Installation Instructions

Viewpoint Attachment Utility

# Description

Windows console application to record Viewpoint attachment file information in the integration database to support attachment queries. 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. ‘FullFileRefresh’) to instruct the application which attachment process to execute. Running without parameters will result in application exit with the message “Missing command argument. Process is required: FullFileRefresh/PartialFileRefresh/MissingAttachments.”.

The program currently executes with three command arguments:

* **FullFileRefresh**
* **PartialFileRefresh**
* **MissingAttachments**

### File Refresh

The file refresh process logs production and staging (or just production) attachment file details in integration (MCK\_INTEGRATION) database table ViewpointAttachFiles.

**Full File Refresh**

Performs a complete attachment file refresh. The table is truncated as part of the process.

**Partial File Refresh**

Performs a partial attachment file refresh. Files added to the file system since last job run will be recorded.

### Missing Attachments

The missing attachments process logs missing HQAT attachment file details (files in Viewpoint that don’t have a file on the file system) in integration (MCK\_INTEGRATION) database table MissingAttachments. The table is truncated as part of the process.

# 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.AttachmentUtility

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

## Application Database Objects (In Installation Order)

|  |  |  |  |
| --- | --- | --- | --- |
| **File** | **Name** | **Type** | **Description** |
| dbo.ViewpointAttachFiles.sql | ViewpointAttachFiles | Table | Creates ViewpointAttachFiles table |
| dbo.MissingAttachments.sql | MissingAttachments | Table | Creates MissingAttachments 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.AttachmentUtility.exe | Viewpoint Attachment Utility program |
| McKinstry.Viewpoint.AttachmentUtility.exe.config | Configuration file for Viewpoint Attachment Utility 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.AttachmentUtility.exe.config)

|  |  |  |
| --- | --- | --- |
| **Setting** | **Description** | **Notes** |
| ProductionAttachmentDirectory | Sets root path for production file queries |  |
| StagingAttachmentDirectory | Sets root path for staging file queries |  |
| IncludeStagingDirectory | Sets whether to include staging files in query |  |
| LogFileFolderLocation | 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 |  |
| 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 |  |
| 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 for application.
   1. e.g. C:\Scripts\RetailLockBox\AttachmentUtility
2. Get Solution from TFS and build
   1. Output files will be found in build output folder (debug or release)
      1. Debug: ..\McKinstry.Viewpoint.AttachmentUtility \bin\Debug
      2. Release: ..\McKinstry.Viewpoint.AttachmentUtility \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.AttachmentUtility.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\AttachmentUtility>)
2. Run the application
   1. Run command (e.g. McKinstry.Viewpoint.AttachmentUtility.exe “MissingAttachments”)

Windows Scheduled Task

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

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