Setting up a report for Break The Glass

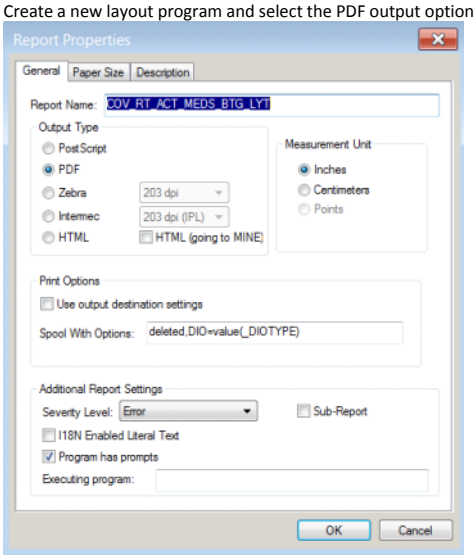
Monday, June 04, 2018 11:46 AM

Summary:

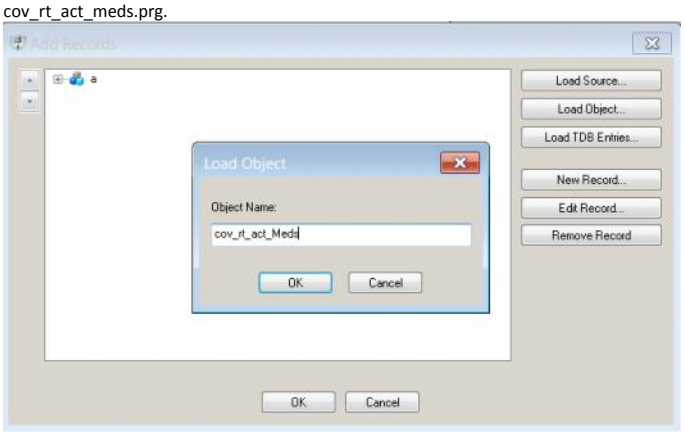
This document will provide the necessary steps to add a layout for creating a new PDF report that can then be transferred to an Astream location.

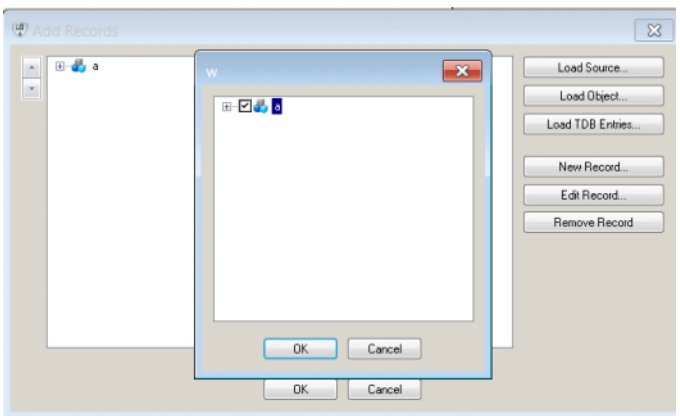
Build a new layout and customize original CCL to use the layout.

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

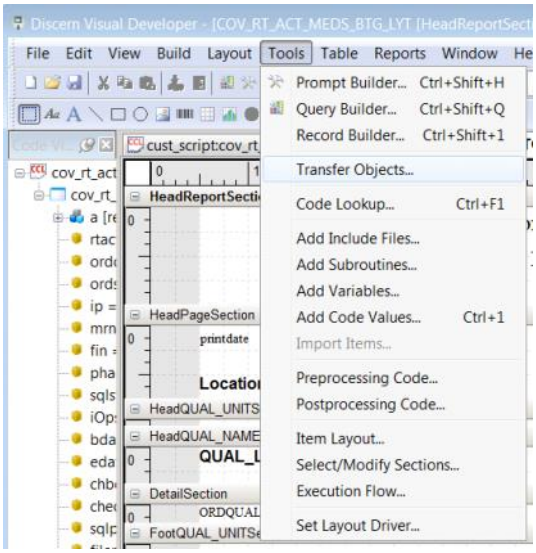


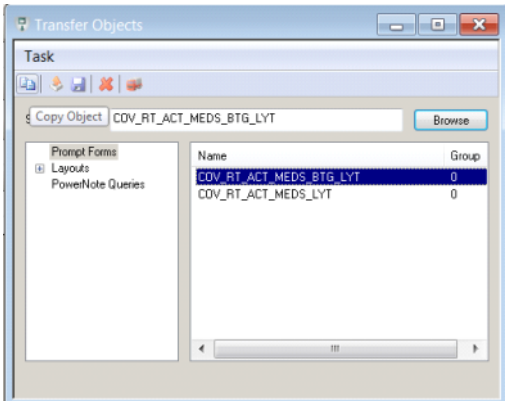
2. When viewing the report properties, you should a screen similar to the screen shot above. If not, modify your properties to select an output type of PDF.
3. Add a new record from your source object. For demonstration purposes I am using cov_rt_act_meds.prg.

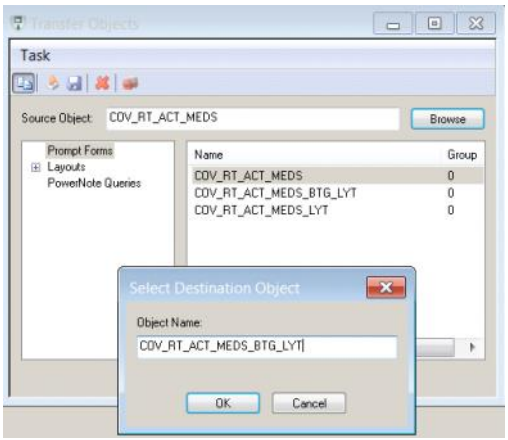




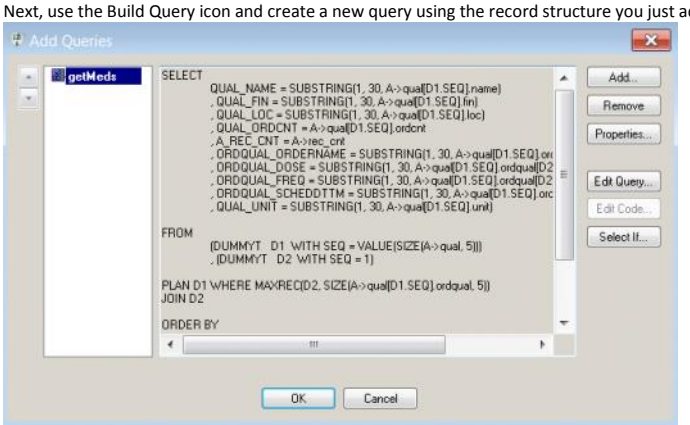
4. Use the Transfer Object menu item to copy the prompts from the source object to your new layout.



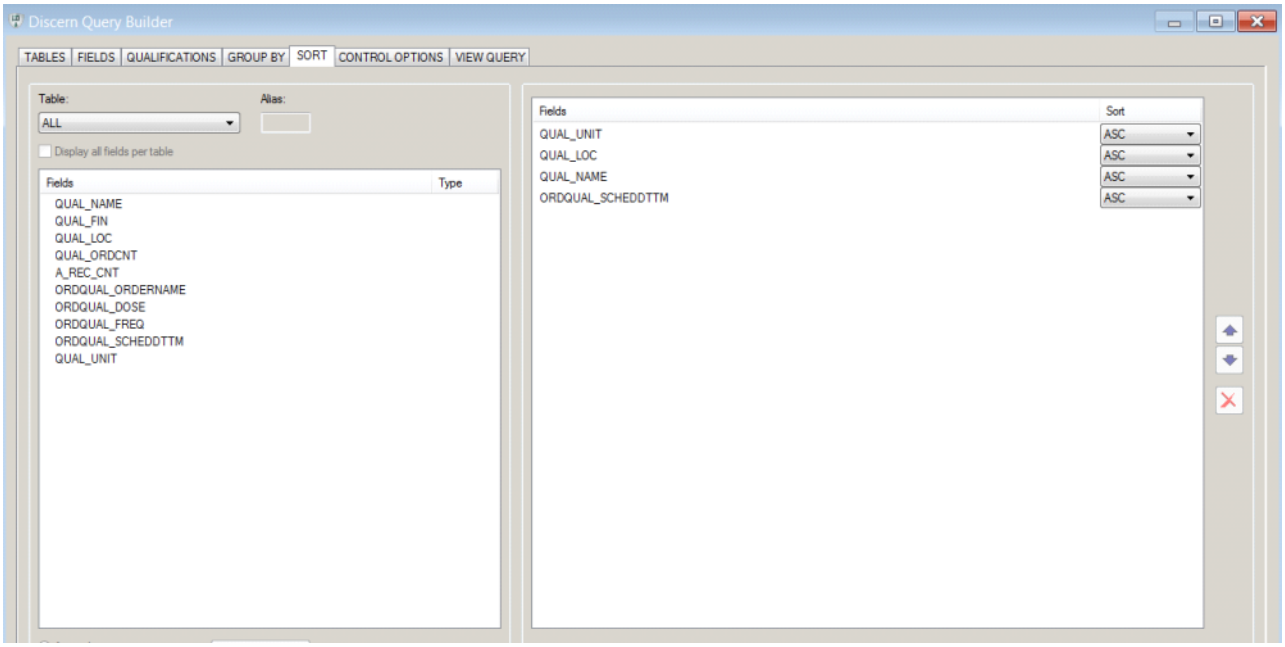




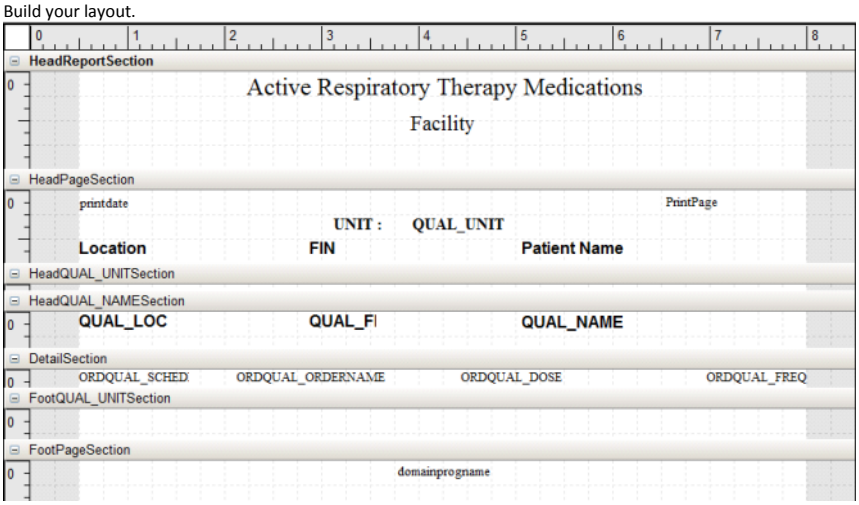
5. Next, use the Build Query icon and create a new query using the record structure you just added.



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



7. Build your layout.



8. Open your original CCL program.

cust_script:cov_rt_act_med... COV_RT_ACT_MEDS_BTG_L...

```
/************************************************************
Author          :  Michael Layman
Date Written :  4/26/18
Program Title:  Respiratory Therapy Active Medications
Source File  :  cov_rt_act_meds.prg
Object Name  :  cov_rt_act_meds
Directory     :  cust_script
DVD version  :  2017.11.1.81
HNA version  :  2017
CCL version  :  8.2.3
Purpose       :  This program will produce a report
                    that will display active scheduled
                    medications for the respiratory therapy
                    department.
Tables Read  :  orders, person, encounter, encntr_alias, person_alias
Tables
Updated       :  NA
Include Files:  NA
Executing
Application  :  Explorer Menu / Report Portal
Special Notes:
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Mod #         By            Date           Purpose
************************************************************/

drop program cov_rt_act_meds go
create program cov_rt_act_meds

prompt
    "Output to File/Printer/MINE" = "MINE"   ;* Enter or select the printer or file name to send this report to.
    , "Select Facility" = 0

with OUTDEV, facility



/*************************************************************
```

```
/*************************************************************
; DVDev DECLARED RECORD STRUCTURES
*************************************************************/
;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.

```
DECLARE iOpsInd = i2 WITH NOCONSTANT(0), PROTECT
DECLARE bdate    = f8 WITH NOCONSTANT(0.0), PROTECT
DECLARE edate    = f8 WITH NOCONSTANT(0.0), PROTECT
DECLARE chbdate  = vc WITH NOCONSTANT(FILLSTRING(20,' ')), PROTECT
DECLARE chedate  = vc WITH NOCONSTANT(FILLSTRING(20,' ')), PROTECT
DECLARE sqlparser = vc WITH NOCONSTANT(FILLSTRING(255,' ')), PROTECT
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.

```
if (VALIDATE(request->batch_selection) = 1)

    SET iOpsInd = 1

;   SET bdate = DATETIMEFIND(CNVTDATETIME(CURDATE-1, 0),'D','B','B')
;   SET edate = DATETIMEFIND(CNVTDATETIME(CURDATE-1,0),'D','B','E')
;
;   SET chbdate = FORMAT(CNVTDATETIME(bdate),"mm/dd/yyyy hh:mm;;q")
;   SET chedate = FORMAT(CNVTDATETIME(edate),"mm/dd/yyyy hh:mm;;q")
;
;   SET sqlparser = 'c.service_dt_tm BETWEEN CNVTDATETIME(bdate) AND CNVTDATETIME(edate)'


;else

;   SET bdate = CNVTDATETIME($begdate)
;   SET edate = CNVTDATETIME($enddate)
;   SET chbdate = FORMAT(CNVTDATETIME(bdate),"mm/dd/yyyy hh:mm;;q")
;   SET chedate = FORMAT(CNVTDATETIME(edate),"mm/dd/yyyy hh:mm;;q")
;   SET sqlparser = 'c.service_dt_tm BETWEEN CNVTDATETIME(bdate) AND CNVTDATETIME(edate)'

endif
```

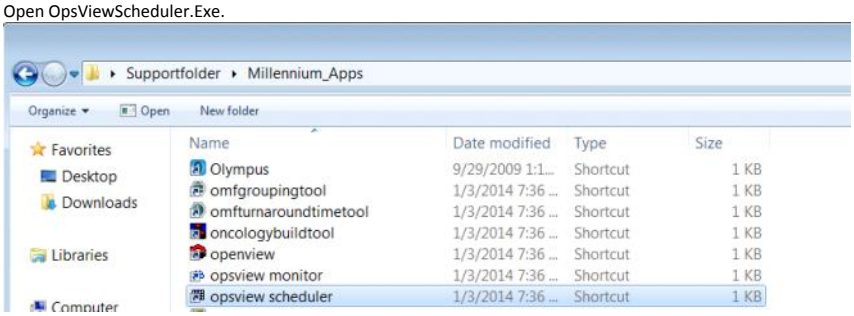
11. In the screen shot above, we are checking the request->batch_selection record to see if it exists. If it does, then we know the program is being executed from operations.
12. We now need to jump to the very end of the program and add a statement to call the layout program.

```
if (iOpsInd = 1)

    execute cov_rt_act_meds_btg_lyt VALUE(filename), VALUE($facility)

endif
```

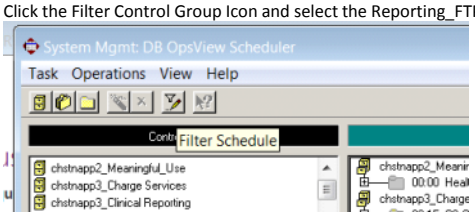
13. The line above will check for the operations variable and if found true, then it will execute the BTG layout.

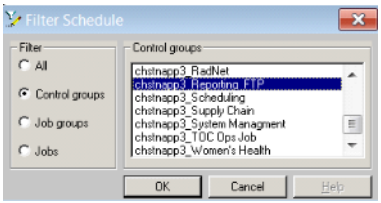
Build the Operations Jobs

1. Open OpsViewScheduler.Exe.

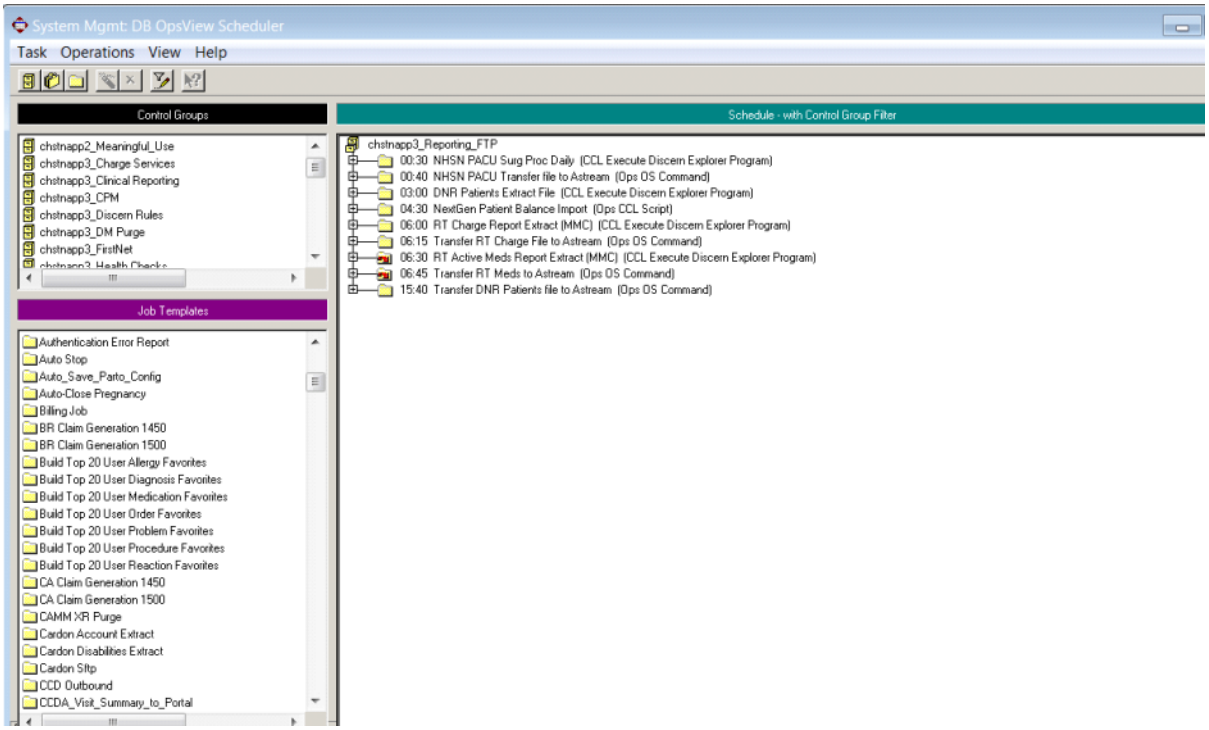


2. Click the Filter Control Group Icon and select the Reporting_FTP control group to filter on.

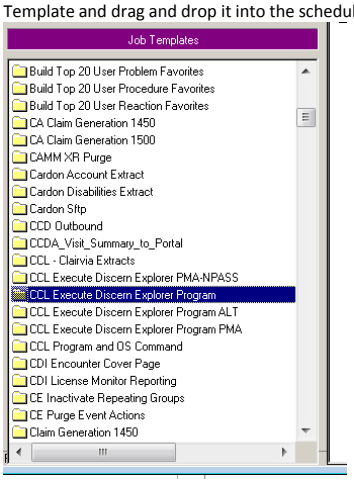




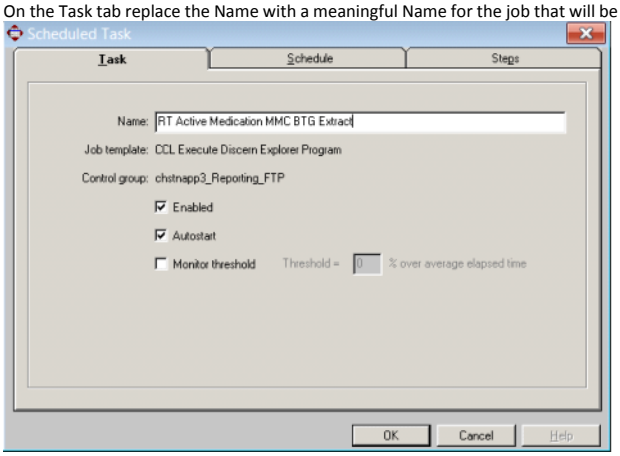
3. You will now see the jobs that have been set up for the Reporting_FTP control group only.



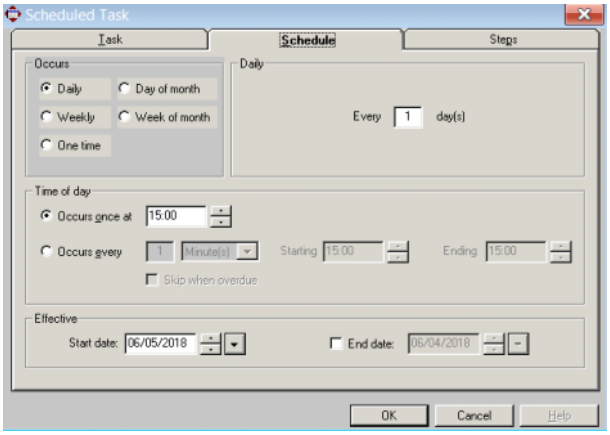
4. In the Job Templates tree, scroll down and find the CCL Execute Discern Explorer Program Template and drag and drop it into the schedule window.



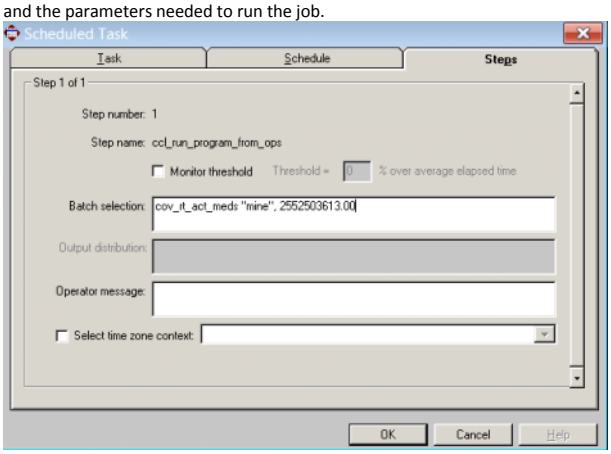
5. On the Task tab replace the Name with a meaningful Name for the job that will be run.



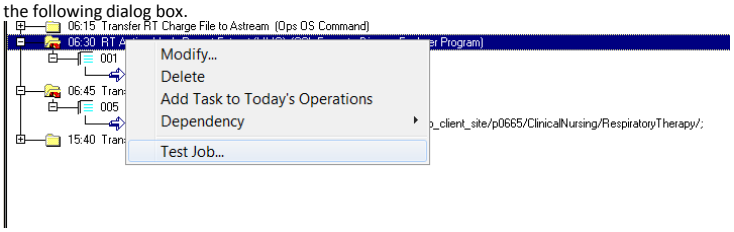
6. Next click the schedule tab and select the schedule you want to run the job at. NOTE: Ops jobs are limited to 4 parallel jobs running at the same time. If you select to run them at the same time as 4 or more jobs, just be aware that the jobs won't execute until the previous jobs finish running.

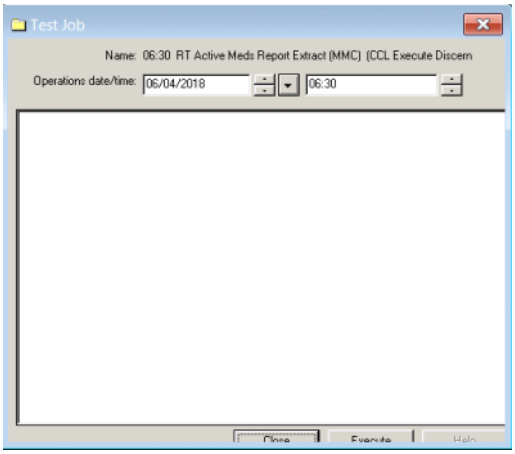


7. You only need to fill out the dates in the effective section above if you need to control when the job will start running. It will always default to start tomorrow.
8. The final step to creating an ops job will be to click on the Steps tab and enter the program name and the parameters needed to run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

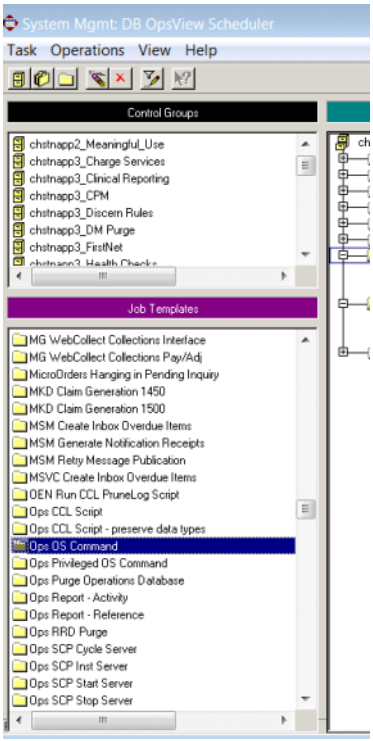


9. Test the job by selecting the job you just created, right click and click on Test Job. Click Execute in the following dialog box.

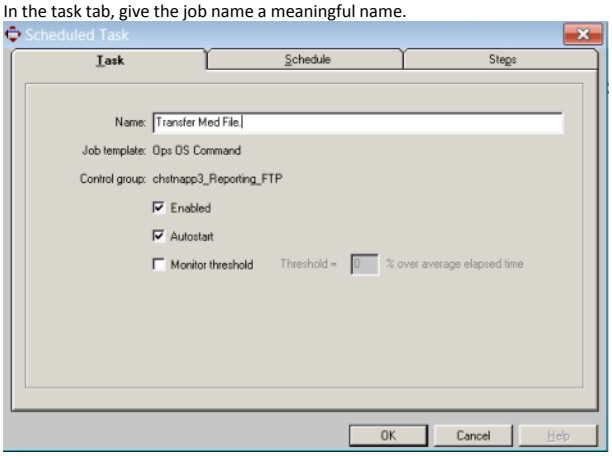




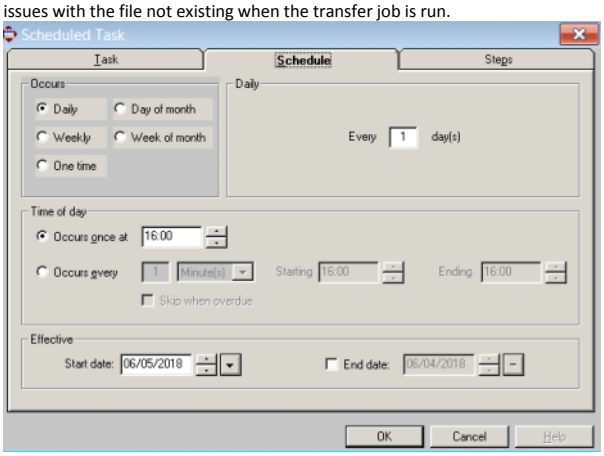
10. If everything worked, then you will get a message telling you the job was successful. If it fails you will get a failure and will need to review the details of the failure.
11. Now, we will need to add the job to do the file move operation.
12. In the Job Templates window, scroll down until you find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



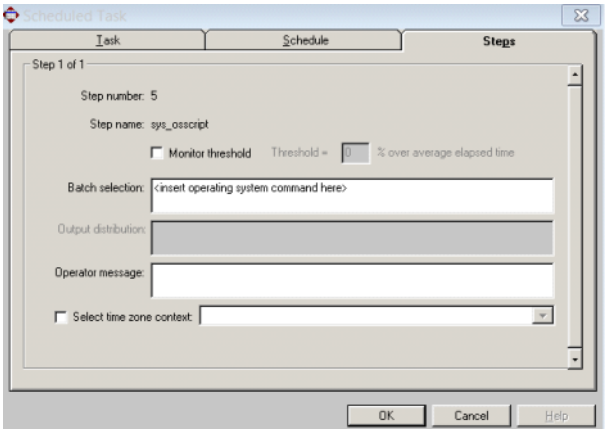
14. In the task tab, give the job name a meaningful name.



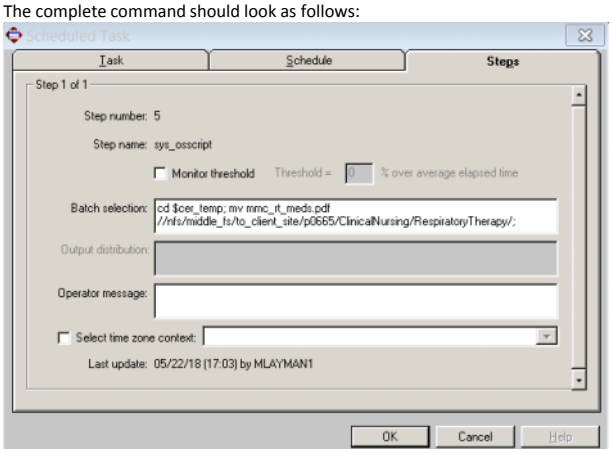
15. Click the Schedule tab and select the schedule time when you want this job to run. Always pick a time at least 5 - 15 minutes past the time you expect the CCL program to run. A good rule of thumb is to run this at 15 minutes past the ccl job run time. This will prevent you from having issues with 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.