Power BI Desktop has issues on parsing Queries in Direct Query mode. It always resolves the front end input SQL statement as a derived table so that statements like DECLARE, CTE will cause syntax error. We have reported this issue internally.

Syntax error would happen when directly using declare or if in sql, thus the store procedure is used for obtaining the data. (Also tried the OpenQuery)

1. The EXECUTE permission was denied on the object when executing “Exec(‘dbo.SP\_’)”

**Solution1:** GRANT EXEC ON dbo.SP\_OPSContributionAnalysis TO PUBLIC

**Solution2: The account doesn’t have execution permission. Enter an account with more permissions.**

1. Incorrect syntax near the keyword ‘EXEC’. Incorrect syntax near ‘)’.

**Solution:** Use OpenQuery

SELECT \* FROM OPENQUERY (Localserver,'SET NOCOUNT ON;SET FMTONLY OFF;EXEC MSDNInsight.dbo.SP\_');

The OPENQUERY only returns the first result set although existing many result sets by query. But luckily, PowerBI also only supports one result set.

Details at: <http://lanmh.iteye.com/blog/495951>

1. The metadata could not be determined because statement uses a temp table.

**Solution:** **Change temporary table to variable table.**

1. The metadata could not be determined because every code path results in an error.

**Solution: Using “with result sets”**