**Migration Strategy**

**Q2**: For the migration of the MS Sql server to postgres, there are multiple licensed / free tools available in market like

* **AWS-SCT**
* **AWS-DMS**
* **ISpirer**
* **QuerySurge**
* **DBConvert**
* **SSIS**
* **SQL Server Import and Export Wizard**
* **sqlserver2pgsql**

**Q3:** Issues faced while migration activity

**Issue1**: Data type conversion issue.

Sln: modified all non-supported data types (Ex: DATETIME to TIMESTAMP, NVARCHAR to VARCHAR, NTEXT to TEXT, etc)

**Issue2**: Case sensitivity issue

Sol: Applied the Lower() function in the place where case sensitity issue occurs.

**Issue3**: “GO” in sql server scripts

Sol: Replaced with “;”

**Issue4**: Square brackets around the schema name and object names in sql server scripts

Sol: Replaced with double quotes ‘””

**Issue5**: Non supported keywords like “WITH RECOMPILE”, “GO”, etc

Sol: Removed those keywords from the script

**Issue6**: Calling of the nested stored procedure

Sol: Replaced the EXEC keyword with CALL

**Q4:** Roadmap for the Transition

The below steps to be taking care of the roadmap for the transition.

1. Prior Analysis of the Source database schema and data.
2. Choosing the right migration tool for the activity.
3. Handy the proper conversion mechanisms like data type conversion knowledge, data validation scripts, etc.
4. Run the migration activity in the replica of the production database to make sure the migration happens within specified downtime without any issues.
5. Update to the application users regarding the downtime and run the migration in real time environment.
6. Document the migration activity plan after successful migration for the future references.