Objective: Setup log based shipping standby in Windows.

Initial Setup Master Database :

1. Shutdown Master database
2. Ensure that Postgresql is running with administrator privileges.
3. Modify the content of postgres.conf file and edit parameters archive\_on, archive\_command and archive\_timeout.

Initial Setup Standby Database:

1. Ensure that postgresql is running with administrator privileges
2. Create a share drive on standby which is accessible by Master user.
3. Shutdown postgresql on standby
4. Delete all the contents of /Data directory

Steps:

1. Startup postgresql on Master database
2. Connect to the database using psql shell
3. Issue connect pg\_start\_backup

Syntax : select pg\_start\_backup(‘dbrep’);

1. Copy Data directory for master to standby.
2. End backup on master.

Syntax : select pg\_stop\_backup();

1. Comment out archive\_on, archive\_command and archive\_timeout parameters in postgresql.conf in standby server.
2. Setup recovery command in postgresql.conf

Syntax : copy “C:\\archiveDir\\%f” “%p”

1. Create a standby.signal file in data directory.

Fsutil file createnew standby.signal 0

1. Start postgres on standby server
2. Check the log files whether the postgres has entered standby mode and accepting read only connections.

Test Standby Database:

1. Try to create table and insert few records on master and check whether they are populated

On the standby .

2 ) try to create a table on standby or delete any records on standby

Failover:

1. Shutdown postgresql on master and check whether it affects standby
2. Promote your standby database to primary. Use any of the 3 methods

Select pg\_promote();

1. Check signal.standy exist or not.
2. Bring up the postgresql old master server and try to create a table there and check whether

Its replicated.