

Name of Solution:

Script: Download New Files From FTP Server

Business Requirement:

Script to copy only the files that are don't exist in the local folder, from FTP server.

Solution URL:

<https://community.informatica.com/solutions/3143>

Supported Versions:

Windows

Description:

The File Transfer Protocol (FTP) is a standard network protocol used to transfer computer files from one host to another host over a TCP-based network, such as the Internet.

In Informatica, FTP connection to transfer/move specific files from different environment into a source directory. The Integration Service can use FTP to access any machine, it can connect to, including mainframes.

When using FTP connection, the user has to specify the file name. But in many cases the name of the file is dynamic. One such scenario is where the session has to extract net new files from the FTP source, since the last run. The files already transferred are kept in the local directory.

This batch script connects to the FTP Server and transfers only those files which are not present in the local folder or only the new files.

This batch script performs the following steps

1. Creates a list of all the files on the FTP server.
2. Check whether each one of the file is present in the local directory.
3. FTP only those files which are not present in the local directory.

Download file contents:

1. Script

Steps to implement the solution:

1. Edit the script and provide the type of the files which you are downloading from the FTP server as shown below in quotation.

```
3 REM -- Define File Filter, i.e. files with extension .txt
4 Set FindStrArgs=/E /C:".gz"
```

2. Provide the location of the directory where the zip files need to be downloaded.



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```
7 Set zip_file_loc=E:\Informatica\9.6.1\server\infa_shared\SrcFiles\TARFILES\
```

3. Provide the Path of the directory to develop the '.FTP' script where the script will be developed to connect to FTP server and download only the new files.

```
REM add "ls" command to ftp script
Call:extractFileSection "[Ftp Script 1]" "-">"E:\temp\%~n0.ftp"
Rem Notepad "E:\temp\%~n0.ftp"
```

4. The Following part of the script will list all the files in the FTP server.

```
16 REM -- create list of File Names in FTP directory in "FileList" separated by space
17 Set "FileList="
18 For /F "Delims=" %%A In ('"Ftp -v -i -s:"E:\temp\%~n0.ftp"|Findstr %FindStrArgs%') Do (
19     Call Set "FileList=%%FileList%% "%%A""
```

5. The following part of the script will check for the existing files in the local directory. Also, It generates the 'get' statements with file name to copy the files which are not present in the local directory, from FTP server.

```
22 REM -- create mget command with files that don't exist in local folder
23 Set "FtpCommand=mget"
24 For %%A In (%FileList%) Do If Not Exist %zip_file_loc% "%%A" Call Set "FtpCommand=%%FtpCommand%% "%%A"
25
26 echo %FtpCommand%
27
28 REM add mget commands to ftp script
29 Call:extractFileSection "[Ftp Script 1]" "-">"E:\temp\%~n0.ftp"
30 Rem Notepad "E:\temp\%~n0.ftp"
```

6. The following part of the script will allow users to connect to FTP server and specify file transfer mode.

```
61 [Ftp Script 1]:S
62 !Title Connecting...
63 open ftp.example.com
64 username
65 password
66
67 !Title Preparing...
68 cd Market/
69 lcd E:\Informatica\9.6.1\server\infa_shared\SrcFiles\TARFILES
70 binary
71 hash
72
```

Diagram illustrating the script execution flow:

- FTP Server Name (points to line 63)
- Username (points to line 64)
- Password (points to line 65)
- Directory in FTP (points to line 68)
- Local Directory (points to line 69)
- File Transfer Mode (points to line 70)

7. Execute the script and observe the execution. Files will be copied to target directory.

YouTube Video on Importing and Configuring Workflows:

<http://www.youtube.com/playlist?list=PLLRreK2jjigWBQ4NPfp0QWTxYDvInEqSJ>



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