Installation Instructions

RLB AP/AR Remote File Download

# Description

Windows console application to fetch latest download file(s) from RLB remote FTP location. The number of files to fetch can be set in the application settings. The application will send email notifications with attached 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. Downloads are also logged in a database. Users will be alerted as to whether the downloaded files have been downloaded previously. 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, an optional *FileName* parameter can be passed (e.g. ‘McKinstryRLBAP\_20150317.zip’) to download a specific file from the remote FTP location, if it exists. Running without parameters will fetch the latest number of specified download files.

# Monitoring

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

# 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.RemoteFileDownload

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

## Application Database Objects (In Installation Order)

|  |  |  |
| --- | --- | --- |
| **File** | **Type** | **Description** |
| dbo.RLBRemoteDownload.sql | Table | Creates RLBRemoteDownload table |

## 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.RemoteFileDownload.exe | Remote AR/AP File Download program |
| McKinstry.Viewpoint.RemoteFileDownload.exe.config | Configuration file for Remote AR/AP File Download 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.RemoteFileDownload.exe.config)

|  |  |  |
| --- | --- | --- |
| **Setting** | **Description** | **Notes** |
| RemoteDownloadPath | Sets remote FTP folder from which to fetch files | See file for AP/AR settings for RLB |
| LocalDownloadPath | Sets where files are downloaded | Path will be created if doesn’t exist |
| DownloadFileCount | Sets how many files to retrieve |  |
| 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 |  |
| NoDownloadEmailSubject | Sets email notification subject for no download |  |
| 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** |
| RlbDownloadFileDrop | Sets file drop for users to upload files to VP | Used in email notification to users. |
| 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\APRemoteFileDownload
   2. e.g. C:\Scripts\RetailLockBox\ARRemoteFileDownload
2. Get Solution from TFS and build
   1. Output files will be found in build output folder (debug or release)
      1. Debug: ..\McKinstry.Viewpoint.RemoteFileDownload\bin\Debug
      2. Release: ..\McKinstry.Viewpoint.RemoteFileDownload\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.RemoteFileDownload.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\APRemoteFileDownload>)
2. Run the application
   1. Run command (e.g. McKinstry.Viewpoint.RemoteFileDownload.exe)
   2. Optional parameter for specific download file: (e.g. McKinstry.Viewpoint.RemoteFileDownload.exe “McKinstryRLBAP\_20150317.zip”)

Windows Scheduled Task

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

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