

## How to use the .ps1 file to run FCAT

1. On the VM BlueJay: Copy/paste Kayla's runway folder (located at C:\Users\kjohnston\Documents\git\runway) into your user folder
2. Update the variables in the first block of code in the .ps1 script.
3. Uncomment the lines for step 1 FCAT-fvs (FVS set-up). Ensure all lines for all other steps are commented out (in a .ps1 file use a "#" to comment out a line, commented out lines will not run). You only want step 1 to run, once completed you will move on to step 2 and so on and so forth.

```
#####
# Uncomment these commands as needed; they should not need to be edited #
#####
#### 1. FCAT-fvs (FVS set-up) ####
$host_ip = "10.1.30.142"
$port = 1337
$fvs_cmd = -join(' {""scriptArgs"": {""cell-size"": 30, ""project-code""
echo $fvs_cmd
|clojure -M:run -h $host_ip -p $port $fvs_cmd

#### 2. FCAT-rfvs (execute FVS) ####
#$host_ip = "10.1.30.142"
#$port = 1338
# # with exec-baseline arg- leave commented
#$rfvs_cmd = -join(' {""scriptArgs"": {""project-code"": "", $project_c
# # w/o exec-baseline arg- use this
# # $rfvs_cmd = -join(' {""scriptArgs"": {""project-code"": "", $projec
#echo $rfvs_cmd
#clojure -M:run -h $host_ip -p $port $rfvs_cmd
```

This ^^^ is what the script should look like when you are about to run FCAT for the first step, step 1 lines are uncommented and all other lines for all other steps are commented out.

4. Save the changes you have made to the .ps1 script.
5. In the powershell, type the full file path to the .ps1 file you are wanting to run and hit enter. After a few seconds, you'll see the JSON echo'd back to you and a JSON successfully sent to \_\_\_\_ message. This message means there were no errors in the command and it has been sent off to do its work.
6. Give FCAT time to run step 1, you can monitor the file production in the shared drive as a way to "status check" FCAT.
7. Once step 1 is complete, go back to the .ps1 script. Comment out the lines for step 1 and uncomment the lines for step 2. \*Note: there are 2 versions of the JSON for step 2, one with and one without the exec-baseline argument, currently FCAT only works with the JSON without the exec-baseline argument so this is the one you want to uncomment (not both). \*Also note that you should not uncomment lines that are explanatory only. This is what it should look like when you are ready to run step 2:

```
#####
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#####
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$port = 1337
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##### 2. FCAT-rfvs (execute FVS) #####
$host_ip = "10.1.30.142"
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# # with exec-baseline arg- leave commented
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# # w/o exec-baseline arg- use this
$rfvs_cmd = -join(' {""scriptArgs"": {""project-code"": "", $project
echo $rfvs_cmd
| clojure -M:run -h $host_ip -p $port $rfvs_cmd

##### DO NOT USE- SKIP TO 3a. #####
##### 3. FCAT-gridfire #####
$host_ip = "10.1.30.139"
$port = 1336
$x = -join(' {""scriptArgs"": {""project-code"": "", $project_code,
# echo $x
# clojure -M:run -h $host_ip -p $port $x
```

8. Save your changes to the .ps1 script.
9. Return to the powershell, here you'll notice the .ps1 script has cd'd into the directory where your .ps1 script is saved so now all you have to type is `./name_of_your_ps1_file.ps1` followed by enter and the script will run. (Notice the `"cd $script_dir"` at the bottom of the .ps1 script – that line is what leaves the powershell cd'd into the folder where your .ps1 script lives.) You'll see the JSON for step 2 echo'd back to you and a successfully sent message again.
10. Give FCAT time to run step 2. Again, you can monitor the file production in the shared drive as a way to "status check" FCAT.
11. Once step 2 is complete, return to the .ps1 file and comment out the lines for step 2 and uncomment the lines for step 3a (\*Note: step 3 does not work). Save your changes to the .ps1 script, return to the powershell, type the file name like you did in step 9 (^^^) and hit enter.
12. Repeat this process for steps 3b-4.
13. Step 5 (FOFEM) cannot currently be run this way. FOFEM must be ran manually at this time, Dave Schmidt can do this time permitting.
14. Once step 5 is completed, steps 6 & 7 can then be ran using the .ps1 script.