The sys.dm_pdw_request_steps DMV is one way to review the metadata regarding the data move operation, if any for the respective query.

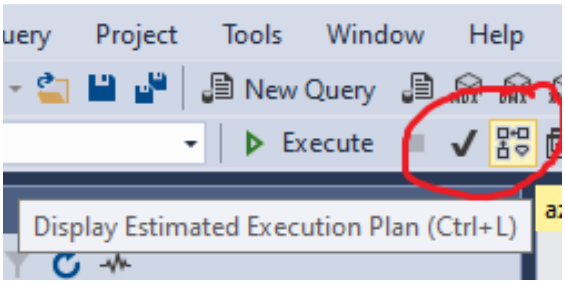
```
SELECT * FROM sys.dm_pdw_request_steps
WHERE request_id = 'QID224136' --Place your request_id here from the prior step.
ORDER BY step_index;
```

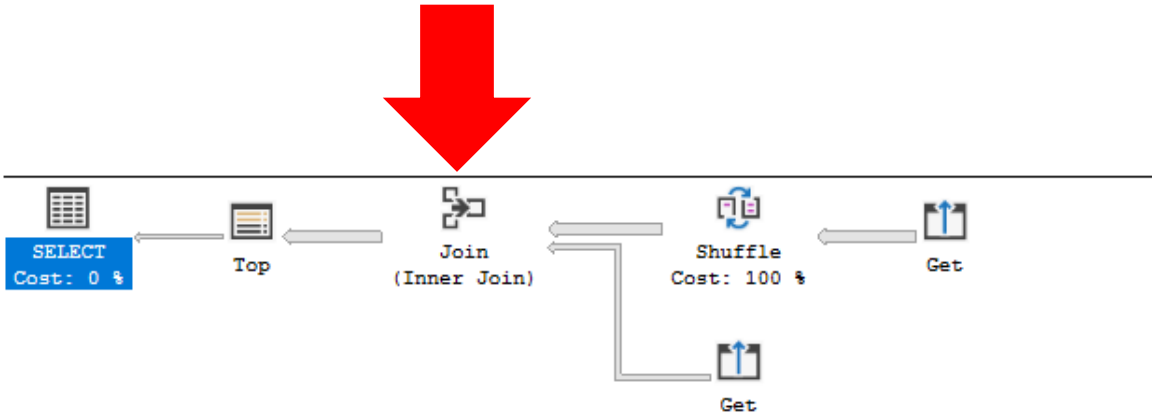
Results | Messages

	request_id	step_index	plan_node_id	operation_type	distribution_type	location_type	status	er
1	QID571589	0	-1	RandomIDOperation	Unspecified	Control	Complete	N
2	QID571589	1	-1	OnOperation	AllComputeNodes	Compute	Complete	N
3	QID571589	2	5	BroadcastMoveOperation	AllDistributions	Compute	Running	N
4	QID571589	3	10	ReturnOperation	AllDistributions	Compute	Pending	N
5	QID571589	4	-1	OnOperation	AllComputeNodes	Compute	Pending	N

	request_id	step_index	plan_node_id	operation_type	distribution_type	location_type	status
1	QID224136	0	-1	OnOperation	Unspecified	Control	Complete
2	QID224136	1	-1	PartitionMoveOperation	AllDistributions	Compute	Complete
3	QID224136	2	-1	PartitionMoveOperation	Unspecified	Control	Complete
4	QID224136	3	13	ReturnOperation	Unspecified	Control	Complete
5	QID224136	4	-1	OnOperation	Unspecified	Control	Complete

SSMS the “Display Estimated Execution Plan” in the GUI, represents another option to review the estimated distributed query plan’s data movement required to fulfill the query. When reviewing query joins, it is key to not have any data movements that may be a bottleneck. Consider recreating the distribution of a table if multiple queries are using the same join key. That the table is not distributed under if they are unable to add the current key.




SELECT
Cost: 0 %
Top
Join
(Inner Join)
Shuffle
Cost: 100 %
Get
Get