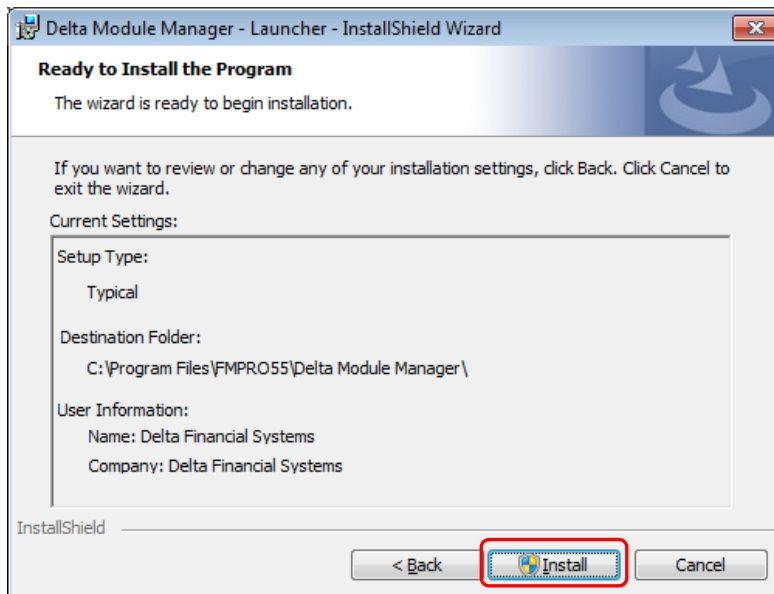


- ii. Change the 'Folder name' path to 'C:\Program Files (x86)\FMPro55\Delta Module Manager'.
- iii. Click 'OK' to continue.



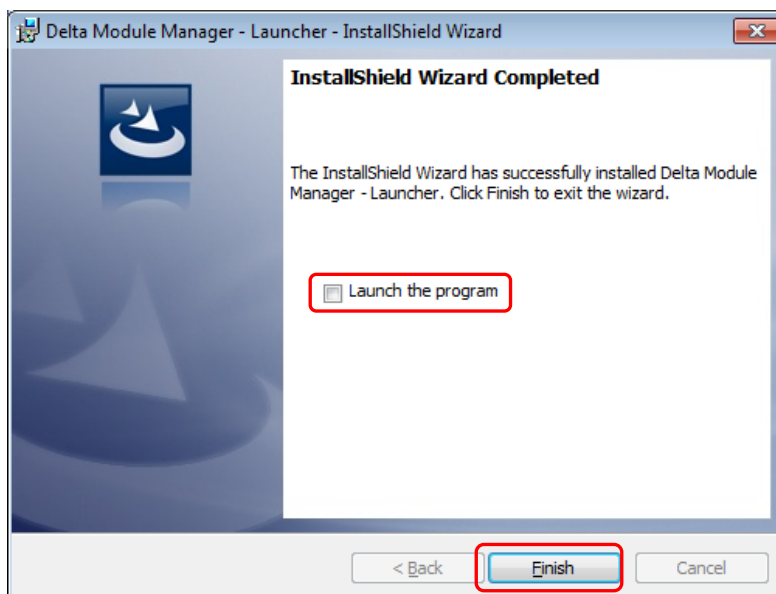
- iv. Click 'Next' to continue and move on to 'Step 3'.

Step 3: Ready to Install



- i. Click on **'Install'**.

Note: You may receive a 'User Access Control' message, if so then click 'Yes' to continue.



- ii. Un-tick the **'Launch the program'** tick box
- iii. Click on the **'Finish'** button.

Step 4: Completion

Once you finish the installation, you should see a 'Delta Module Manager' icon on the desktop.

Chapter 2 - Configuration

Before launching the Delta Module Manager some further configuration is required.

Note: This can be avoided by importing a preconfigured file from another working installation of the DMM Launcher.

Pre-configured Settings

If you are already in possession of the file '**Connection.xml**' then it can be copied to the DMM installation directory prior to launching the application.

Note: Having this file in place already will allow you to skip forward to 'Chapter 3 - Login' otherwise, continue to 'Manual Configuration' below.

Manual Configuration

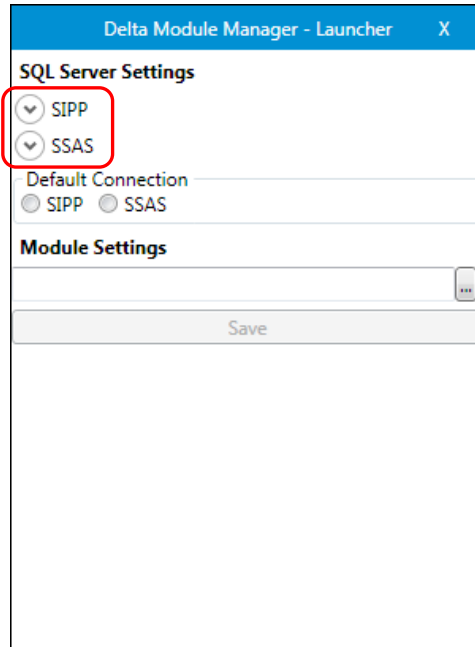
When the DMM is launched for the first time, you are presented with the opportunity to configure the database connection strings which then form the file '**Connection.xml**'.

Note: If you ever need to recreate the following settings, hold down the 'Shift' key when launching the DMM.

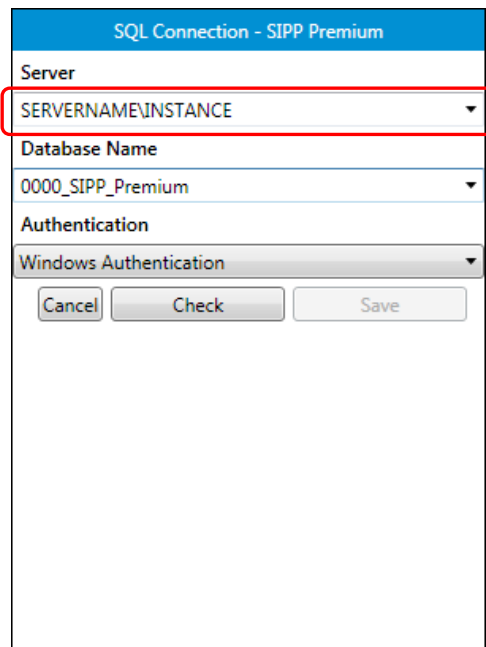
SQL Server Settings

- i. Launch the 'Delta Module Manager' by holding the 'Shift' key, right-clicking the desktop icon and selecting '**Run as administrator**'.

Note: You should now be presented with the configuration window below however it may have opened in the background.



- ii. Select one of the down arrows next to either 'SIPP' or 'SSAS'.
- iii. Click the '**Set**' button for the 'Premium' field.



- iv. In the '**Server**' field either:

- Manually enter the database location; OR
- Click the drop down menu and select your SQL server from the list.

v. Verify that the '**Database Name**' field is correct.

Note: Some clients may have renamed their databases away from the default.

- vi. Click the '**Check**' button.
- vii. Click the '**Save**' button (if available).

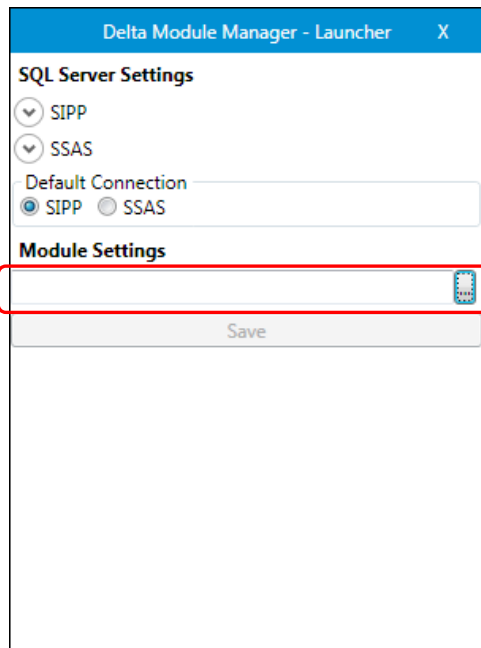
Note: The 'Save' button will remain greyed out if the SQL server instance and database selected cannot be contacted for any reason (suggested causes and resolutions can be found in the troubleshooting guide).

- viii. Repeat the above steps for the remaining databases.
- ix. Select a '**Default Connection**' radio button (as applicable).

Module Settings (Licence)

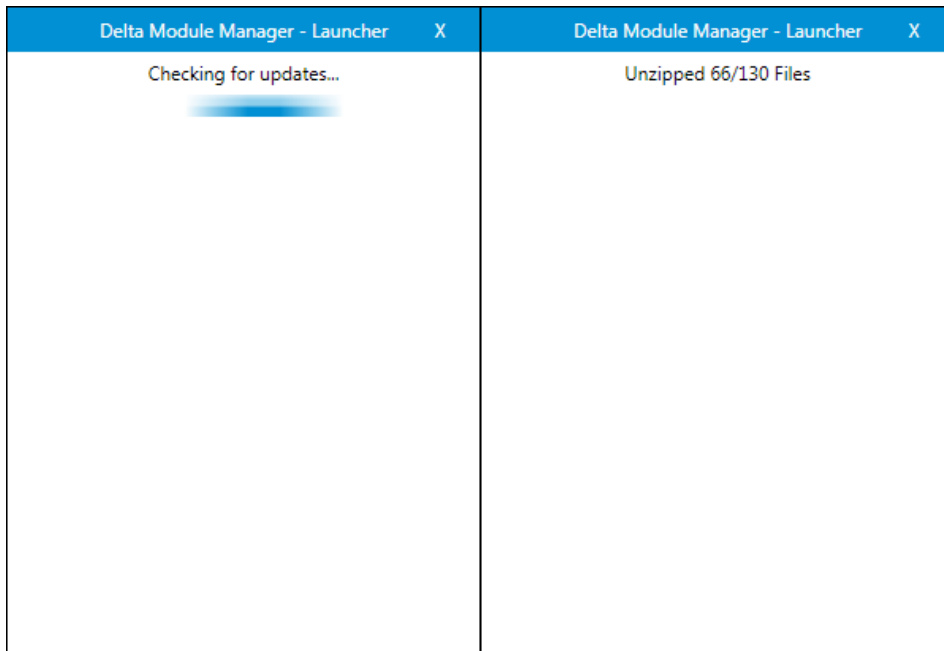
Delta will have supplied you with a 'ModuleSettings.xml'.

Note: If you cannot locate the file and this is not an upgrade then you can take a copy from another existing installation of the DMM Launcher.



- x. Select the '...' button at the end of the 'Module Settings' field.
- xi. Navigate to the location of the 'ModuleSettings.xml' file supplied.
- xii. Click the '**Save**' button to finish.

The following window(s) will now temporarily appear:



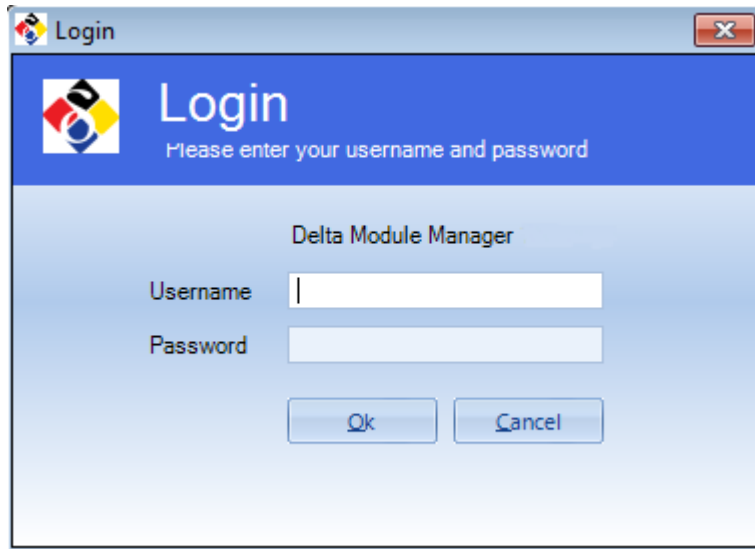
You will now be presented with one of two screens:

1. The DMM application will fully load after automatically authenticating your account.
2. The login screen will be displayed as shown in the next chapter.

Note: These differing options will depend on how your Delta Module Manager users and groups are currently configured.

Chapter 3 - Login

Providing that the configuration file (connection.xml) is set correctly, the following screen should be presented when launching the DMM:



Note: If this is the first time the DMM has been launched then you will need to right-click and select '**Run as administrator**' when launching.

- i. Login using your credentials.

Notes:

- The default credentials can be supplied by contacting Delta but may have been changed by your administrator.
- Logons can be disabled by ticking the checkbox 'Ignore Login Screen' in the menu (Admin > User Settings).
- Instructions on configuring Usernames and Groups are detailed in a separate guide.
- Before logging in to the DMM, please ensure that the Active Directory login to be used has been added to the security group previously created during the Report~Pro installation.
- Before running the DMM application for the first time, please ensure that the SQL Import job has successfully completed for SIPP~Pro and/or SSAS~Pro. If this fails, no data will be available in the DMM.

Chapter 4 - Additional Installation Tasks

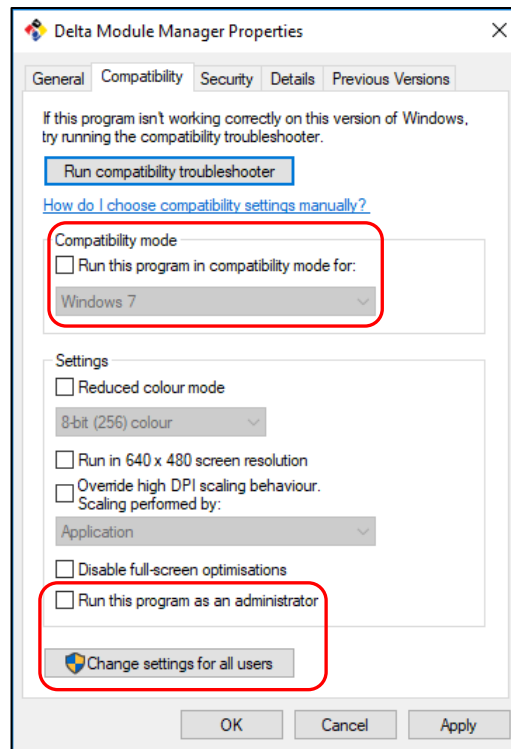
Depending on your operating system, there are now some extra tasks required in order for the application to function properly.

Step 1: Compatibility

Due to some issues that can be encountered on newer operating systems it is advisable to set FileMaker into compatibility mode.

Due to some issues that can be encountered on newer operating systems it is advisable to set the Delta Module Manager into compatibility mode.

- i. Navigate to '*installdrive:\...\FMPro55\Delta Module Manager*', right click on '**Delta Module Manager.exe**' and Select '**Properties**'.
- ii. Select the '**Compatibility**' tab.



- iii. Tick the checkbox '**Run this program as an administrator**'.
- iv. Tick the checkbox '**Run this program in compatibility mode for:**'.
- v. Select from the dropdown menu the appropriate operating system stated below (based on the system you are running the application from):

Microsoft Windows 8, 7 and Remote Desktop Services 2008

- o 'Windows XP (Service Pack 3)'

Microsoft Windows 10

- o 'Windows 7'

Note: If you require these settings to be available to anyone who logs on to this machine then first select the '**Change settings for all users**' button and then select the tick boxes above.

Step 2: Security Permissions

- i. Set **'modify'** permissions on the **'Delta Module Manager'** folder for either of the following groups:

'computername\Users' **and/or** *'domainname\Domain Users'*

Note: This is the minimum level of permission required.

Chapter 5 - DMM Installation (Server)

It is only necessary to install the DMM on a server if you use any of the server modules as follows:

- SIPP~Web Transfer
- CoFunds Download
- Financial Express Download
- FTP Upload
- Event Monitor
- Scheduled Reports

Note: There is no harm installing the DMM for general administration purposes, even if you do not have any of the above modules.

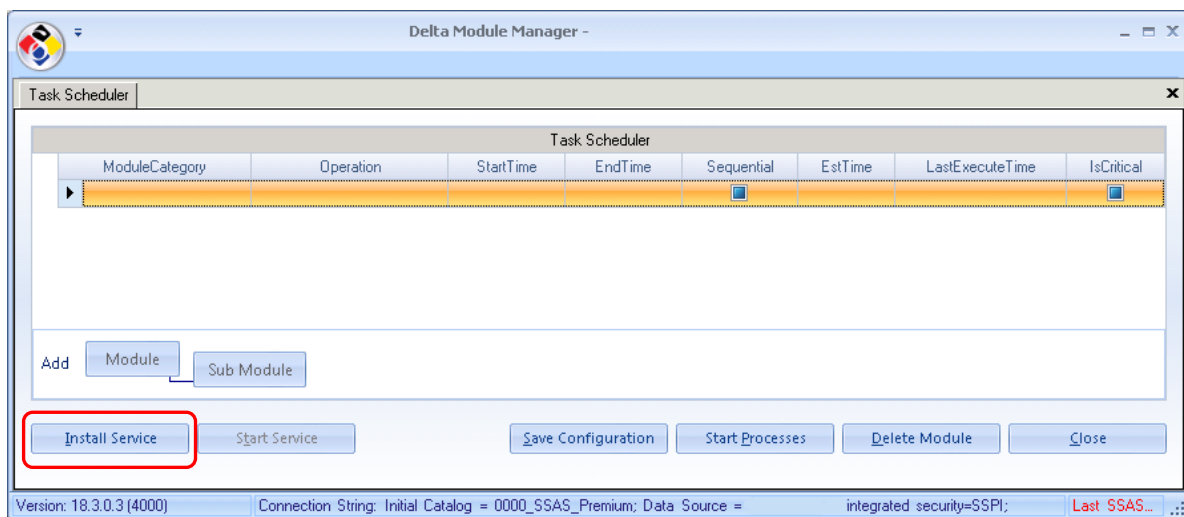
The process for installing the DMM on a server is the same as that for a client however some additional configuration may be required as follows below.

DMM Service

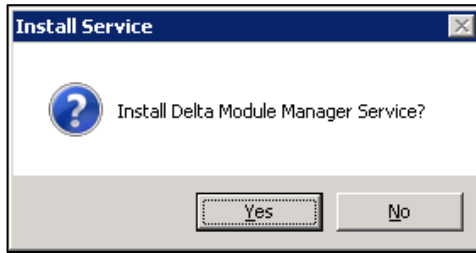
In order for any of the above server modules to operate autonomously the Delta Module Manager needs to be installed as a service.

Installation

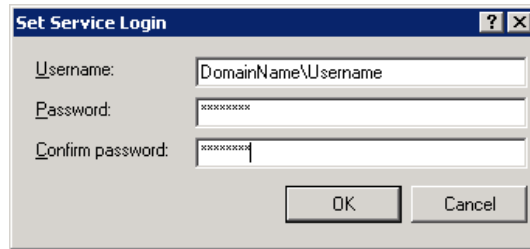
- Open the DMM and select '**Modules > Task Scheduler**'.



- Click '**Install Service**' button.



- iii. Click 'Yes'.



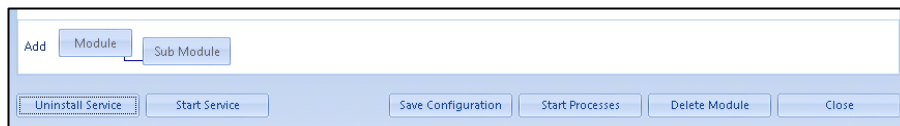
- iv. Enter domain credentials with sufficient privileges to install a service.

Note: These credentials should ideally be a service account to avoid future password changes disabling the service.

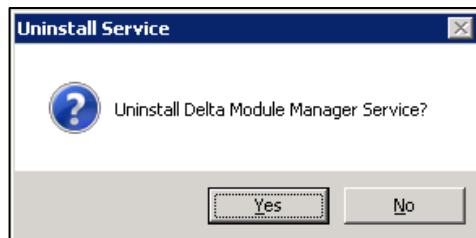
- v. The service will have been installed 'offline' and will require starting using the 'Start Process' button or via the Windows services snap-in.

Uninstallation

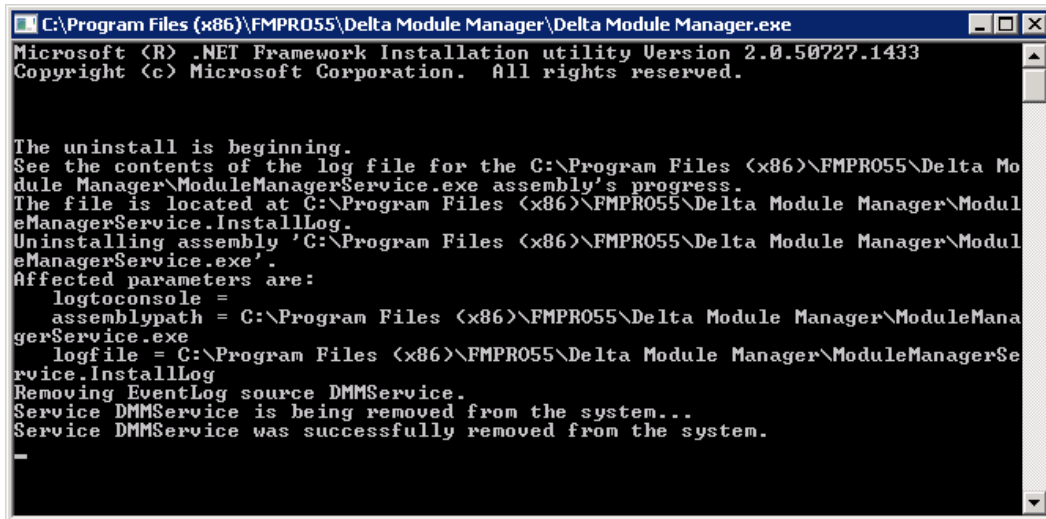
- vi. Open the DMM and select 'Modules > Task Scheduler'.



- vii. Click 'Uninstall Service' button.



- viii. Click 'Yes'.



```
C:\Program Files (x86)\FMPRO55\Delta Module Manager\Delta Module Manager.exe
Microsoft (R) .NET Framework Installation utility Version 2.0.50727.1433
Copyright (c) Microsoft Corporation. All rights reserved.

The uninstall is beginning.
See the contents of the log file for the C:\Program Files (x86)\FMPRO55\Delta Mo
dule Manager\ModuleManagerService.exe assembly's progress.
The file is located at C:\Program Files (x86)\FMPRO55\Delta Module Manager\Modul
eManagerService.InstallLog.
Uninstalling assembly 'C:\Program Files (x86)\FMPRO55\Delta Module Manager\Modul
eManagerService.exe'.
Affected parameters are:
  logtoconsole =
  assemblypath = C:\Program Files (x86)\FMPRO55\Delta Module Manager\ModuleMana
gerService.exe
  logfile = C:\Program Files (x86)\FMPRO55\Delta Module Manager\ModuleManagerSe
rvice.InstallLog
Removing EventLog source DMMService.
Service DMMService is being removed from the system...
Service DMMService was successfully removed from the system.
-
```

- ix. A command window will flash up as above and once it has disappeared the uninstallation should be complete.

Financial Express

If your organisation uses the Financial Express data feed then it is necessary to perform the following tasks:

Visual Basic 5

- i. Run the installer from '*datadrive:\...\VB5*'.

Dynamic Link Library Registration

- ii. Run the following command (run as administrator):

REGSVR32 "C:\Program Files (x86)\FMPRO55\Delta Module Manager\finexdec.dll"

Note: Edit folder path above to reflect your own environmental setup.

Chapter 6 - Uninstallation

Removing DMM Launcher from a Client

- i. Log in as an administrator.

Depending on your operating system, navigate to the 'Control Panel' and open the following icon:

- **Windows 7, 8, 10** – 'Programs and Features'

Note: You may receive a 'User Access Control' message, if so then click 'Yes' to continue.

- ii. Uninstall '**Delta Module Manager - Launcher**'.

Note: Prior to removal you may want to back up all the XML files in within the Delta Module Manager Installation folder to a safe location.

Note: For a complete uninstall you will need to delete the installation folder manually as this folder contains a number of XML configuration files that did not exist during the original installation.

Removing DMM Launcher from a Server

The process for removing the Delta Module Manager application from a server operating system is much the same as for client operating systems except if you have the **Delta Module Manager Service** installed.

If you have the DMM Service installed:

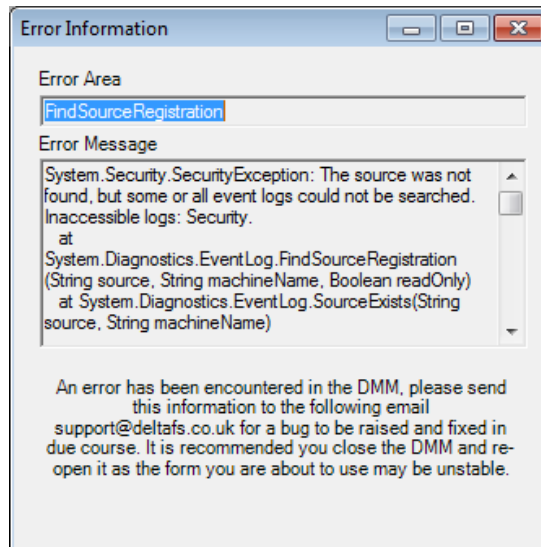
- i. Stop and disable the 'Delta Module Manager Service' (**Control Panel > Administrative Tools > Services**).
- ii. Uninstall the DMM application as previously described.

Chapter 7 - Troubleshooting

Application Launching Issues

1. Error Message: 'FindSourceRegistration'

Problem: You try to launch the DMM and the following error appears.



Cause: The DMM needs its own category in Windows Event Viewer and this is not present.

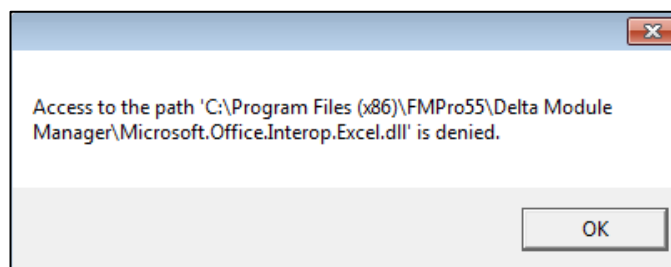
Resolution: The DMM needs to be run as an administrator at least once using one of the following methods:

1. Right-click on the Delta Module Manager executable and select 'Run as administrator'.
2. Right-click on the Delta Module Manager executable and select 'Properties'. Select the 'Compatibility' tab and tick the box 'Run this program as an administrator'.

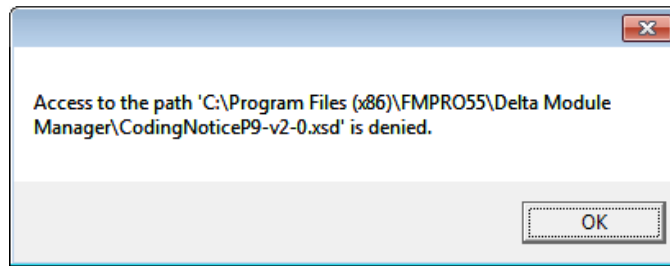
Note: Option 2 will remain in place and may not be necessary.

2. Error Message: 'Access to the path is denied'

Problem: You try to launch the DMM and one of the following errors appear.



OR



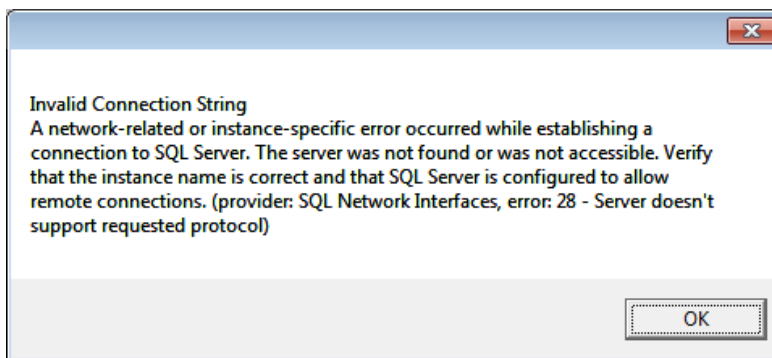
Cause: The logged on account does not have the required permissions.

Resolution: Grant this account (at least) **'modify'** permission to the Delta Module Manager installation folder (see chapter 4).

Note: Grant a 'Users' group this permission instead of one individual user to lower your administrative workload.

3. Error Message: 'Invalid Connection String Setting'

Problem: You try to launch the DMM and the following error appears.



Note: After pressing 'OK' the 'DMM Connection Strings' window appears.

Cause:

1. One or more of the connection strings is configured with the incorrect server name and/or database.
2. A firewall on the SQL server is blocking access to the database.
3. The Active Directory account which you are currently logged on to Windows with does not have permission to the Report~Pro database objects.

Resolution:

1. Check each connection string by clicking the 'Set' button.
2. If a firewall is active on the server then open inbound port 'TCP/1433'.
3. Add the Active Directory account to the security group previously created during the Report~Pro installation, typically called '*DomainName/DMMGroup*'.

4. Login Screen Appears then Disappears

Problem: You try to launch the application and the DMM 'login' screen appears for few seconds and then disappears.

Cause: Corrupt 'Connections.xml' file.

Resolution: Remove the 'connection.xml' file from the DMM folder (normally C:\Program Files (x86)\FMPro55\Delta Module Manager) and restart the Delta Module Manager from the desktop icon. You will then be prompted to set up the database connection strings.

5. Error Message: Logon Permissions

Problem: You receive a permissions error when attempting to open the DMM.

Cause: The Active Directory account which you are currently logged on to Windows with does not have permission to the Report~Pro database objects.

Resolution: Add the Active Directory account to the security group previously created during the Report~Pro installation, typically called '*DomainName/DMMGroup*'.

6. Error Message: 'Delta.DMM.Launcher.UI has stopped working'

Problem: When opening the Launcher on a Server operating system, you receive a dialog box with the message above.

Cause: .Net 3.51 is not installed

Resolution: Install .Net 3.51

Appendix 1 – Refreshing the Module Settings File (Licence)

If your business decide to trial and/or purchase new functionality for the Delta Module Manager then Delta will need to supply you with a new module settings file (modulesettings.xml).

While each client requires a local copy of this file to function, any replacement needs to be uploaded to the Report~Pro database first from where it is then automatically downloaded by each client upon launching the Delta Module Manager.

- i. To upload a new module settings file, follow the instructions on pages 12 – 14 of this guide.

Note: This process can be performed on ANY machine with Delta Module Manager Launcher installed.

Appendix 2 – SIPP~Pro and SSAS~Pro User Parameters

If you are installing the Delta Module Manager on a Windows machine in a mixed hardware environment (32/64-bit), then you will need to change the CVM module application path in SIPP~Pro and or SSAS~Pro.

Note: If you already have a mixed hardware environment then this setting may already be configured.

- The 'ClustCalc Path' needs to point to 'C:\Program Files (x86)\FMPRO55\Delta Module Manager\Delta Module Manager.exe" /DD' as shown below

Note: This change will result in any machine with the DMM installed in the plain 'Program Files' folder not being able to perform the CVM routine. The resolution to this would be to uninstall the DMM and reinstall it in to the 'Program Files (x86)' folder on any machine affected.

The screenshot shows the 'User Parameters' dialog box with several sections:

- General Data:** Includes fields for Global Tel No (020 84399), Curr/VAT Rate / Update All VAT (20.00), VAT Number, Tax Rate (20.0), Esq. Suffix?, Pre Y/E Days (42), WPType (Word), Navigation Help, P and C?, P and C Text, Consultant 1 Text (Consultant), UAT Warning? (No), BACS Days (3), Limit Tax Claims to Earnings/AA, Ask Bank Acc. / Inc. All Accs. (Yes/Yes), Ask Tran.Meth. / Future Dates (Yes/Yes), Bank Balance New Routine, Cancellation Rights Days (30), BACS Payroll, Exclude PCLS for PSD Type 24, Transaction Authorisation, Bulk Contributions, Use SIPP Name as Rent Payee, and Inc. Unpaid Tax Claims in CVM.
- File Locations:**
 - Templates:** Template Document, User Folder (X:\Daniel.Cuthe), Report-Pro Folder (C:\Program Files).
 - Bank Feeds:** Bank File Location (C:\).
 - Internal Feeds:** Internal File Location 1, 2, and 3 (all C:\).
 - Application Paths:** Web Connect Path, Report-Pro Path, and ClustCalc Path (highlighted with a red box). The ClustCalc Path is: "C:\Program Files (x86)\FMPRO55\Delta Module Manager\Delta Module Manager.exe" /DD
- Reports:** A table showing due dates for various reports.
- Payroll:** Future Clust. Pay. (Max. Years) (3), Authorisation Process / Limit (Yes/Yes), and Banking System.

	Due	Months		Due	Months
Evidence of Earnings	5	2	Pension Due	1	
Eligibility Certificate		2	Spouse's Deferral Date	2	
Anniversary of Joining	1		Expiry of Lease	6	
Proposed NRD	2		Rent Review Due	4	
Actual NRD	2		Insurance Expires	1	
75th Birthday	6		VAT Quarterly Returns	1	

