

# Cannot Execute parallel DDL on table


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## Problem:

When we execute the stored procedure (create\_partition) directly, it is executed successfully and we could see the partitions created along with the shards. But when we are scheduling the same procedure in pgCron, it is giving following error:

error creating partition : cannot execute parallel DDL on table 'table1' after DDL command on reference table 'table2' because there is a foreign key between them and 'table1' has been accessed in this columnname not:

pg\_cron: pg\_cron can run multiple jobs in parallel, but it runs at most one instance of a job at a time. If a second run is supposed to start before the first one finishes, then the second run is queued and started as soon as the first run completes. This ensures that jobs run exactly as many times as scheduled and don't run concurrently with themselves. Doc: <https://www.citusdata.com/blog/2016/09/09/pgcron-run-periodic-jobs-in-postgres/> 

Solution/Recommendation: ===== Work with SET LOCAL citus.multi\_shard\_modify\_mode TO 'sequential'? and test the code again

Example: set citus.multi\_shard\_modify\_mode TO 'sequential';

Error: blob:<https://onesupport.crm.dynamics.com/778cfee5-3c7e-4f13-abe8-c20820189481> 

blob:<https://onesupport.crm.dynamics.com/a991b0a0-c375-474d-8544-429d312fb468> 

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