Installation Instructions

RLB AP/AR Remote File Upload

# Description

Windows console application to upload McKinstry AP/AR extract files to RLB remote FTP location. The application will send email notifications with attached extract file and log file to specified recipients. Notifications can be switched on and off. All application events are logged in specified log file and saved to the specified log folder. Uploads are also logged in a database. The application can be run on a schedule (Windows Task Scheduler) or run manually via the command line. If an exception occurs, the exception will be logged in the log file and [if notifications are turned on] an exception email will be sent with the attached log file to the specified email recipients.

If run from the command line, a required *Process* parameter must be passed (e.g. ‘AR’) to instruct the application which extract to produce. Running without parameters will result in application exit with the message “Missing command argument. 'AP' or 'AR' is required.”.

# Monitoring

Application activity is logged in configurable application log files and also in a database table (MCK\_INTEGRATION\ RLBRemoteUpload).

# Database Files Location (TFS)

$/ViewPoint/Integration/RetailLockBox/McKinstry.ViewpointImport/Database

# Solution Location (TFS)

$/ViewPoint/Integration/RetailLockBox/McKinstry.ViewpointImport

## Projects

$/ViewPoint/Integration/RetailLockBox/McKinstry.ViewpointImport/McKinstry.Viewpoint.RemoteFileUpload

$/ViewPoint/Integration/RetailLockBox/McKinstry.ViewpointImport/McKinstry.ViewpointImport.Common

## Application Database Objects (In Installation Order)

|  |  |  |  |
| --- | --- | --- | --- |
| **File** | **Name** | **Type** | **Description** |
| dbo.RLBRemoteUpload.sql | RLBRemoteUpload | Table | Creates RLBRemoteUpload table |
| mckvw\_Gen\_RLB\_Scripts\_20140129.sql | mvwRLBAPExport | View | Creates AP extract views |
| mckvw\_Gen\_RLB\_Scripts\_20140129.sql | mvwRLBARExport | View | Creates AR extract views |

## Application Installation Files

|  |  |
| --- | --- |
| **File** | **Description** |
| CommonSettings.config | Configuration file for common RLB Viewpoint assembly |
| EntityFramework.dll | Required Entity Framework assembly |
| EntityFramework.SqlServer.dll | Required Entity Framework SQL assembly |
| LINQtoCSV.dll | Required assembly for LINQtoCSV program |
| log4net.dll | Required assembly for log4net logging program |
| Logging.config | Required logging configuration file used by log4net logging program |
| McKinstry.Viewpoint.RemoteFileUpload.exe | Remote AR/AP File Upload program |
| McKinstry.Viewpoint.RemoteFileUpload.exe.config | Configuration file for Remote AR/AP File Upload program |
| McKinstry.ViewpointImport.Common.dll | Common assembly for Viewpoint RLB programs |
| WinSCP.exe | Required executable for WinSCP FTP program |
| WinSCPnet.dll | Required assembly for WinSCP FTP program |

## Local Settings (McKinstry.Viewpoint.RemoteFileUpload.exe.config)

|  |  |  |
| --- | --- | --- |
| **Setting** | **Description** | **Notes** |
| RemoteUploadPath | Sets remote FTP upload folder | Same for AP/AR processes |
| UploadFileName | Sets extract file name | See file for AP/AR settings |
| LogFilePath | Sets path where log files will be written |  |
| LogFileName | Sets log file name | All log files will be appended with date |
| SendNotificationEmail | Sets whether email notifications are sent |  |
| EmailSubject | Sets email notification subject |  |
| NoUploadEmailSubject | Sets email notification subject for no upload |  |
| FromEmail | Sets email notification from email | Single email |
| FromEmailDisplayName | Sets email notification from display name | Can be any text |
| ToEmail | Sets email notification to emails | Can be comma delimited |
| CcEmail | Sets email notification cc emails | Can be comma delimited. Can be blank. |

## Relevant Global Settings (CommonSettings.config)

|  |  |  |
| --- | --- | --- |
| **Setting** | **Description** | **Notes** |
| MailSmtpHost | Sets STMTP server for email notifications |  |
| RlbHostName | Sets host name for RLB FTP server |  |
| RlbUserName | Sets user name for RLB FTP server |  |
| RlbPassword | Sets password for RLB FTP server |  |
| RlbHostkeyFingerprint | Sets security string for RLB FTP server |  |
| MckIntegrationConnectionString | Sets the connection to Integration database | Change data source per environment |
| ViewpointConnectionString | Sets the connection to Viewpoint database | Change data source per environment |

## Installing Database Objects

1. Get database files from TFS
2. Open connection to database using SQL Server Management Studio
3. Run SQL scripts in above Database Objects table in the specified order

## Installing Application

1. Create installation folder(s) for AP/AR instances of application.
   1. e.g. C:\Scripts\RetailLockBox\APRemoteFileUpload
   2. e.g. C:\Scripts\RetailLockBox\ARRemoteFileUpload
2. Get Solution from TFS and build
   1. Output files will be found in build output folder (debug or release)
      1. Debug: ..\McKinstry.Viewpoint.RemoteFileUpload\bin\Debug
      2. Release: ..\McKinstry.Viewpoint.RemoteFileUpload\bin\Release
3. Copy Installation Files (above table) to Installation Folder(s)
4. Change the Application Settings for each instance
   1. Open the settings file ‘McKinstry.Viewpoint.RemoteFileUpload.exe.config’ in text editor.
   2. Ensure the settings (above table) are set
   3. Open the settings file ‘CommonSettings.config’ in text editor
   4. Ensure the settings (above table) are set

## Running Application

Command Line

1. Open a command prompt and change directory to the installation location
   1. (e.g. C:\Scripts\RetailLockBox\ARRemoteFileUpload>)
2. Run the application
   1. Run command (e.g. McKinstry.Viewpoint.RemoteFileUpload.exe “AR”)

Windows Scheduled Task

For information on creating and scheduling tasks with Windows Task Scheduler, see:

<https://technet.microsoft.com/en-us/library/cc766428.aspx>