

[SAP ODP] Performance issue

Last updated by | Zhangyi Yu | Oct 8, 2022 at 8:13 PM PDT

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Issue

Customer complained on the performance.

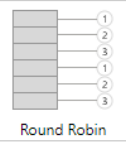
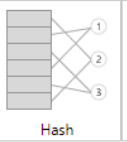
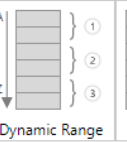
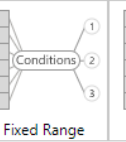
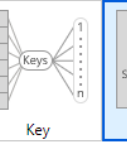
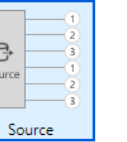
Resolution

- Using SAP source partitions to read data from SAP server in parallel.

Source settings Source options Projection **Optimize** Inspect Data preview ●

Partition option * ☐ Use current partitioning ☐ Single partition ☒ Set partitioning

Partition type *










Number of partitions

Partition read via * ☐ Column ☒ Query condition

Partition conditions *

Field name	Operator	Value		
MOVIEID	Between	1	2	+ -
MOVIEID	Equal	4		+ -
MOVIEID	Between	20	100	+ -
Title	Like	Robom*		+ -

- Using powerful machine (high CPU/memory + multiple core number) to install and online self-hosted integration runtime, then run MDF SAP against it.
- Using high availability of self-hosted integration runtime to handle MDF SAP execution in parallel.
 - <https://www.techtalkcorner.com/self-hosted-integration-runtime-cluster/> 
 - <https://learn.microsoft.com/en-us/azure/data-factory/create-self-hosted-integration-runtime?tabs=data-factory#high-availability-and-scalability> 
- Using big size (or memory optimized) spark cluster to run MDF SAP.

Additional Information:

- Icm Reference: N/A
- Author: Zhuoyang Zhang
- Reviewer: Zhangyi Yu; Xiaojin Wang