

<http://www.sqlservercentral.com/scripts/SQL+Agent/72384/>
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Get an email notification of the failed job step detail

By [Gokhan Varol](#), 2011/02/02

This is the sample email output from a failed SSIS package. It's cropped to it's size for image size limitation.

```
Subject:      Failed Job Output: Diablo.DataLoad.LoadCodeTables_02 Subdivision, step_id: 1, step_name: Load Subdivision

job_name: Diablo.DataLoad.LoadCodeTables_02 Subdivision
step_id: 1
step_name: Load Subdivision
run_start: 2011-02-02 02:00:00
run_duration: 4
job_id: A3AA5EE5-51A7-45E6-82AE-2D4F57E7C609
notify operator by email: DiabloSupport

Microsoft (R) SQL Server Execute Package Utility Version 10.0.4000.0 for 64-bit Copyright (C) Microsoft C

Started: 2:00:00 AM
Error: 2011-02-02 02:00:04.45
Code: 0xC020902B
Source: dft Load M-Subdiv_New Retain usable Subdivisions [427]
Description: The expression "[ISNULL(CntyMuncKey)) && (AnnualSalesInd == "A" || AnnualSalesInd :
to NULL, but the "component "Retain usable Subdivisions" (427)" requires a Boolean results. Modify the
error output (Redirect Row). The expression results must be Boolean for a Conditional Split. A NULL ex
End Error
Error: 2011-02-02 02:00:04.45

USE msdb
GO
IF OBJECT_ID('trg_sysjobhistory_email_failure') IS NOT NULL DROP TRIGGER trg_sysjobhistory_email_failure
GO
CREATE TRIGGER trg_sysjobhistory_email_failure ON [dbo].[sysjobhistory] FOR INSERT
AS
-- =====
-- Author:      Gokhan Varol
-- Create date: 09/30/2010
-- Description: Generates an email to the operator defined in the job the error detail of a failed job step
-- =====

DECLARE @job_id UNIQUEIDENTIFIER, @job_name sysname, @step_id INT, @step_name sysname, @run_date INT, @run_time INT,
@run_duration INT, @RunStart DATETIME

DECLARE @body VARCHAR(MAX), @subject VARCHAR(8000), @operator_name VARCHAR(256), @email_address VARCHAR(256)

SELECT @job_id = jh.job_id
, @job_name = j.[name]
, @step_id = jh.[step_id]
, @step_name = jh.[step_name]
, @operator_name = so.[name]
, @email_address = so.[email_address]
, @run_date = jh.[run_date]
, @run_time = jh.[run_time]
, @run_duration = jh.[run_duration]
, @RunStart = CAST(CAST(jh.[run_date] AS varchar) AS date) + CAST(CAST(STUFF(STUFF(RIGHT('0' + CAST(jh.[run_time] AS varchar), 6), 3, 0, ''))
FROM inserted jh (NOLOCK)
INNER JOIN [msdb].[dbo].[sysjobs] j (NOLOCK) ON jh.job_id = j.job_id
INNER JOIN [msdb].[dbo].[sysoperators] so (NOLOCK) ON j.notify_email_operator_id = so.id
WHERE jh.step_id > 0
AND j.notify_level_email & 2 = 2
AND jh.run_status = 0
AND so.enabled = 1
AND so.email_address <> ''

IF @@ROWCOUNT = 0 RETURN

SET @subject = 'Failed Job Output: ' + @job_name + ', step_id: ' + CAST(@step_id AS VARCHAR) + ', step_name: ' + @step_name

SET @body = 'job_name: ' + @job_name + '
step_id: ' + CAST(@step_id AS VARCHAR) + '
step_name: ' + @step_name + '
run_start: ' + CONVERT(VARCHAR(30), @RunStart, 120) + '
run_duration: ' + CAST(@run_duration AS VARCHAR) + '
job_id: ' + CAST(@job_id AS VARCHAR(100)) + '
notify operator by email: ' + @operator_name + '
'

SELECT @body = @body + MESSAGE
FROM [msdb].[dbo].[sysjobhistory] jh (NOLOCK)
WHERE run_status IN (0, 4)
AND step_id = @step_id
AND job_id = @job_id
AND run_date = @run_date
AND run_time = @run_time
ORDER BY instance_id

EXEC msdb.dbo.sp_send_dbmail @recipients = @email_address, @subject = @subject, @body = @body

GO
```