25Live Interface Manual

Contents

Description

This document describes the 25Live Interface.

The 25Live Interface is a Web Services, PowerShell scripts and upload tool for transferring scheduling data from colleges to the 25Live site.

The tool was originally developed by Bellevue College and 25Live staff, including:

- Smruthi Madhugiri *(Bellevue College)*
- Tripti Sharma *(Bellevue College)*
- Series Support *(25Live)*
- Jonathan Windle *(Bellevue College)*

published at site GitHub:

    https://github.com/ctcdev/25Live

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An upgraded version is currently being worked on/published by:

- David Mielcarek *(Lower Columbia College)*
- David Schieber *(Renton Technical College)*

published at site GitHub:

> https://github.com/dmielcarek/25Live

Brief on differences between the original (ctcDev) and the upgraded (dmielcarek):

- Logging
- Screen Output capture/logging
- Corrected SQL procedure (usp_25LiveDataInFiles.sql)
- Variable typo correction
- Web.config restructure/organize
- Error control
- Flags to control output/actions
- Stabilizing archiving logic
- New SQL procedure (usp_25LiveHeadcountFile.sql)
- HeadCount file creation

Installation

- download the Repository from Github
- create an Application Pool on your IIS web server
- copy the sub-folder '25Live' to your web server
- change the folder into an Application, through IIS
- copy web.config-template to the '25Live' IIS folder
- rename web.config-template in the '25Live' folder to web.config
- modify the web.config Key/Values (as needed, see Web.Config Keys/Values section)
- install both SQL USP script onto your ODS database, i.e.:
  - usp_25LiveDataInFile.sql
  - usp_25LiveHeadcountFile.sql
- install the scheduling script (see Scheduling Script section)

Web.Config Keys/Values

Note: only the Keys/Values that 'may' need modification are included.

25LiveUSP *(mandatory)(one per Web.config File)*

> Name of the SQL USP that will produce data for the 'datain' file. This will almost always be 'usp_25LiveDataInFile'.

> **Syntax**
> ```
> <add key="25LiveUSP" value="[USP]" />
> ```

> **Example**
> ```
> <add key="25LiveUSP" value="usp_25LiveDataInFile" />
> ```

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25LiveUSPHeadCount *(optional)(one per Web.config File)*

Name of the SQL USP that will produce data for the 'headcount' file. This will almost always be 'usp_25LiveHeadCountFile'.

Syntax
```
<add key="25LiveUSPHeadCount" value="[USP]" />
```

Example
```
<add key="25LiveUSPHeadCount" value="usp_25LiveHeadCountFile" />
```

FilePath *(mandatory)(one per Web.config File)*

Location where the 'datain' file(s) will be created.

Syntax
```
<add key="FilePath" value="[path]\" />
```

Example
```
<add key="FilePath" value="C:\25LiveData\" />
```

ArchivePath *(optional)(one per Web.config File)*

Location where archive files will be created. If a 'datain' or 'headcount' file already exists, it will be copied to this location.

Syntax
```
<add key="ArchivePath" value="[path]" />
```

Example
```
<add key="ArchivePath" value="C:\25LiveData\archives\" />
```

lccLogPath *(optional)(one per Web.config File)*

Location where logs will be recorded. Log filename(s) will have the date+".txt" post-pended automatically.

Syntax
```
<add key="lccLogPath" value="[path]" />
```

Example
```
<add key="lccLogPath" value="C:\25LiveData\logs\25LiveLog" />
```

lccIdTranslationsPath *(optional)(one per Web.config File)*

If provided the Id Translation file at the path will be used to auto translate Ids (i.e. from SMS to PeopleSoft Ids).

Syntax
```
<add key="lccIdTranslationsPath" value="[path\file]" />
```

Example
```
<add key="lccIdTranslationsPath" value="C:\25LiveData\IdTranslations.txt" />
```

Id Translation File Record(s) Syntax

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[old id] [tab] [new id]

Id Translation File Records Example
<pre>
SCI 102   LCSCI0102
GYM 341   LCGYM0341
</pre>

lccDebugIP *(optional)(one per Web.config File)*

If provided and matches the IP of the viewer's machine, debug information will show on the browser window.

Syntax
```
<add key="lccDebugIP" value="[IP]" />
```

Example
```
<add key="lccDebugIP" value="123.123.123.123" />
```

lccLogLevels *(optional)(one per Web.config File)*

If provided, logging will occur at the levels defined. Some levels (like errors) will log always. If more than one level defined, separate by commas. See the Web.config for definition of each level.

Syntax
```
<add key="lccLogLevels" value="[levels]" />
```

Example
```
<add key="lccLogLevels" value="1,2,3,7,8,9,10,12,13,14,16,27,28,31" />
```

ConnectionString *(mandatory)(one per Web.config File)*

Defines the SQL connection string. Normally only the 'Data Source' (Server) will need to be changed.

Syntax
```
<add name="ClassDal" connectionString="Data Source=[...];Initial
Catalog=ODS;Integrated Security=True" providerName="System.Data.SqlClient" />
```

Example
```
<add name="ClassDal" connectionString="Data Source=ourServer.edu;Initial
Catalog=ODS;Integrated Security=True" providerName="System.Data.SqlClient" />
```

Scheduling Script

Details

The script performs the following actions:
- calls the URL of the Web Service to have it create a 'datain' file
- (optional) emails pass/fail actions
- logs actions

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The PowerShell script:
>   TaskScheduler.ps1

is provided in the folder:
>   Scheduling

Steps

- Edit the script using the notes at the top of the script
- Following the 'Readme.txt' in the same folder to set-up a scheduled task

Definitions

datain (file) - room/scheduling file created by the Web Service for import into 25Live
headcount (file) - head count file created by the Web Service for import into 25Live
IIS - Internet Information Services (Microsoft web server)
ODS - Operational Data Storage
USP - User Stored Procedure (SQL)

Modifications

NAME	DATE	MODIFICATION
David Mielcarek	8/17/2015	Created

End of document

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