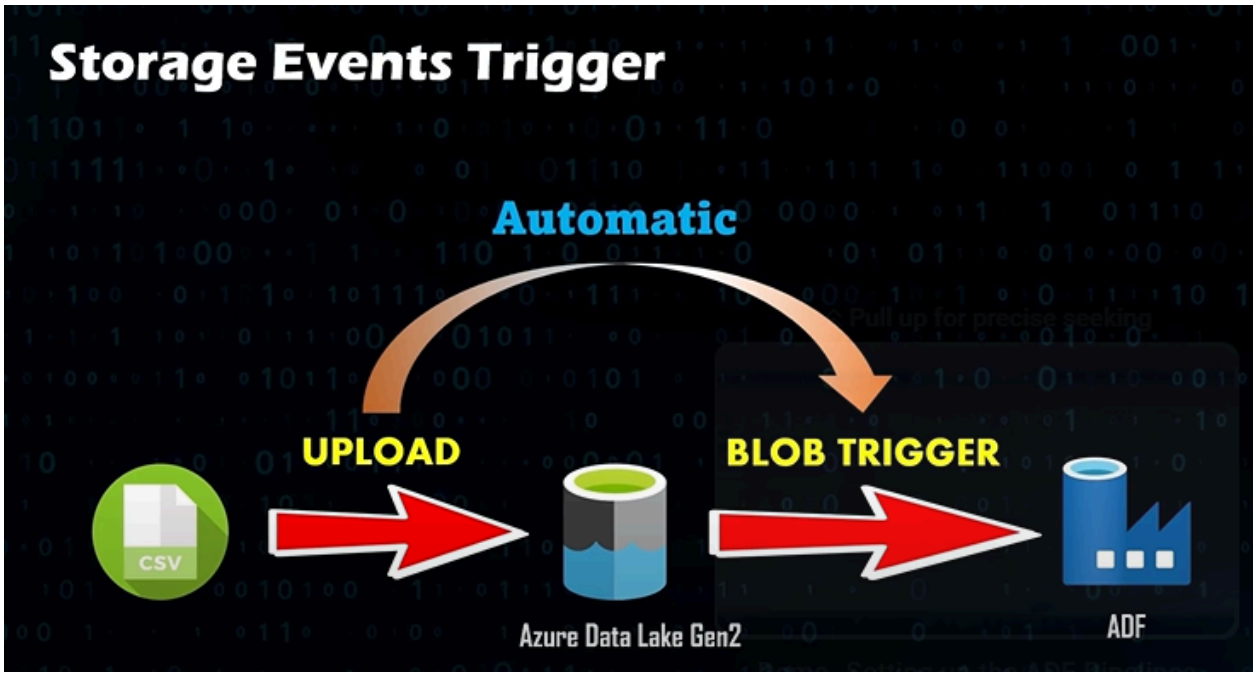
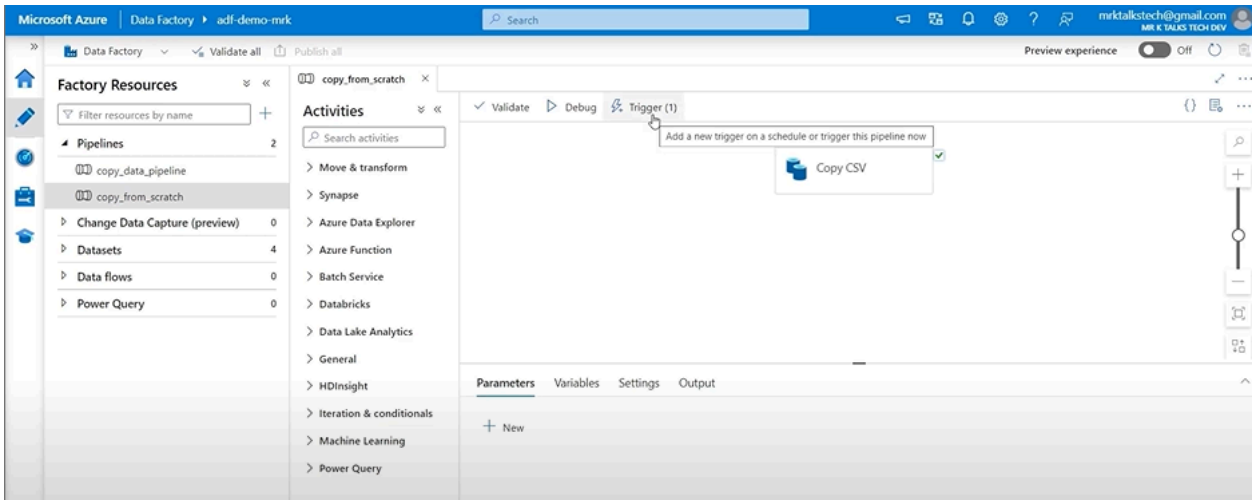
8. Setup a BLOB Trigger

1. Blob trigger(storage event trigger) vs schedules trigger
2. In Storage event trigger….a pipeline is triggered only if there's any event occurs in the storage
3. For example whenever there is a new file in ADL then the it gets trigger

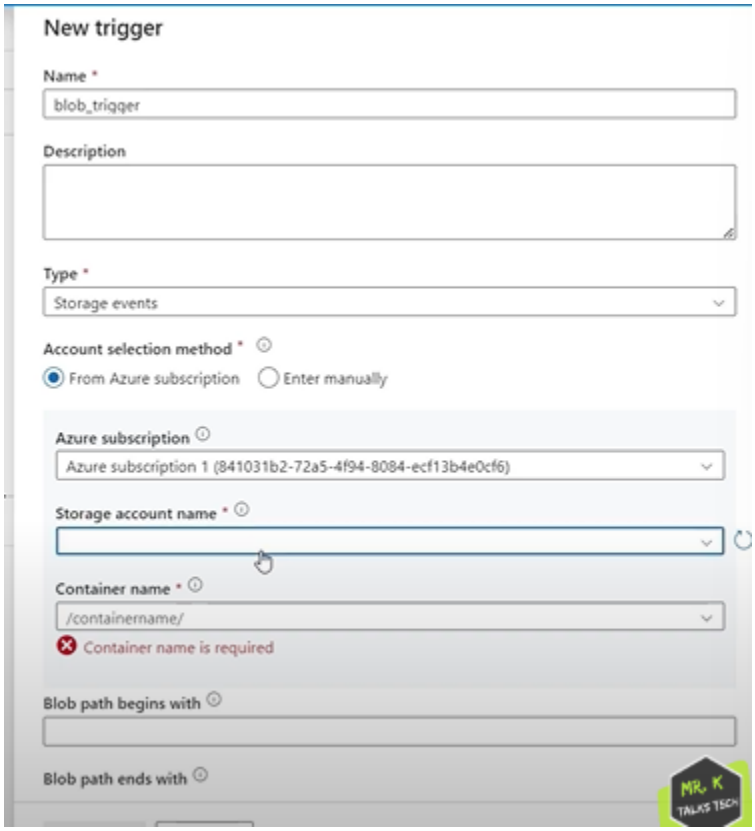


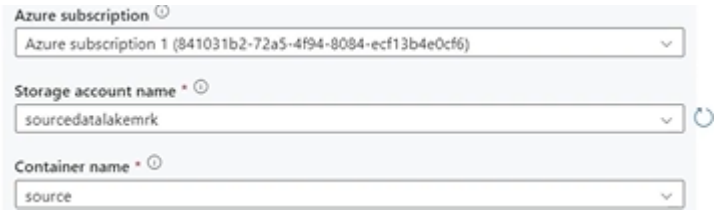
4. Lets see how we can config this trigger
5. Copy from scratch is the pipeline we have created



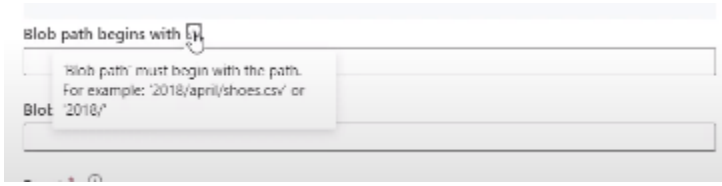
6. Now we'll clone this pipeline 

we'll update the name
7. We'll create a new trigger type-storage events

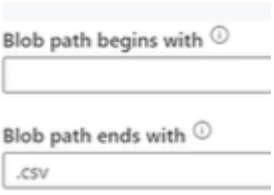


also we need to specify source ADL 

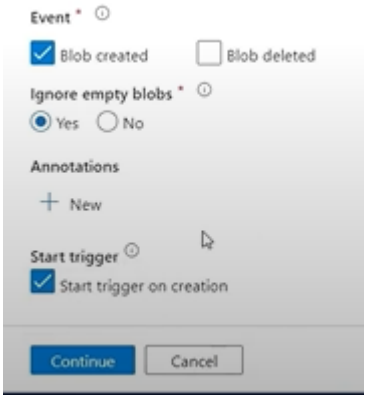
8. The pipeline will get triggered if the path specified in



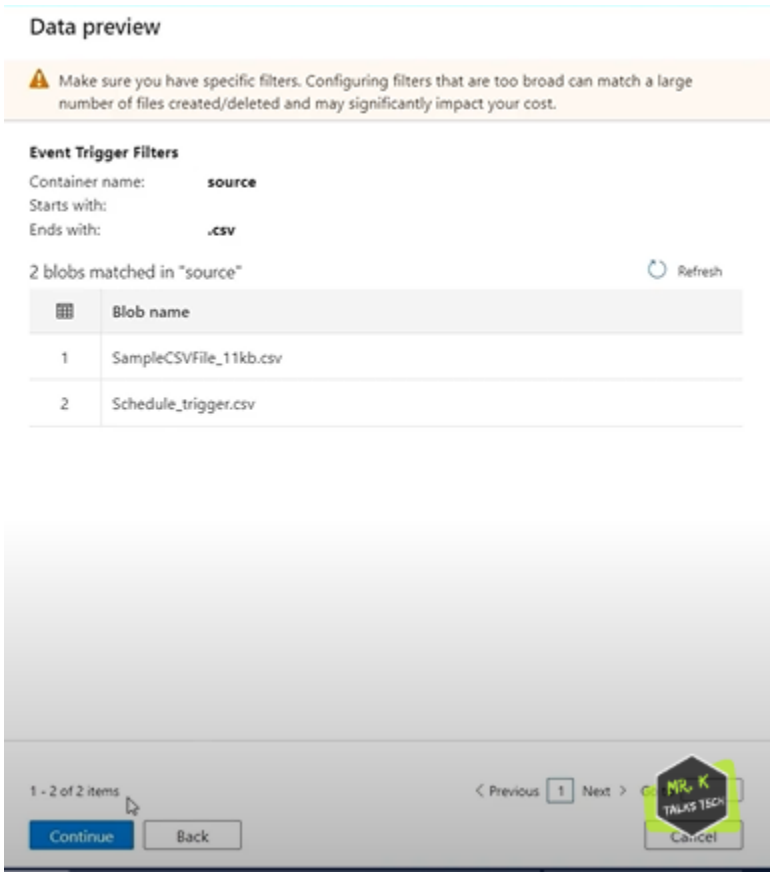
matches

9. Here we have specified 

..so if any file ends with .csv then this pipeline gets triggered

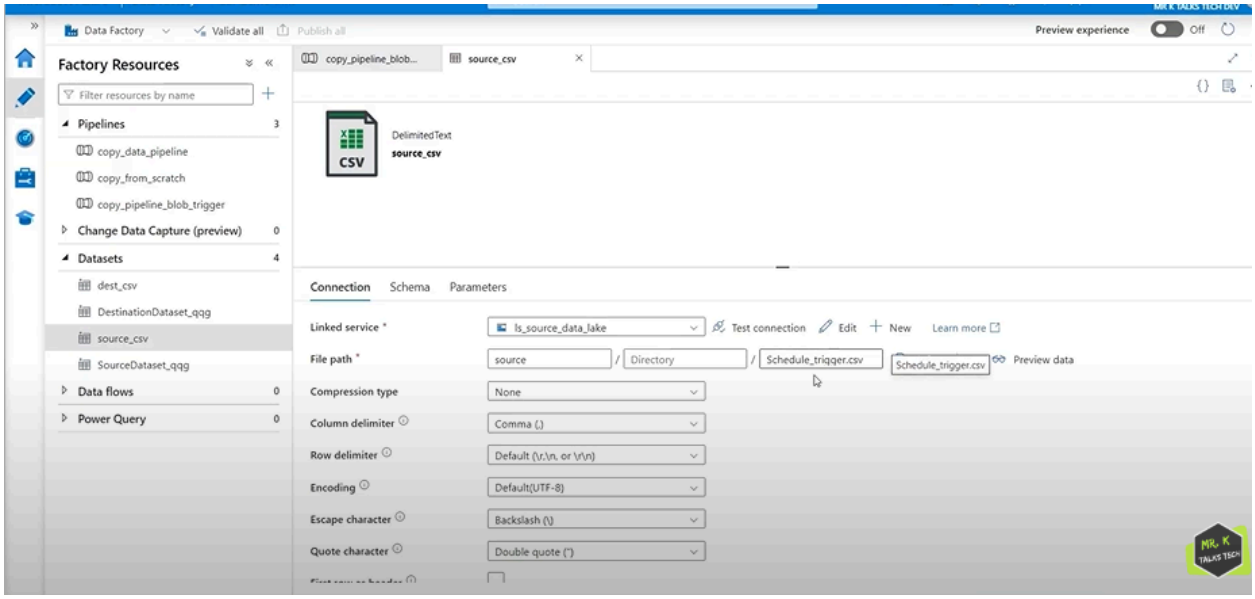


10. Also we have to choose event_type
11. It gives us the matching files just for preview

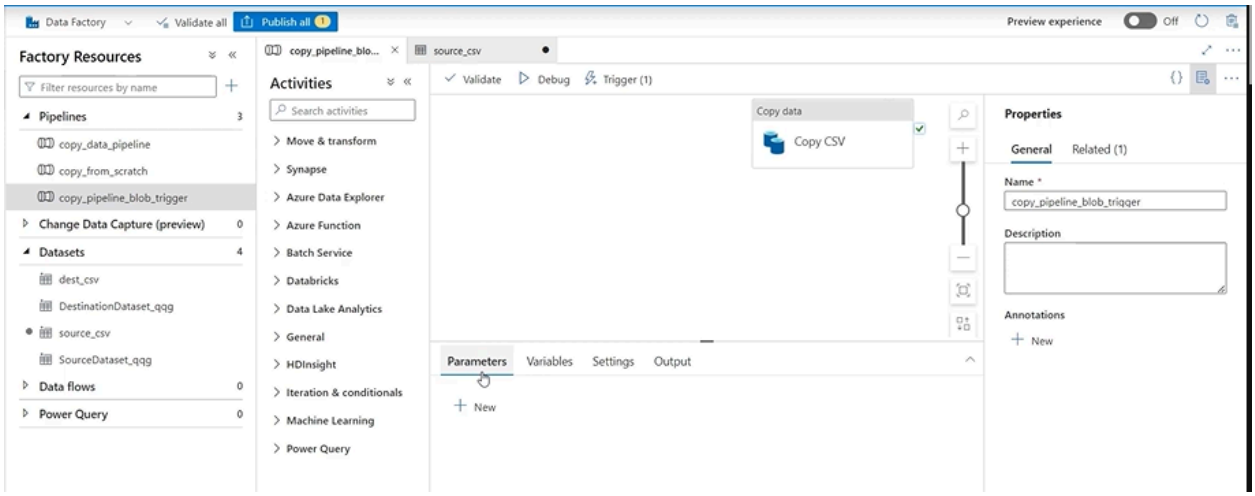


we create the event

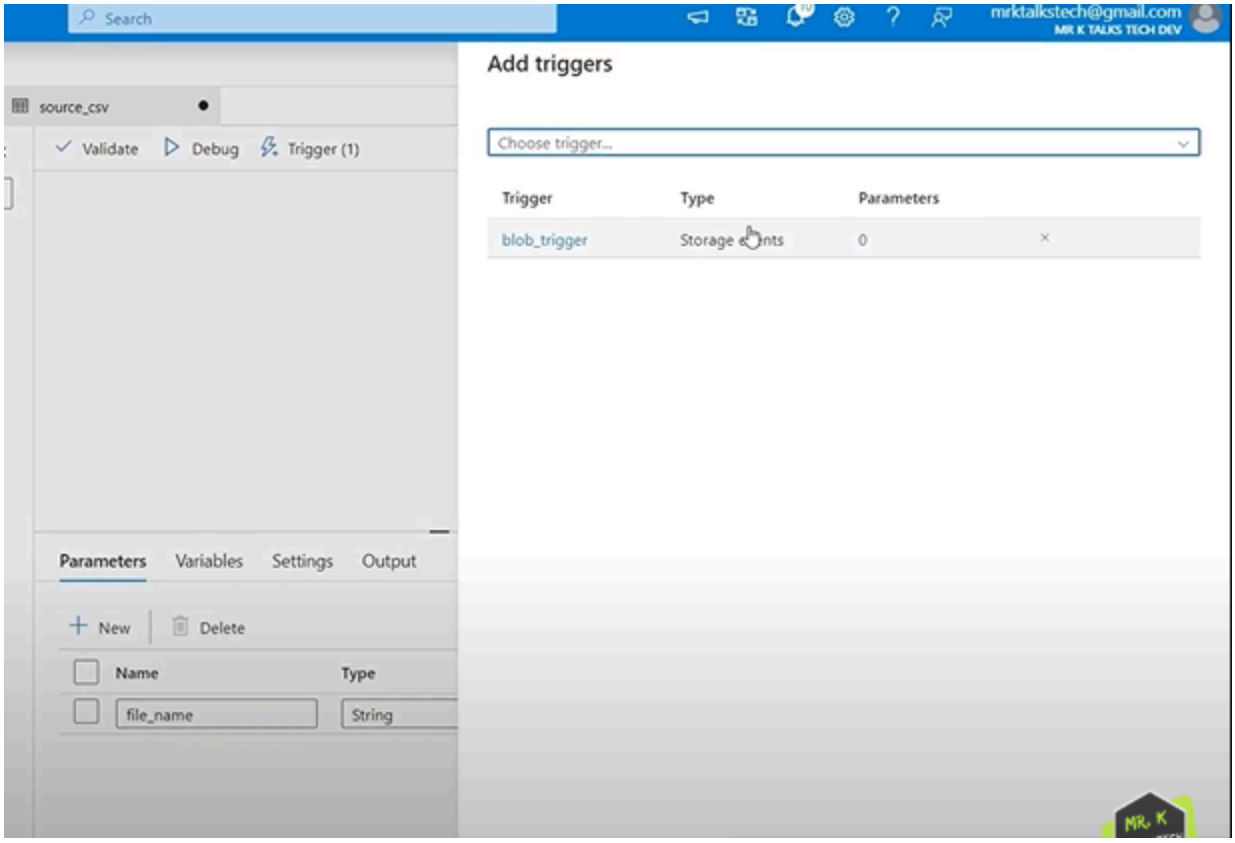
12. Now instead of explicitly file name in the file path in our source in pipeline

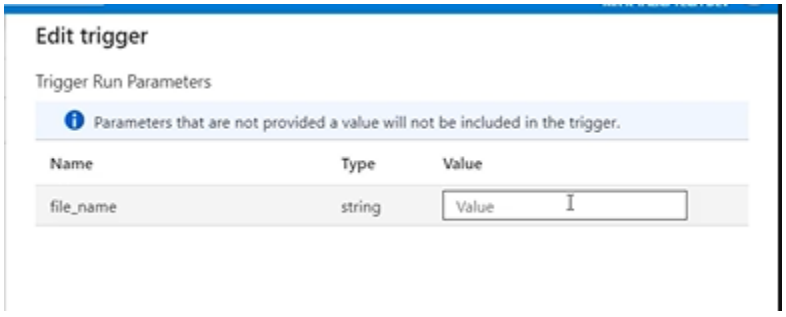


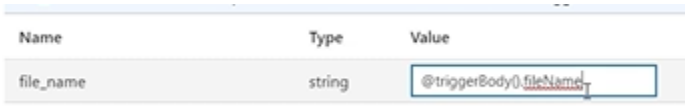
13. We'll pass the parameters …to dynamically get the file name in file path
14. Now go to pipeline and click on white space



15. Here we can create the parameter by clicking new..and we gave name of parameter as file_name..now if we edit our bolb trigger..we can see parameters

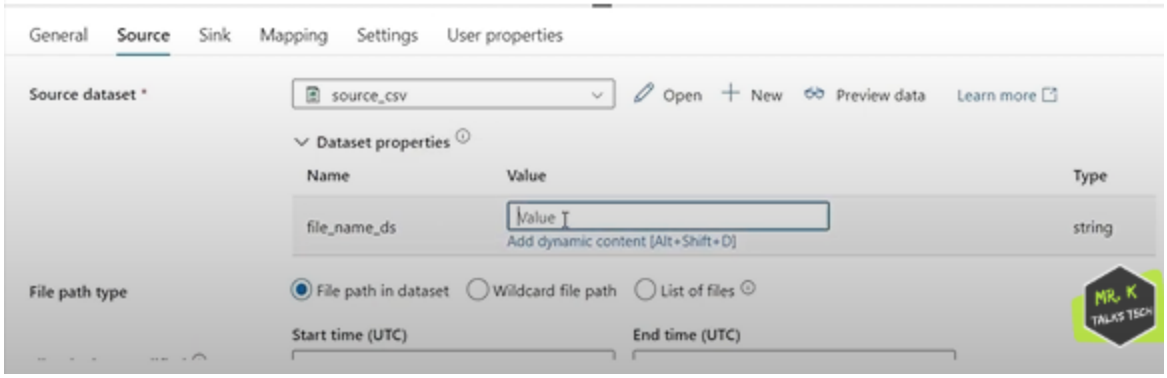




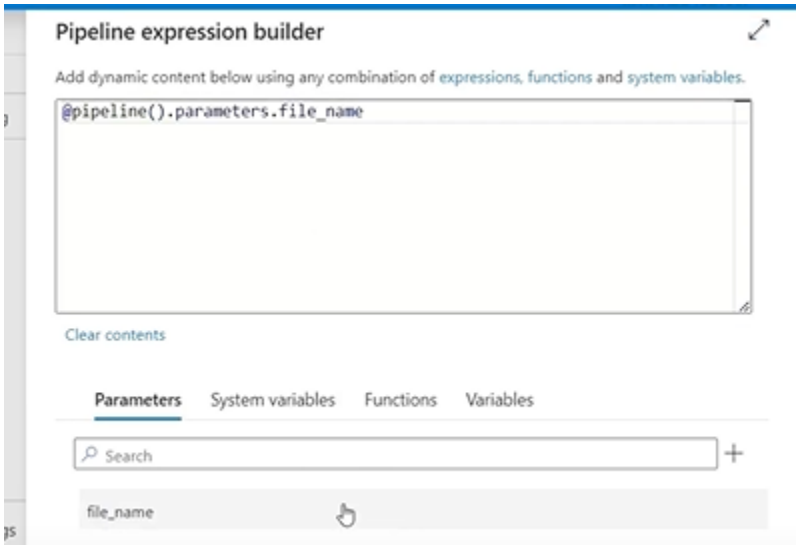


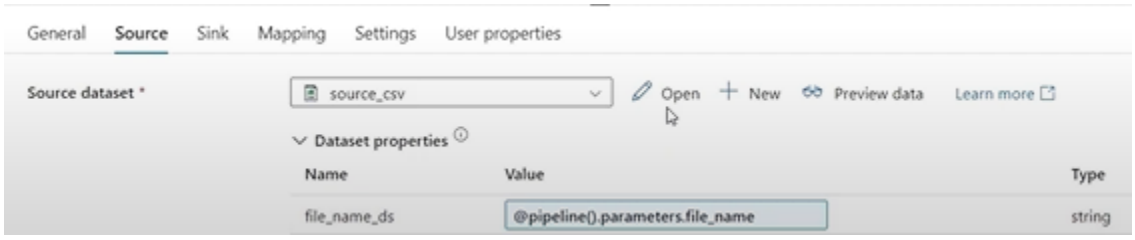
This code will retrieve the file name of the file that has triggered this event

16. Now after that..we go to source tab of our pipeline and add parameters for source dataset



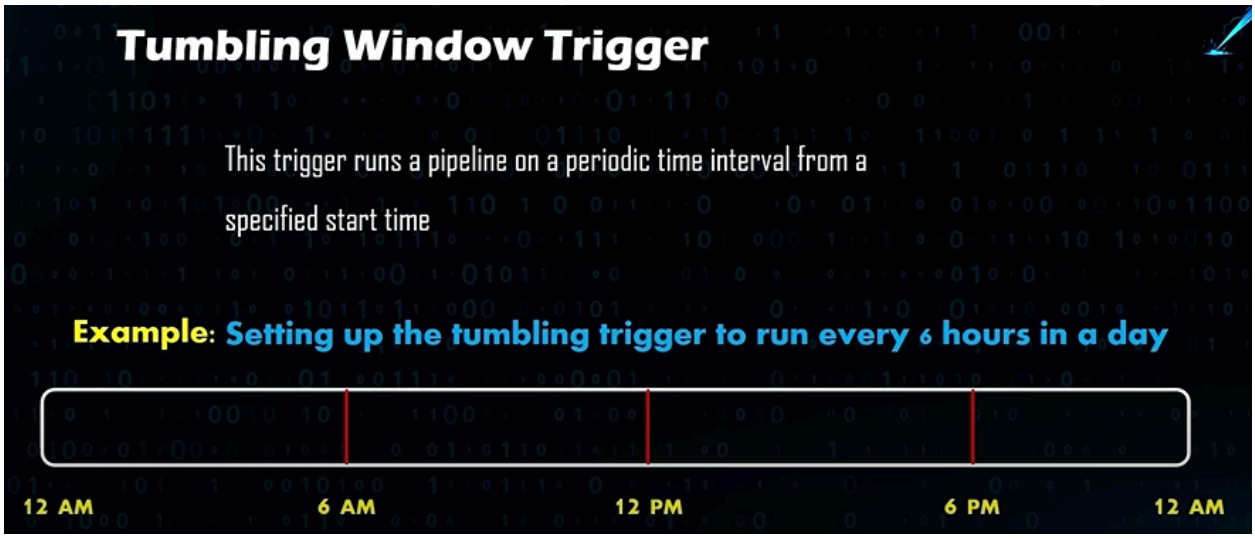
we have to select the dynamic content value and give these value



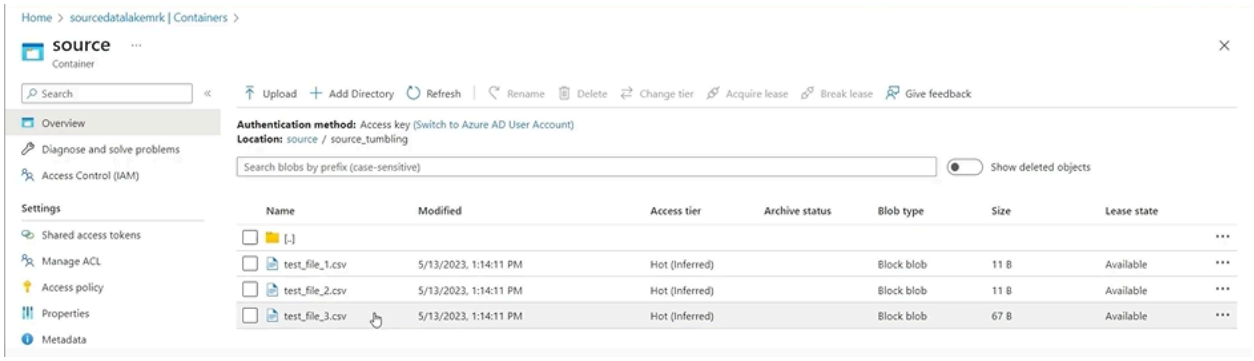


17. Later we run the pipeline …and the copy data activity copies data to dest …as soon as we upload csv file to source ADL

9. Tumbling Window Trigger

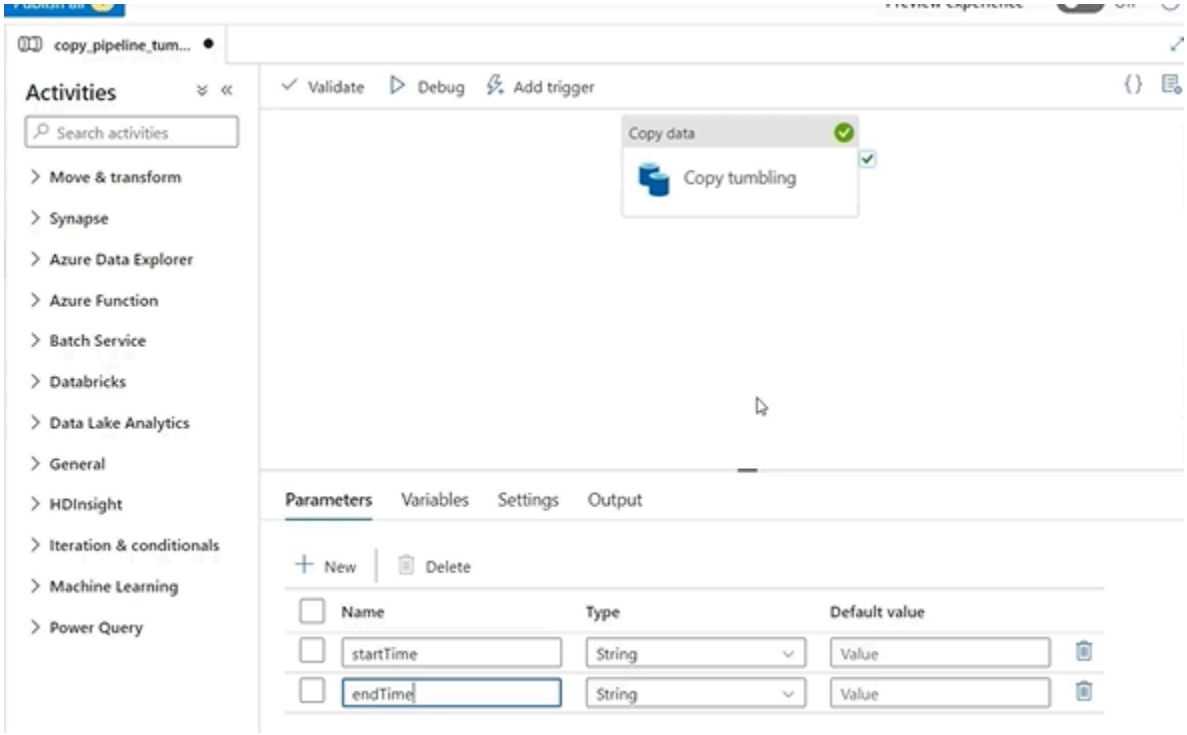
1. 

2. Whats the diff bw scheduled trigger and tumbling window trigger? Once check gemini
3. They both mainly dif in two things
4. In tumbling windows ..we can also triggers pipeline for the past days too
5. And also here we have dependency ..means 2nd trigger get active only after first trigger is completed
6. Practical
7. Here in our source Azure DL…we have source folder inside the source contaoner

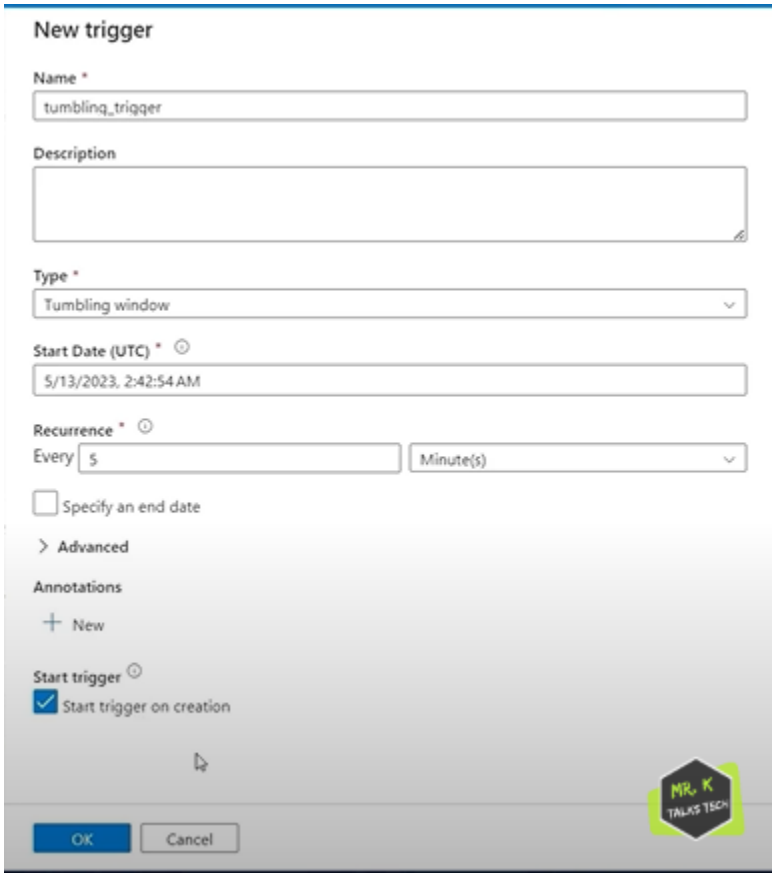


8. Just see the video for demo
9. Implementing incremental load in tumbling window trigger

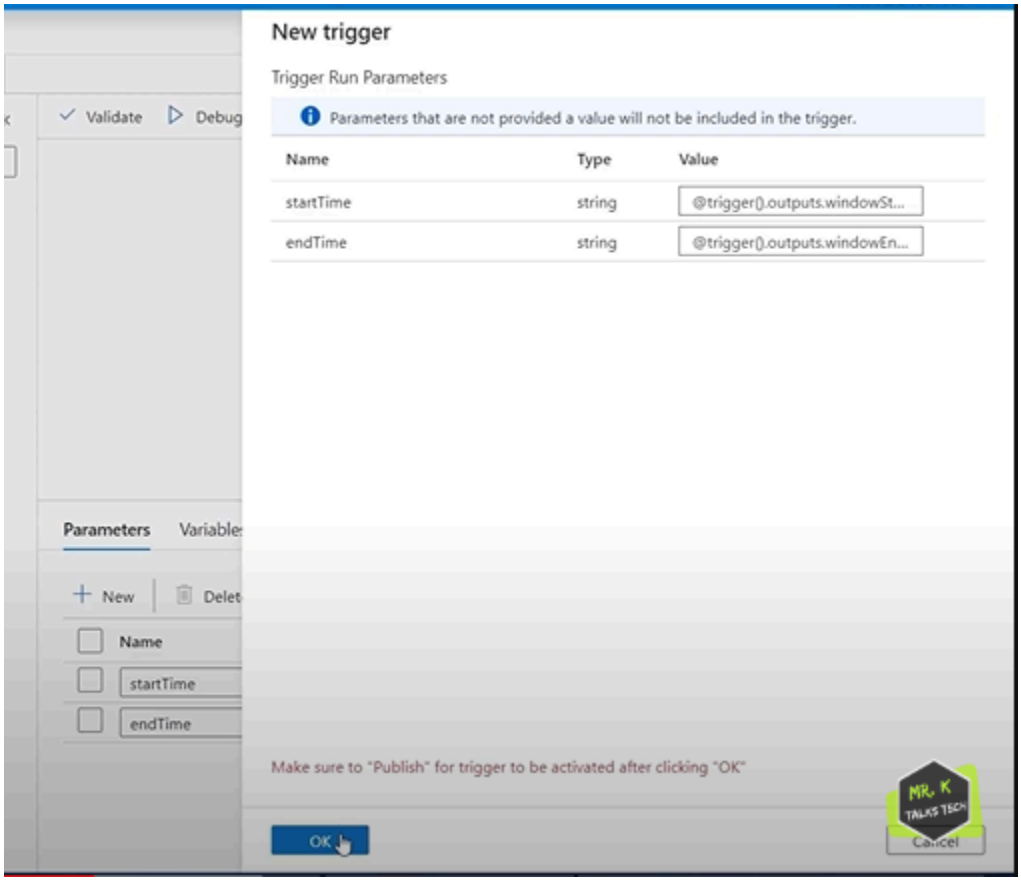
10. First we'll create two parameters in the copy tumbling activity



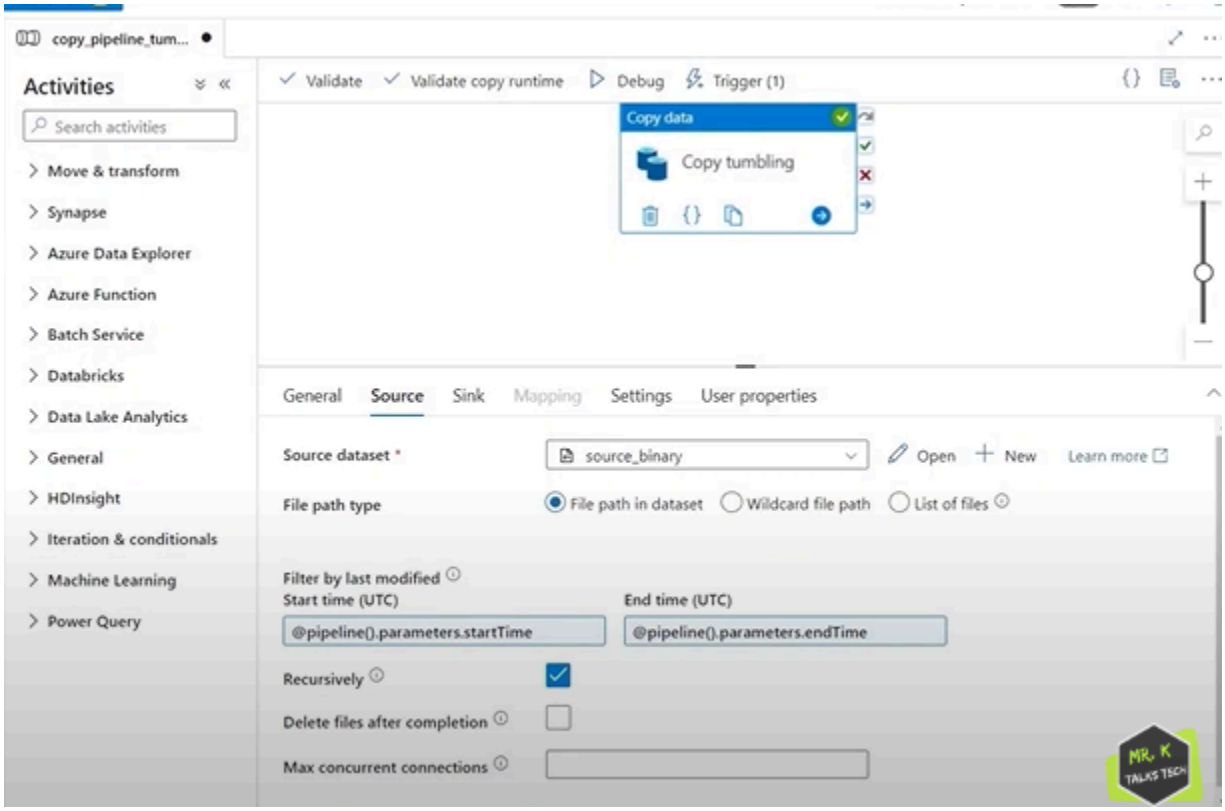
11. Now we'll add our new trigger..by providing required details for the trigger



12. And we get the parameters from our trigger using this script

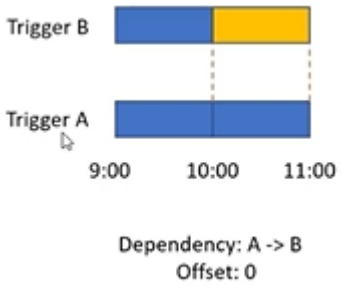


13. Now in the source ..we'll give the starttime and end time value of last trigger

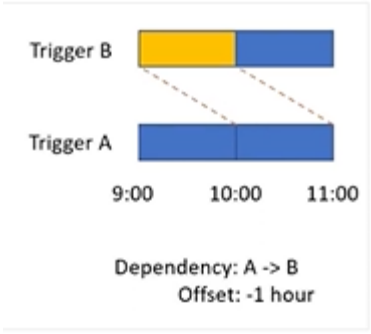


14. Now the pipeline will filter the files in the source based on this start time and end time
15. Means if a new file is added and its modified time lies in the start tme and end time …then this file will get copied
16. Now we'll publish the changes to save our work …after that ..we'll test our pipeline by creating/uploading a new file

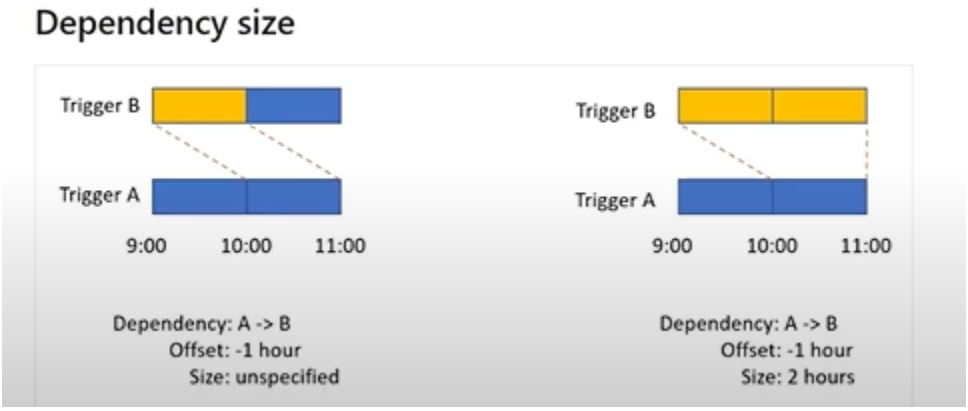
17. Lets understand dependency in Tumbling trigger



18. Dependency Offset = 0 here both the triggers run at same time …but at 10:00 trigger B will wait for trigger A to complete….basically trigger B is dependent on trigger A

19. Dependency Offset = -1 

Here trigger B's 9:00 - 10:00 will be dependent on Trigger A's 10:00 - 11:00

20. 

10. Sending ADF Pipeline Alerts to MS teams

1.