Hi Zsolt,

We have a 99% availability SLA, and the current model refresh process does not support this requirement.

The model refresh is **event-driven**, triggered whenever new data becomes available for loading from the Databricks data model. This occurs multiple times throughout the day, with a **daily data volume of approximately 180GB**. Given this scale, **performance during the Power BI refresh process is significantly impacted**—both due to the sheer volume of data being processed and the computational overhead of model recalculation.

**Enabling Query Scale-Out** would allow us to create **replicated instances** of the dataset to distribute query load more efficiently. This approach designates separate **READER** and **WRITER** replicas, where:

* The **writer replica** is dedicated to performing refresh operations.
* The **reader replicas** remain available for users to run queries without being affected by refresh performance.

This setup ensures that user queries are not disrupted during refresh cycles, helping us maintain high availability and improve overall system responsiveness.

For further details on how **Query Scale-Out** works within Power BI and its impact on refresh performance, please refer to the official Microsoft documentation:  
 [Power BI Query Scale-Out](https://learn.microsoft.com/en-us/power-bi/enterprise/service-premium-query-scale-out)

Let us know your thoughts on enabling this feature.

Best regards,  
 [Your Name]