Assessment:

A. Migration of sample database

1. Configure the Northwind sample database from this link (**https://github.com/Microsoft/sql-server-samples/tree/master/samples/databases/northwind-pubs**) and configure that locally.

2. Use any method or toolkit to migrate this to PostGRE. Create a runbook to explain the steps involved in configuration, mentioning the special aspects to be considered based on your own experience.

3. Any incompatibility needs to be noted and an approach identified for fixing that out.

B) Migration Strategy

1. A client has an SQL Server database that has SSIS jobs, and a Service Broker configured on it. The database is approximately 10TB in size and grows about 10GB monthly. It currently uses 24-core VCPU and 256GB of RAM under SQL Enterprise Edition 2016. This is a transactional database that has a max downtime limit of 4 hours on special update events.

2. What will be the strategy to migrate such a database to PostGRE considering the size and transactional volume? Mention any tooling (open-source or proprietary) that can ease out this process.

3. What can be the issues being faced and possible mitigation plan?

4. What will be the roadmap for the transition and what factors will determine the timelines of such a migration?

Please find below the Company Profile.

SourceFuse Inc. is transforming the way today's most successful companies develop breakthrough roadmaps leveraging cloud-based technologies.
A leading AWS Advanced Consulting Partner, SourceFuse has delivered over 600 AWS implementations that boost efficiency, ensure compliance, deliver actionable insights, and lower the total cost of ownership.

We have a global presence, with offices in Florida, the USA, the UK, Australia, and Noida, Mohali, Hyderabad India. With more than 15 years of deep expertise, commitment to digital innovation, service excellence, and customer success, we enable enterprises through application modernization and Windows migration services of legacy workloads.

You can visit us at:
Website: www.sourcefuse.com
LinkedIn: https://www.linkedin.com/company/sourcefuse-technologies/