

# Snapshot Agent Exception(Duplicate Key)

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## Issue

User sees exception message in the Snapshot Agent history log

```
...  
<timesamp> Validating Publisher  
<timesamp> The replication agent had encountered an exception.  
<timesamp> Source: Unknown  
<timesamp> Exception Type: System.ArgumentException  
<timesamp> Exception Message: An item with the same key has already been added
```

If the user has OutputVerboseLevel 3 set for the Snapshot Agent parameter, they might see a call stack output in the log history.

```


...
...
Message
<timestamp> =====
<timestamp> Server: SQLMTEST200.50DFC2D6068C.DATABASE.WINDOWS.NET
<timestamp> Database: distribution

<timestamp> Validating Publisher
<timestamp>
<timestamp> SQL Command dump
<timestamp> =====
<timestamp> Server: SQLMTEST200.50DFC2D6068C.DATABASE.WINDOWS.NET
<timestamp> Database: distribution
<timestamp> Command Text: sp_get_redirected_publisher
<timestamp> Parameters:
<timestamp>     @original_publisher = SQLMTEST200.50DFC2D6068C.DATABASE.WINDOWS.NET
<timestamp>     @publisher_db = ReplTran_PUB
<timestamp>     @bypass_publisher_validation = 0
<timestamp> The replication agent had encountered an exception.
<timestamp> Source: Unknown
<timestamp> Exception Type: System.ArgumentException
<timestamp> Exception Message: An item with the same key has already been added.
<timestamp> Message Code: Not Applicable
<timestamp>
<timestamp> Call Stack:
<timestamp> System.ArgumentException: An item with the same key has already been added.
<timestamp>     at System.ThrowHelper.ThrowArgumentException(ExceptionResource resource)
<timestamp>     at System.Collections.Generic.Dictionary`2.Insert(TKey key, TValue value, Boolean add)
<timestamp>     at Microsoft.SqlServer.Replication.SnapshotGenerationAgent.IsAzureFilesStorageSupplied(Boolean
<timestamp>     at Microsoft.SqlServer.Replication.SnapshotGenerationAgent.InternalRun()
<timestamp>     at Microsoft.SqlServer.Replication.AgentCore.Run()

```

- A work item has been filed to improve the output message instead of a generic message "An item with the same key has already been added".

## Possible causes

The user specified duplicate values in the storage connection string for the @storage\_connection\_string parameter of the [sp\\_adddistpublisher](#)  store procedure.


## Example

```

sp_adddistpublisher @publisher = N'publisher'
...
@storage_connection_string = N'DefaultEndpointsProtocol=https;AccountName=mystorageaccount;AccountKey=****

```

## Mitigation

Run [sp\\_changedistpublisher](#)  to update and correct the storage connection string.

```
exec sp_changedistpublisher @publisher = N'publisher',  
    @property = N'storage_connection_string',  
    @value = N'DefaultEndpointsProtocol=https;AccountName=mystorageaccount;AccountKey=*****;EndpointSuffix=c
```

## External Reference

[Tutorial: Configure replication between two managed instances](#) 

## Internal Reference

lcM [289825306](#) 

## How good have you found this content?



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