

# Reset cyclic count after failure...

---



[Sandy T](#) 13 posts since May 15, 2015

**Reset cyclic count after failure Control-M 8** Apr 21, 2016 2:09 AM

Hi

I am using control-M 8 .

I have a cyclic job A that is run 15 times , so i have set maximum rerun as 15 . After job complete 15 cycle successfully i trigger job B

But the problem is that when job A fails cyclic count increase. this means even after 5 failure job will only 10 more times & cyclic count is going to be 15 even after no of failures . So Job B will be trigger which is incorrect

Please suggest me can we reset the cyclic count in case of failure ?

Please help me so that job will complete 15 successful cycle even after any no of failures

Tags: [control-m](#), [cyclic](#)



[Mark Francome](#) 968 posts since Dec 13, 2011

**Re: Reset cyclic count after failure Control-M 8** Apr 21, 2016 10:09 AM

BMC added to the "number of failures" count to jobs to trigger the opposite of what you (I think) are trying to do. But in your case you need to manually add a counter, unfortunately the counter processing is done at the end of the job so you have to be a bit flexible.

First set up a variable, the easiest way is to use the ctmvar utility on the Control-M Server -

```
ctmvar -action set -var "%%#MY_JOBA_COUNTER" -varexpr 0 -quiet
```

then in the "Pre-exec command" field on the Genral tab of your cyclic job -

```
echo MY_JOBA_COUNTER=%%MY_JOBA_COUNTER
```

Finally, in the Action tab of your cyclic job, put the forcing of the second job and the counter -

Reset cyclic count after failure...

Job: pdiscm167

General | Scheduling | Run Information | Prerequisites | **Actions**

**Out Conditions**

**Notifications before job completion**

**On-Do Actions**

Add On Do Actions, to be performed according to events such as job completion status and specific output.

**On Do Actions**

- When Specific statement output Statement: \* Code: MY\_JOBA\_COUNTER=14\*  
Order Job (Ignore Scheduling Criteria) [pdiscm/JOBB,04/21/16]
- When Job ended OK  
Set variable [\\MY\_JOBA\_COUNTER = %%MY\_JOBA\_COUNTER %%PLUS 1]

**Notifications after job completion**

Less ^

**Output Handling**

**On-Do Actions**

Automatic interventions, such as rerunning a job or ordering a remedial job, if a job ends with a particular error code.

[Hide](#) [More Info](#)

**Save** **Cancel**

Here you force "JOBB" on the 15th good run of the original cyclic job (I know it says "14" but the counters are calculated at the end, so we just have to accept this). The %%PLUS 1 adds the counter each ok job run. You can also use MINUS in the same way (in other cases) and may want to set this to zero as part of the cyclic job too,

You will have to manage the variable too as it will keep increasing if you only add to it - so, say, once each day you would set it back to zero again on the server -


```
ctmvar -action set -var "%%#MY_JOBA_COUNTER" -varexpr 0 -quiet
```



**Sandy T** 13 posts since May 15, 2015

Reset cyclic count after failure...

**Re: Reset cyclic count after failure Control-M 8** Apr 22, 2016 1:08 AM

 in response to [Mark Francome](#)  
Hi Mark

Thanks a lot for the reply


its very useful .

I have one more query regarding the cycle of job A , after failure Job A count will increase . lets say Maxrerun value is 15 , as job failed 5 times . Job totally going to run 15 times including 10 successful & 5 failed cycles  
How i can make job to run all 15 successful cycle even when maxrerun is 15 & 5 failure



[Mark Francome](#) 968 posts since Dec 13, 2011

**Re: Reset cyclic count after failure Control-M 8** Apr 22, 2016 2:46 AM

 in response to [Sandy T](#)

This is a good question and I cannot think of any other way than to set your Maxrerun value higher than 15 (or even unlimited) and then use the "Stop cyclic" option in the Action panel -

Reset cyclic count after failure...

Job: pdiscm167

General | Scheduling | Run Information | Prerequisites | **Actions**

**Out Conditions** + ✎ 📄 ⬆ ⬇ ✕

**Notifications before job completion** + ✎ 📄 ⬆ ⬇ ✕

**On-Do Actions**  
Add On Do Actions, to be performed according to events such as job completion status and specific output.  
+ ✎ 📄 ⬆ ⬇ ✕

**On Do Actions**

- When Specific statement output Statement: \* Code: MY\_JOBA\_COUNTER=15\*  
Order Job (Ignore Scheduling Criteria) [pdiscm/JOBB,04/21/16]
- When Job ended OK  
Set variable [\\MY\_JOBA\_COUNTER = %%MY\_JOBA\_COUNTER %%PLUS 1]
- When Job ended OK  
Stop Cyclic run

**Notifications after job completion** + ✎ 📄 ⬆ ⬇ ✕

Less ▲

**Output Handling**

**On-Do Actions**  
Automatic interventions, such as rerunning a job or ordering a remedial job, if a job ends with a particular error code.  
[Hide](#) [More Info](#)

Save Cancel



**Sandy T** 13 posts since May 15, 2015

**Re: Reset cyclic count after failure Control-M 8** Apr 23, 2016 12:59 AM

👤 in response to [Mark Francome](#)

Hi Mark

I am trying to implement the same . But it seems that Statement is not getting executed .

As cyclic run is not getting stopped

Can you please let me know any miss from my end in implementing the logic ?

Reset cyclic count after failure...

Job: BC540

General | Scheduling | Run Information | Prerequisites | **Actions**

**Notifications before job completion** + ✎ 📄 ⬆ ⬇ ✕

**On-Do Actions**

Add On Do Actions, to be performed according to events such as job completion status and specific output.

+ ✎ 📄 ⬆ ⬇ ✕

**On Do Actions**

- When Job ended OK  
Set variable [\\MY\_JOBA\_COUNTER = %%MY\_JOBA\_COUNTER %%PLUS 1]
- When Specific statement output Statement: \* Code: MY\_JOBA\_COUNTER=14\*  
Stop Cyclic run**
- When Job ended Not OK  
Stop Cyclic run

**On-Do Actions**

Automatic interventions, such as rerunning a job or ordering a remedial job, if a job ends with a particular error code.

[Hide](#) [More Info](#)

**Save** **Cancel**



**Mark Francome** 968 posts since Dec 13, 2011

**Re: Reset cyclic count after failure Control-M 8** Apr 24, 2016 1:52 AM

👤 in response to [Sandy T](#)


Strange, what does the job log say? Does it show the variable being set each time (and increasing the number)? If you can include the log here we might be able to see the issue.



**Sandy T** 13 posts since May 15, 2015

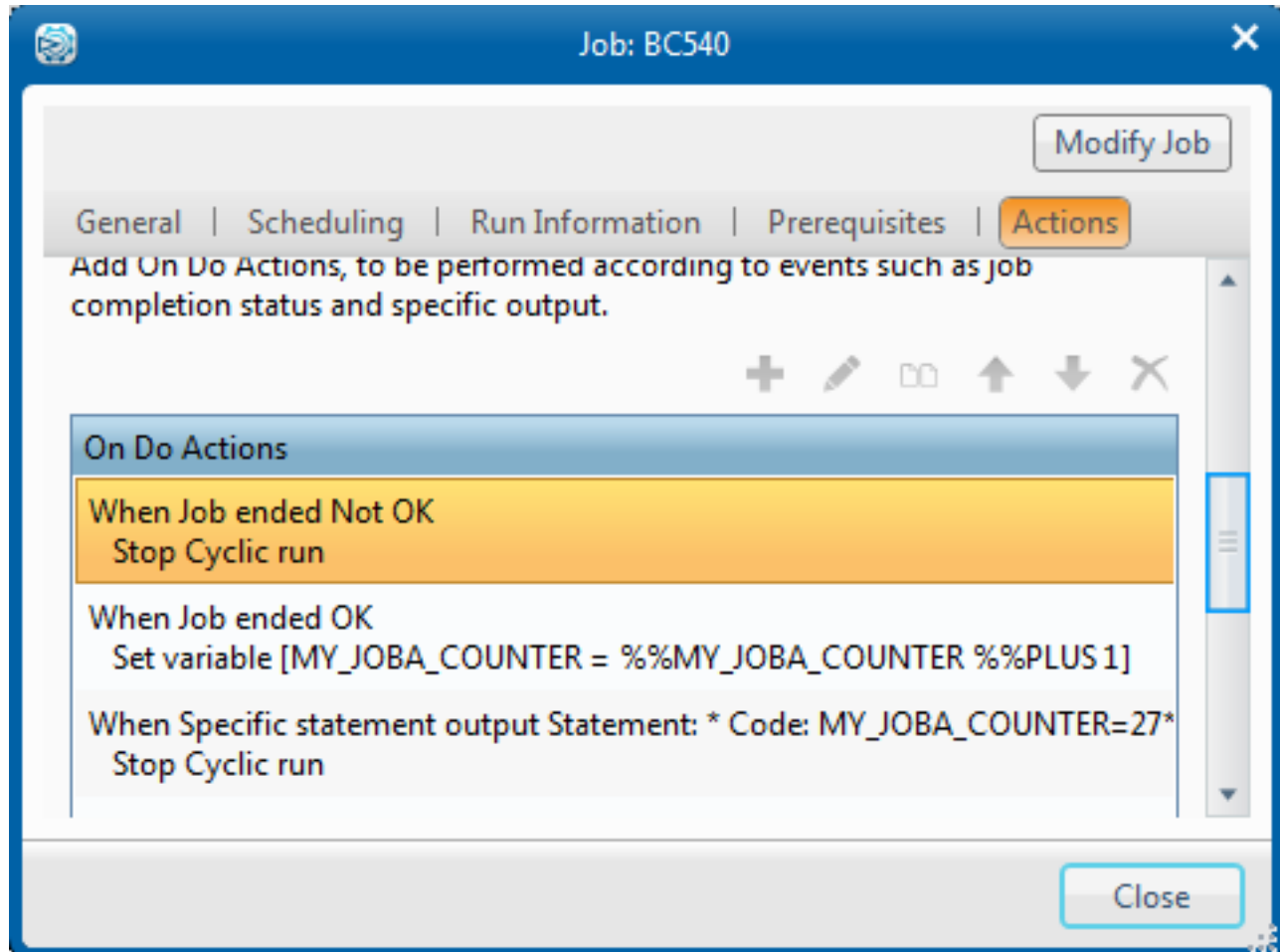
**Re: Reset cyclic count after failure Control-M 8** Apr 25, 2016 2:20 AM

Reset cyclic count after failure...

 in response to [Mark Francome](#)

Yes its very strange not sure why Statement not getting executed

sending the condition & logs



04:08:21 4/25/2016	HELD BY USER emuser	5401
04:08:40 4/25/2016	FREED BY USER emuser	5402
04:09:19 4/25/2016	Run Now 'Time Limits' option set ON by user emuser	5412
04:09:19 4/25/2016	Run Now 'In Conditions' option set ON by user emuser	5412
04:09:19 4/25/2016	Run Now 'Quantitative Resources' option set ON by user emuser	5412
04:09:19 4/25/2016	Run Now 'Control Resources' option set ON by user emuser	5412

Reset cyclic count after failure...

04:09:19 4/25/2016	Run Now 'Workload and Node Restrictions' option set ON by user emuser	5412
04:09:19 4/25/2016	SUBMITTED TO alccm	5105
04:09:20 4/25/2016	STARTED AT 20160425040919 ON alccm	5101
04:09:20 4/25/2016	JOB STATE CHANGED TO Executing	5120
04:09:30 4/25/2016	ENDED AT 20160425040930. OSCOMPSTAT 0. RUNCNT 6	5100
04:09:30 4/25/2016	DOVARIABLE '%MY_JOBA_COUNTER'='%MY_JOBA_COUNTER %%' performed	5707
04:09:30 4/25/2016	DOVARIABLE '%%C540'='4' performed	5707
04:09:31 4/25/2016	EMAIL TO PERFORMED	5140
04:09:31 4/25/2016	ENDED OK. NUMBER OF FAILURES SET TO 0	5133
04:09:31 4/25/2016	JOB STATE CHANGED TO Analyzed	5120
04:09:31 4/25/2016	CONDITION BC540_540_Completed 0424 DELETED	5210
04:09:31 4/25/2016	FAILED TO DELETE CONDITION:Dmy_Srt_540_Completed DATEREF:0424	5763
04:09:31 4/25/2016	FAILED TO DELETE CONDITION:BC540_540_Completed DATEREF:0423	5763
04:09:31 4/25/2016	CONDITION BC540_540_Completed 0424 ADDED	5209
04:09:31 4/25/2016	Job STATE CHANGED TO Wait Rerun	5120
04:09:31 4/25/2016	ALL RUN_NOW OPTIONS ARE RESET TO OFF	5413
04:09:31 4/25/2016	Job STATE CHANGED TO Wait Time Window	5120



[Biswajit Soumyaranjan](#) 11 posts since Sep 5, 2018

**Re: Reset cyclic count after failure Control-M 8** Jan 17, 2019 3:35 AM

in response to [Mark Francome](#)

Reset cyclic count after failure...

Hi Mark,

How can we achieve this for a SAP R3 job?

"then in the "Pre-exec command" field on the Genral tab of your cyclic job -

**echo MY\_JOBA\_COUNTER=%%MY\_JOBA\_COUNTER**

Finally, in the Action tab of your cyclic job, put the forcing of the second job and the counter -"

Can we add this (echo <msg>) as step with external program?



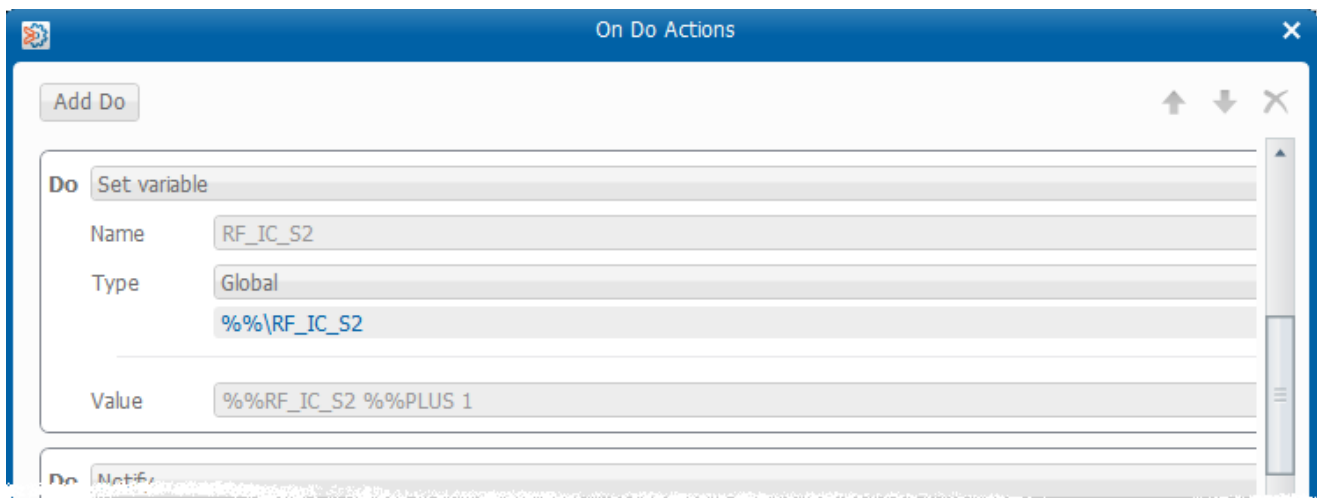
**Mark Francome** 968 posts since Dec 13, 2011

**Re: Reset cyclic count after failure Control-M** 8 Jan 18, 2019 12:23 AM

 in response to [Biswajit Soumyaranjan](#)

I am not familiar with the SAP R3 jobs but yes, this should be possible. All that echo is doing is to put the text string into the output so that you can match on it in the On/Do.

Here is another example of the **counter** part of this (on v9) -

A screenshot of a software window titled "On Do Actions". The window has a blue header bar with the title and a close button. Below the header, there is a tab labeled "Do" and a button "Add Do". The main area contains a list of actions. The first action is "Set variable". It has three fields: "Name" with the value "RF\_IC\_S2", "Type" with the value "Global", and "Value" with the value "%%RF\_IC\_S2 %%PLUS 1". There is a vertical scrollbar on the right side of the list.