Objective : Monitoring Replication

On Standby : To check whether standby is in recovery or not

select pg\_is\_in\_recovery();

On Master:

1. Select \* from pg\_stat\_replication;

Query to find current wal lsn:

Select \* from pg\_current\_wal\_lsn();

On Standby :

Query to check what was the last wal\_lsn received:

Select \* from pg\_last\_wal\_receive\_lsn();

Query to find the difference between lsn:

select pg\_wal\_lsn\_diff('0/23000073','0/3342343');

To find the difference in MB:

Select round(67213032/pow(1024,2.0) ,2) missing\_in\_mb;

On Master:

Query to find the physical name of wal file:

select pg\_walfile\_name('0/23000073');

Other useful queries:

Query to monitor incoming replication:

select \* from pg\_stat\_wal\_receiver;

Query to find last received lsn:

select pg\_last\_wal\_receive\_lsn();

Query to find last replayed lsn:

select pg\_last\_wal\_replay\_lsn();

Query to find replication slots:

select \* from pg\_replication\_slots;

Query to find replay lag, receiving lag:

select pid,application\_name,pg\_wal\_lsn\_diff(pg\_current\_wal\_lsn(),sent\_lsn) sending\_lag,

pg\_wal\_lsn\_diff(sent\_lsn,flush\_lsn) receiving\_lag,

pg\_wal\_lsn\_diff(flush\_lsn,replay\_lsn) replaying\_lag,

pg\_wal\_lsn\_diff(pg\_current\_wal\_lsn(),replay\_lsn) total\_lag,

from pg\_stat\_replication;