

# Setting up a report for Break The Glass

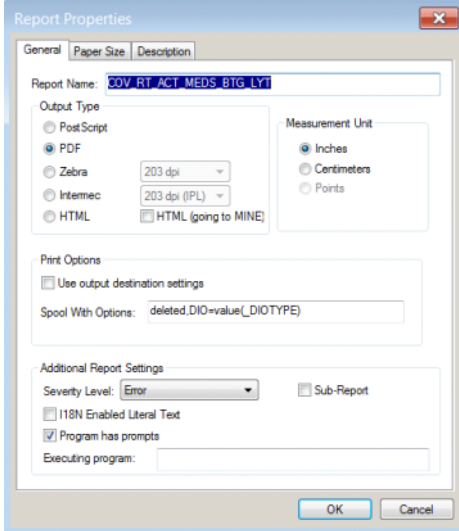
Monday, June 04, 2018 11:46 AM

## Summary:

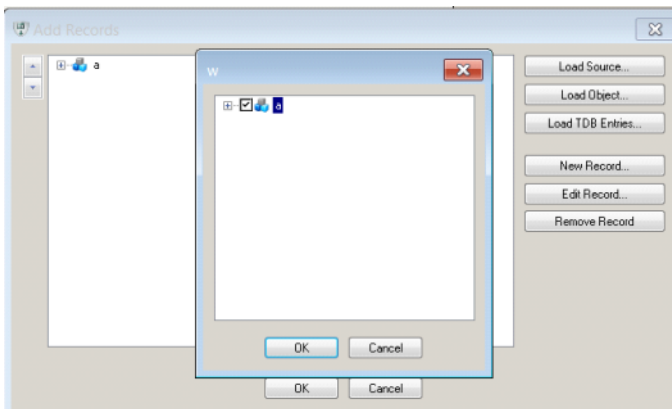
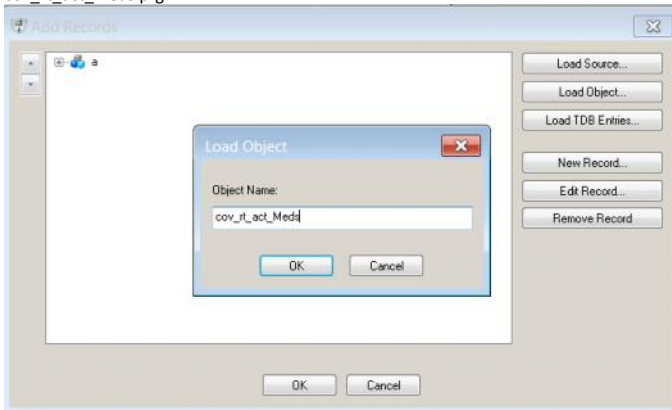
This document will provide the necessary steps to add a layout for creating a new PDF report that can then be transferred to an Astream location.

Build a new layout and customize original CCL to use the layout.

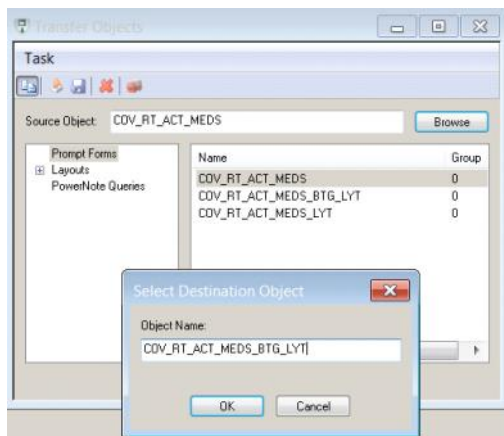
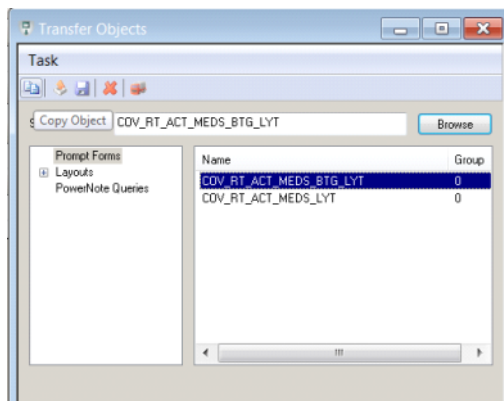
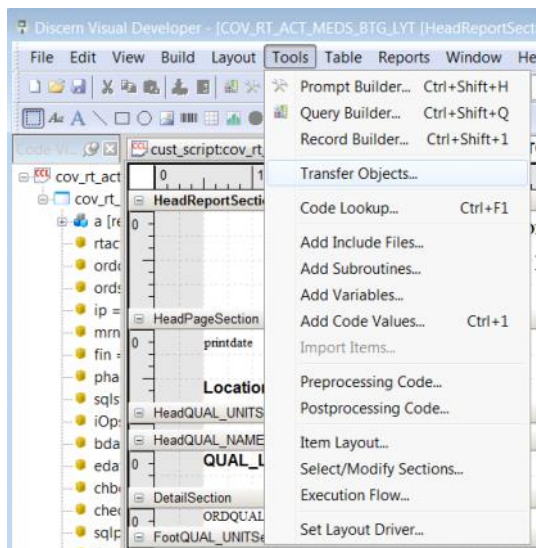
1. Create a new layout program and select the PDF output option when creating the layout.



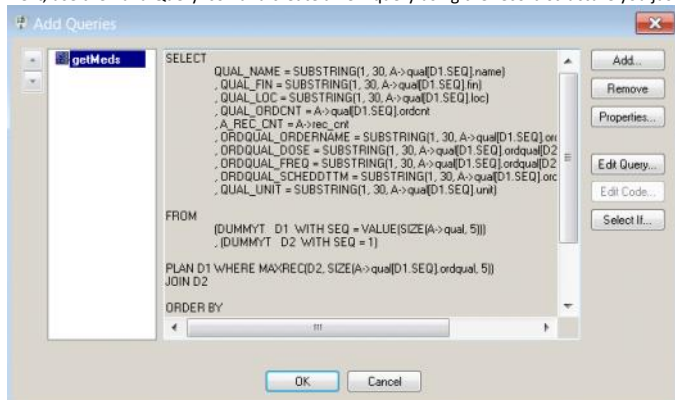
2. When viewing the report properties, you should a screen similar to the screen shot above. If not, modify your properties to select an output type of PDF.
3. Add a new record from your source object. For demonstration purposes I am using cov\_rt\_act\_meds.prg.



4. Use the Transfer Object menu item to copy the prompts from the source object to your new layout.



- Next, use the Build Query icon and create a new query using the record structure you just added.



- Be sure to add any sorts to the report if you want to group the data in sections in your layout.

Discern Query Builder

TABLES | FIELDS | QUALIFICATIONS | GROUP BY | SORT | CONTROL OPTIONS | VIEW QUERY

Table:  Alias:

☐ Display all fields per table

Fields	Type
QUAL_NAME	
QUAL_FIN	
QUAL_LOC	
QUAL_ORDCNT	
A_REC_CNT	
ORDQUAL_ORDERNAME	
ORDQUAL_DOSE	
ORDQUAL_FREQ	
ORDQUAL_SCHEDDTM	
QUAL_UNIT	

Fields	Sort
QUAL_UNIT	ASC
QUAL_LOC	ASC
QUAL_NAME	ASC
ORDQUAL_SCHEDDTM	ASC

Navigation: Up, Down, Close

7. Build your layout.

0	1	2	3	4	5	6	7	8
HeadReportSection								
0	Active Respiratory Therapy Medications							
	Facility							
HeadPageSection								
0	printdate	UNIT: QUAL_UNIT					PrintPage	
	Location	FIN	Patient Name					
HeadQUAL_UNITSection								
HeadQUAL_NAMESection								
0	QUAL_LOC	QUAL_FI	QUAL_NAME					
DetailSection								
0	ORDQUAL_SCHED	ORDQUAL_ORDERNAME	ORDQUAL_DOSE	ORDQUAL_FREQ				
FootQUAL_UNITSection								
0	FootPageSection							
	domainprogrname							

8. Open your original CCL program.

```

cust_script:cov_rt_act_med... COV_RT_ACT_MEDS_BTG_L...
1/*****
2Author      : Michael Layman
3Date Written : 4/26/18
4Program Title: Respiratory Therapy Active Medications
5Source File  : cov_rt_act_meds.prg
6Object Name  : cov_rt_act_meds
7Directory    : cust_script
8DVD version  : 2017.11.1.81
9HNA version  : 2017
10CCL version  : 8.2.3
11Purpose     : This program will produce a report
12              that will display active scheduled
13              medications for the respiratory therapy
14              department.
15Tables Read  : orders, person, encounter, encntr_alias, person_alias
16Tables
17Updated     : NA
18Include Files: NA
19Executing
20Application  : Explorer Menu / Report Portal
21Special Notes:
22
23Mod #      By      Date      Purpose
24*****
25
26drop program cov_rt_act_meds go
27create program cov_rt_act_meds
28
29prompt
30"Output to File/Printer/MINE" = "MINE"  ;* Enter or select the printer or file name to send this report to.
31, "Select Facility" = 0
32
33with OUTDEV, facility
34
35
36
37
38/*****

```

```

34
35
36
37
38 /*****
39 ; DVDev DECLARED RECORD STRUCTURES
40 *****/
41 ;FREE RECORD a

```

9. Since this program will be run from operations, we need to add some new code to check and see when that occurs.

```

92 DECLARE iOpsInd = i2 WITH NOCONSTANT(0), PROTECT
93 DECLARE bdate = f8 WITH NOCONSTANT(0.0), PROTECT
94 DECLARE edate = f8 WITH NOCONSTANT(0.0), PROTECT
95 DECLARE chbdate = vc WITH NOCONSTANT(FILLSTRING(20,' ')), PROTECT
96 DECLARE chedate = vc WITH NOCONSTANT(FILLSTRING(20,' ')), PROTECT
97 DECLARE sqlparser = vc WITH NOCONSTANT(FILLSTRING(255,' ')), PROTECT
98 DECLARE filename = vc WITH CONSTANT(CONCAT('cer_temp:',TRIM(CNVTLOWER(UAR_GET_CODE_DISPLAY($facility))),'_rt_meds.pdf')), PROTECT

```

10. In the lines above, we are declaring a boolean variable, as well as several supporting variables that may be needed.

```

115 IF (VALIDATE(request->batch_selection) = 1)
116     SET iOpsInd = 1
117
118     SET bdate = DATETIMEFIND(CNVTDATETIME(CURDATE-1, 0), 'D', 'B', 'B')
119     SET edate = DATETIMEFIND(CNVTDATETIME(CURDATE-1, 0), 'D', 'B', 'E')
120
121     SET chbdate = FORMAT(CNVTDATETIME(bdate), "mm/dd/yyyy hh:mm;q")
122     SET chedate = FORMAT(CNVTDATETIME(edate), "mm/dd/yyyy hh:mm;q")
123
124     SET sqlparser = 'c.service_dt_tm BETWEEN CNVTDATETIME(bdate) AND CNVTDATETIME(edate)'
125
126 ;else
127
128 SET bdate = CNVTDATETIME($begdate)
129 SET edate = CNVTDATETIME($enddate)
130 SET chbdate = FORMAT(CNVTDATETIME(bdate), "mm/dd/yyyy hh:mm;q")
131 SET chedate = FORMAT(CNVTDATETIME(edate), "mm/dd/yyyy hh:mm;q")
132 SET sqlparser = 'c.service_dt_tm BETWEEN CNVTDATETIME(bdate) AND CNVTDATETIME(edate)'
133
134
135
136 endif

```

11. In the screen shot above, we are checking the request->batch\_selection record to see if it exists. If it does, then we know the program is being executed from operations.

12. We now need to jump to the very end of the program and add a statement to call the layout program.

```

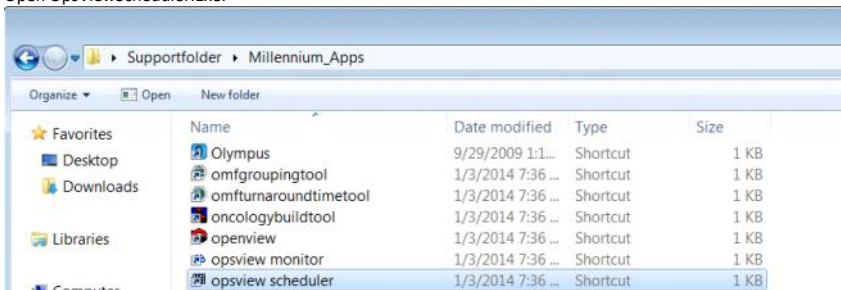
404 IF (iOpsInd = 1)
405     execute cov_rt_act_meds_btg_lyt VALUE(filename), VALUE($facility)
406
407
408 endif
409

```

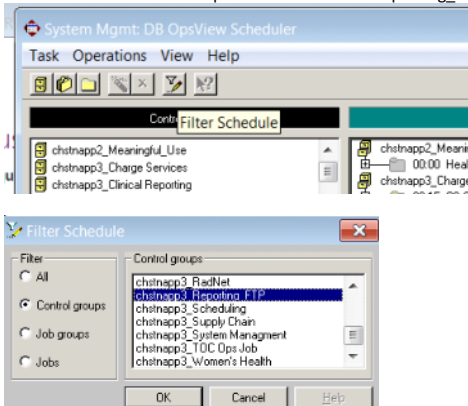
13. The line above will check for the operations variable and if found true, then it will execute the BTG layout.

[Build the Operations Jobs](#)

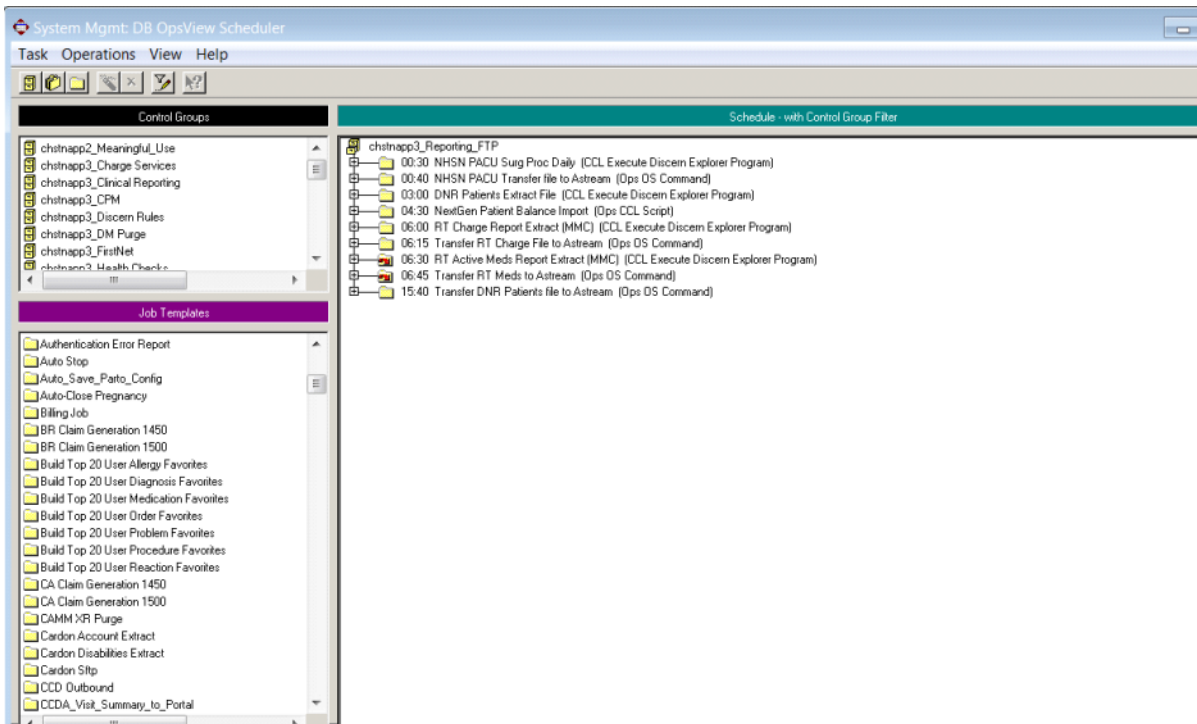
1. Open OpsViewScheduler.Exe.



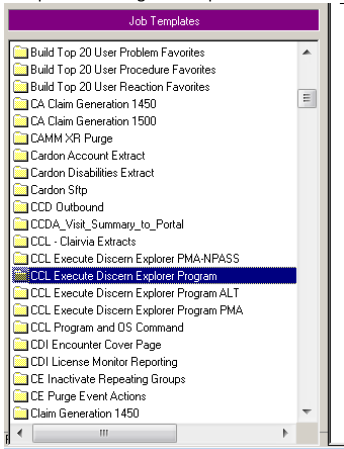
2. Click the Filter Control Group Icon and select the Reporting\_FTP control group to filter on.



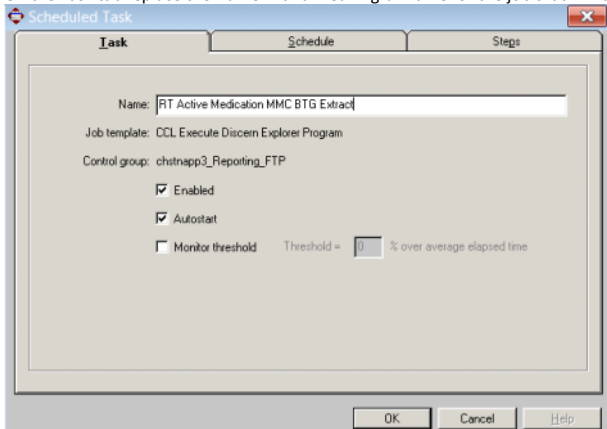
3. You will now see the jobs that have been set up for the Reporting\_FTP control group only.



4. In the Job Templates tree, scroll down and find the CCL Execute Discern Explorer Program Template and drag and drop it into the schedule window.



5. On the Task tab replace the Name with a meaningful Name for the job that will be run.



6. Next click the schedule tab and select the schedule you want to run the job at. NOTE: Ops jobs are limited to 4 parallel jobs running at the same time. If you select to run them at the same time as 4 or more jobs, just be aware that the jobs won't execute until the previous jobs finish running.

**Scheduled Task**

**Task** | **Schedule** | **Steps**

**Occurs**

☒ Daily ☐ Day of month

☐ Weekly ☐ Week of month

☐ One time

**Time of day**

☒ Occurs once at 15:00

☐ Occurs every 1 Minute(s) Starting 15:00 Ending 15:00

☐ Skip when overdue

**Effective**

Start date: 06/05/2018

☐ End date: 06/04/2018

OK Cancel Help

7. You only need to fill out the dates in the effective section above if you need to control when the job will start running. It will always default to start tomorrow.
8. The final step to creating an ops job will be to click on the Steps tab and enter the program name and the parameters needed to run the job.

**Scheduled Task**

**Task** | **Schedule** | **Steps**

**Step 1 of 1**

Step number: 1

Step name: ccL\_run\_program\_from\_ops

☐ Monitor threshold Threshold = 0 % over average elapsed time

Batch selection: cov\_it\_act\_meds "nine", 2552503613.00

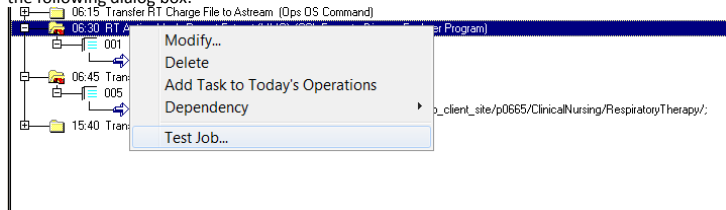
Output distribution:

Operator message:

☐ Select time zone context:

OK Cancel Help

9. Test the job by selecting the job you just created, right click and click on Test Job. Click Execute in the following dialog box.



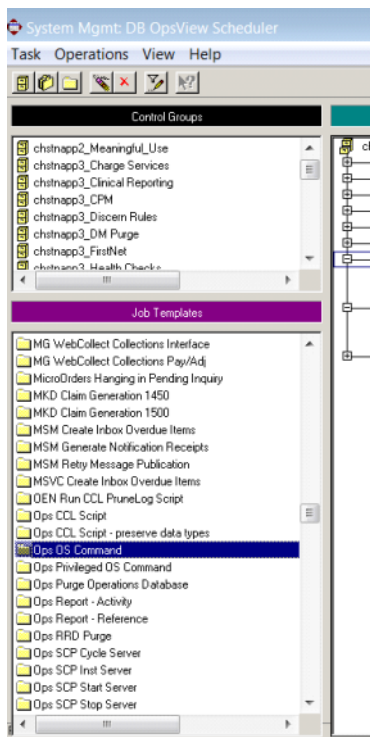
**Test Job**

Name: 06:30 RT Active Meds Report Extract (MMC) (CCL Execute Discern)

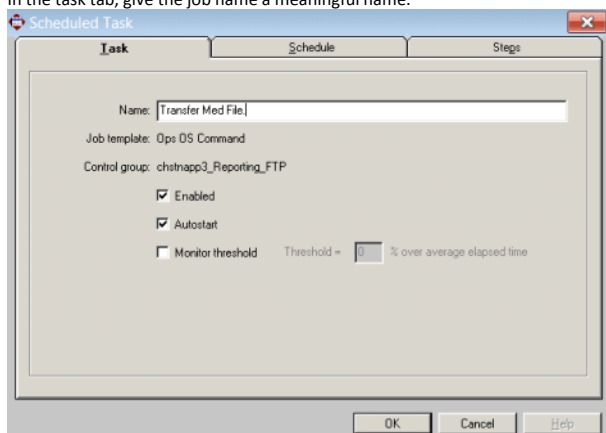
Operations date/time: 06/04/2018 06:30

OK Cancel Help

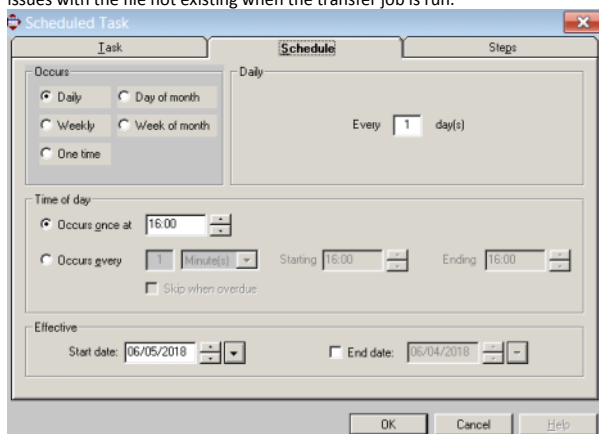
10. If everything worked, then you will get a message telling you the job was successful. If it fails you will get a failure and will need to review the details of the failure.
11. Now, we will need to add the job to do the file move operation.
12. In the Job Templates window, scroll down until you find the job Ops OS Command Job.
13. Drag and drop this job onto the scheduling window just as we did the CCL job.



14. In the task tab, give the job name a meaningful name.

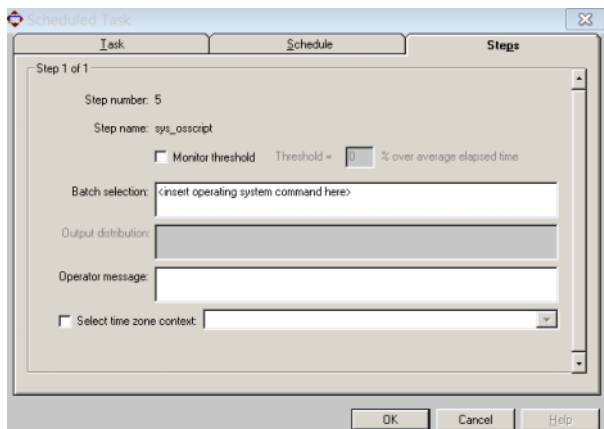


15. Click the Schedule tab and select the schedule time when you want this job to run. Always pick a time at least 5 - 15 minutes past the time you expect the CCL program to run. A good rule of thumb is to run this at 15 minutes past the ccl job run time. This will prevent you from having issues with the file not existing when the transfer job is run.

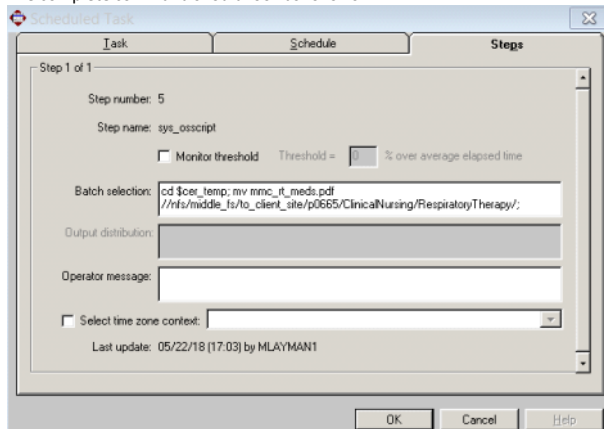


16. Click the Steps tab and enter the OS commands necessary to transfer the file.





17. Since we are running on linux, there will be two commands we will need to use.
18. The first command we will enter will be : `cd $cer_temp;`
19. This command will move to the directory where our files are being generated. In the example I am using that is the `cer_temp` directory. Also note that we have to end our command with a semi-colon.
20. Next we will issue a move command: `mv mmc_rt_meds.pdf //nfs/middle_fs/to_client/ClinicalNursing/RespiratoryTherapy/;`
21. This command simply takes the file and moves it to the Astream location we want the file to go to. Keep in mind that a move operation also deletes the original file from the source directory.
22. The complete command should look as follows:



23. You can select this job and test it just as you did the CCL job.
24. One final note to be aware of. There is a character limit of 100 characters. If your commands will be more than that then you will need to create a shell script on the backend and call it from ops.