

Directory: C:\Append TimeStamp

[How to append time stamp to the the filename while archiving the file \(microsoft.com\)](#)

# How to append time stamp to the the filename while archiving the file

[Archived Forums 361-380](#)

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[SQL Server Integration Services](#)

- Question

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0

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Hello,

I was trying to do append time stamp to the the filename while archiving the file. I am trying thie expression in variable.

```
@[User::VarArchiveFolder]+ Replace(Replace(Replace(Replace(
@[User::VarFileName], ".", "_" + Substring((DT_WSTR,50) GETDATE(),1,19)+".", "-",""), ":" , "" ), " ", "_")
+(DT_WSTR,4)YEAR(@[System::StartTime]) + "-"
+ RIGHT("0" + (DT_WSTR,2)MONTH(@[System::StartTime]), 2) + "-"
+ RIGHT("0" + (DT_WSTR,2)DAY( @[System::StartTime]), 2) + "_"
+ RIGHT("0" + (DT_WSTR,2)DATEPART("hh", @[System::StartTime]), 2) + ""
+ RIGHT("0" + (DT_WSTR,2)DATEPART("mi", @[System::StartTime]), 2) + ""
+ RIGHT("0" + (DT_WSTR,2)DATEPART("ss", @[System::StartTime]), 2) + ""
+ RIGHT("00" + (DT_WSTR,3)DATEPART("ms", GETDATE()), 3)
```

But, It's failing and showing error message could not find part of the file. So, I changed file task operation move file to rename file. It's working now. But, my source file is .csv , the file is moving to archive like file (with changing filename). Is there away still move like .csv file ?

IsDestinationPathVariable,OverWriteDestination,IsSourcePathVariable all are set as True (FYI).

Please help me in this.

Thanks

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prabha

Monday, March 13, 2017 7:17 PM



Uppuluri

0 Points

## Answers



1





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Hi prabha,

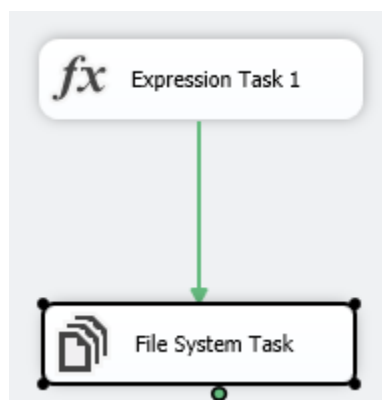
**>> But, my source file is .csv , the file is moving to archive like file (with changing filename). Is there away still move like .csv file ?**

If you want to move and rename the source file, please have a look at following settings.

### 1. Variables

 VarArchiveFolder	ComTaskTest	String	E:\SSISSource\Destination\
 VarDestinationFilePath	ComTaskTest	String	
 VarFileName	ComTaskTest	String	ABCD.csv
 VarSourceFilePath	ComTaskTest	String	E:\SSISSource\Source\ABCD.csv

### 2. Package settings



@[User::VarArchiveFolder] + Replace(Replace(Replace(@[User::VarFileName]  
,".", "\_"+Substring((DT\_WSTR,50) GETDATE(),1,19)+".",":", "")," ", "\_")

### 3. Expression Task

Expression:

```
@[User::VarDestinationFilePath] = @[User::VarArchiveFolder]+ Replace(Replace(Replace(Replace( @[User::VarFileName], ".", "_"+Substring((DT_WSTR,50) GETDATE(),1,19)+".",":", "")," ", "_")
```

Evaluated value:

E:\SSISSource\Destination\ABCD\_20170314\_152618.csv

Evaluate Expression OK Cancel

### 4. File System Task. Set property DelayValidation to True.

▼ Destination Connection

IsDestinationPathVariable	True
DestinationVariable	User::VarDestinationFilePath
OverwriteDestination	True

▼ General

Name	File System Task
Description	File System Task

▼ Operation

Operation	Rename file
-----------	-------------

▼ Source Connection

IsSourcePathVariable	True
SourceVariable	User::VarSourceFilePath

File System Task

Properties

File System Task: Task

Execution

DelayValidation	True
Disable	False

5. Result. After running, the "abcd.csv" in Source would be moved to Destination and renamed with time stamp.

This PC > System (E:) > SSISSource > Source				
Name	Date modified	Type	Size	
abcd.csv	2017-03-14 3:24 PM	Microsoft Excel C...	0 KB	
[REDACTED]	2017-03-13 6:06 PM	Microsoft Excel W...	11 KB	

This PC > System (E:) > SSISSource > Destination				
Name	Date modified	Type	Size	
ABCD_20170314_153105.csv	2017-03-14 3:24 PM	Microsoft Excel C...	0 KB	

In your case, since it's not clear how do define the two variables, if I directly use your above expression with my above variables, it would return following result which is not a right value. So, in your case, if you want to keep the archived file has .csv extension name, you'd better remove the last 7 lines which're related to the system variable "System::StartTime".

Expression:

```

@[User::VarArchiveFolder]+ Replace(Replace(Replace(Replace( @[User::VarFileName],",", "_" + Substring((DT_WSTR,50)
GETDATE(),1,19)+".", "-",""),":","")," ","_")
+ (DT_WSTR,4)YEAR(@[System::StartTime]) + "-"
+ RIGHT("0" + (DT_WSTR,2)MONTH(@[System::StartTime]), 2) + "-"
+ RIGHT("0" + (DT_WSTR,2)DAY( @[System::StartTime]), 2) + "_"
+ RIGHT("0" + (DT_WSTR,2)DATEPART("hh", @[System::StartTime]), 2) + ""

```

Evaluated value:

E:\SSISSource\Destination\ABCD\_20170314\_153759.csv2017-03-14\_151454043

Evaluate Expression OK Cancel

Best Regards,  
Albert Zhang

MSDN Community Support

Please remember to click "Mark as Answer" the responses that resolved your issue, and to click "Unmark as Answer" if not. This can be beneficial to other community members reading this thread. If you have any compliments or complaints to MSDN Support, feel free to contact [MSDNFSF@microsoft.com](mailto:MSDNFSF@microsoft.com).

- Proposed as answer by [ArthurZ](#) Wednesday, March 15, 2017 1:04 PM
- Marked as answer by [Uppuluri](#) Wednesday, March 15, 2017 1:21 PM

Tuesday, March 14, 2017 7:54 AM



Albert\_Zhang

4,100 Points

## All replies

•

0

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Hi Prabha,

You should do it in a Script: <http://agilebi.com/jwelch/2008/02/08/adding-headers-and-footers-to-flat-files/>

---

Arthur

[MyBlog](#)

[Twitter](#)

Monday, March 13, 2017 7:40 PM



ArthurZ

Consultant Data Engineer...

87,847 Points

•

0

[Sign in to vote](#)

Hi Artur ,

Thnak you for your idea. We can do using variable also, instaead of script. (I am lack in scripting 0 So can you please suggest me where am I stuck ?

Thanks

---

prabha

○ Edited by [Uppuluri](#) Monday, March 13, 2017 7:57 PM

Monday, March 13, 2017 7:56 PM



[Uppuluri](#)

0 Points

0

[Sign in to vote](#)

I thought somehow you wanted to append the data inside the file as a footer,

I was wrong. Sorry.

You did it right, if you want to move and rename in one hit this is correct what you did.

Otherwise, you need to move 1st, then rename the file.

A one step operation:

<http://www.rafael-salas.com/2007/03/ssis-file-system-task-move-and-rename.html>

---

Arthur

[MyBlog](#)

[Twitter](#)

○ Proposed as answer by [Albert Zhang](#) Tuesday, March 14, 2017 7:54 AM

Monday, March 13, 2017 8:44 PM



[ArthurZ](#)

Consultant Data Engineer...

87,847 Points

0

[Sign in to vote](#)

(If I remember correctly), The move file option expects the Destination variable to be a directory, not a file which is why you get a failure on move file. To move and rename, follow like you've done. Not sure what you mean about "is there a way still move like .csv file", the end file will be whatever you name it.

Tuesday, March 14, 2017 1:09 AM



**RyanAB**

5,455 Points

1

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Hi prabha,

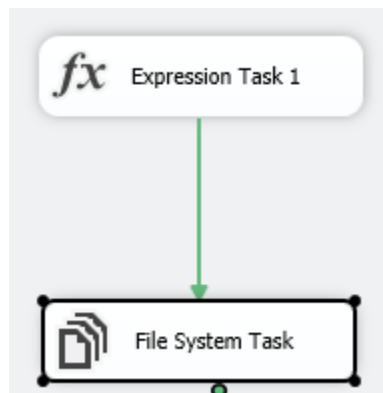
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If you want to move and rename the source file, please have a look at following settings.

#### 1. Variables

VarArchiveFolder	ComTaskTest	String	E:\SSISSource\Destination\
VarDestinationFilePath	ComTaskTest	String	
VarFileName	ComTaskTest	String	ABCD.csv
VarSourceFilePath	ComTaskTest	String	E:\SSISSource\Source\ABCD.csv

#### 2. Package settings



#### 3. Expression Task

Expression:

```
@[User::VarDestinationFilePath] = @[User::VarArchiveFolder]+ Replace(Replace(Replace(Replace( @[User::VarFileName], ".", "_" + Substring((DT_WSTR,50) GETDATE(),1,19)+".", "-", ""), ":", ""), " ", ""), " ", "_")
```

Evaluated value:

E:\SSISSource\Destination\ABCD\_20170314\_152618.csv

Evaluate Expression OK Cancel

4. File System Task. Set property DelayValidation to True.

Destination Connection

IsDestinationPathVariable	True
DestinationVariable	User::VarDestinationFilePath
OverwriteDestination	True

General

Name	File System Task
Description	File System Task

Operation

Operation	Rename file
-----------	-------------

Source Connection

IsSourcePathVariable	True
SourceVariable	User::VarSourceFilePath

File System Task

Properties

File System Task: Task

Execution

DelayValidation	True
Disable	False

5. Result. After running, the "abcd.csv" in Source would be moved to Destination and renamed with time stamp.

This PC > System (E:) > SSISSource > Source

Name	Date modified	Type	Size
abcd.csv	2017-03-14 3:24 PM	Microsoft Excel C...	0 KB
[REDACTED]	2017-03-13 6:06 PM	Microsoft Excel W...	11 KB

This PC > System (E:) > SSISSource > Destination

Name	Date modified	Type	Size
ABCD_20170314_153105.csv	2017-03-14 3:24 PM	Microsoft Excel C...	0 KB



In your case, since it's not clear how do define the two variables, if I directly use your above expression with my above variables, it would return following result which is not a right value. So, in your case, if you want to keep the archived file has .csv extension name, you'd better remove the last 7 lines which're related to the system variable "System::StartTime".

Expression:

```
@[User::VarArchiveFolder]+ Replace(Replace(Replace(Replace( @[User::VarFileName],",", "_ "+Substring((DT_WSTR,50)
GETDATE(),1,19)+".",",", "_ "+Substring((DT_WSTR,50)
+ (DT_WSTR,4)YEAR([System::StartTime]) + "-"
+ RIGHT("0" + (DT_WSTR,2)MONTH([System::StartTime]), 2) + "-"
+ RIGHT("0" + (DT_WSTR,2)DAY( @[System::StartTime]), 2) + "_"
+ RIGHT("0" + (DT_WSTR,2)DATEPART("hh", @[System::StartTime]), 2) + ""
```

Evaluated value:

E:\SSISSource\Destination\ABCD\_20170314\_153759.csv2017-03-14\_151454043

Evaluate Expression OK Cancel

Best Regards,  
Albert Zhang

#### MSDN Community Support

Please remember to click "Mark as Answer" the responses that resolved your issue, and to click "Unmark as Answer" if not. This can be beneficial to other community members reading this thread. If you have any compliments or complaints to MSDN Support, feel free to contact [MSDNFSF@microsoft.com](mailto:MSDNFSF@microsoft.com).

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Tuesday, March 14, 2017 7:54 AM



[Albert\\_Zhang](#)  
4,100 Points

<https://msbitutor.blogspot.com/2018/12/variable-used-as-source-or-destination.html>

# Variable used as a source or destination and is empty SSIS

- [December 04, 2018](#)

## Error:

Variable used as a source or destination and is empty SSIS

## Solution :

Step 1:

Click on that variable and press F4, that will take you to **properties**.

**Set EvaluteAsExpression=True**

Step 2:

**Set the DelayValidation property for the File System Task to True**

SSIS

Set Variables (Below) →

