M->S(relay master)->S

| Node1 (master) | Node2 (relay master)(replica) | Node3 (replica) |
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| >vi my.cnf  **Note**: you should enable binary.log  [mysqld]  basedir=/home/mysql\_8\_2  datadir=/home/node1/mysql\_1  port=3306  server\_id=7  socket=/tmp/node1.sock  #Error log  log\_error =/home/node1/error\_3308.log  #general log  general\_log=on  general\_log\_file=/home/node1/error\_general.log  #binary log  log-bin=/home/node1/binary/error\_binary.log  #slow query log  slow\_query\_log = 1  slow-query\_log\_file=/home/node1/error\_slow.log  long\_query\_time = 2 | >vi my.cnf  **Note:** you should enable binary.log, relay.log, and log slave update  **log slave update:** It helps to write relay.log data to the binary log then node 3 IO thread easy pull data from node 2 binary log  [mysqld]  basedir=/home/mysql\_8\_2  datadir=/home/node2/mysql\_2  port=3309  server\_id=4  socket=/tmp/node2.sock  #Error log  log\_error =/home/node2/error\_3308.log  #general log  general\_log=on  general\_log\_file=/home/node2/error\_general.log  #binary log  log-bin=/home/node2/binary/error\_binary.log  #slow query log  slow\_query\_log = 1  slow-query\_log\_file=/home/node2/error\_slow.log  long\_query\_time = 2  #relay log  relay\_log = /home/node2/relay/relay.log  log\_slave\_updates = 1 | >vi my.cnf  [mysqld]  basedir=/home/mysql\_8\_2  datadir=/home/node3/mysql\_3  port=3310  server\_id=5  socket=/tmp/node3.sock  #Error log  log\_error =/home/node3/error\_3308.log  #general log  general\_log=on  general\_log\_file=/home/node3/error\_general.log  #binary log  #log-bin=/home/node3/binary/error\_binary.log  #slow query log  slow\_query\_log = 1  slow-query\_log\_file=/home/node3/error\_slow.log  long\_query\_time = 2  #relay log  relay\_log = /home/node3/relay/relay.log |
| **Create user in master for slave DB**  >create user "antrow"@"localhost" identified by "mano";  > grant replication slave on \*.\* to antrow@'localhost';  (or)  >grant replication slave on \*.\* to ‘antrow’@'localhost' identified by "antrow"; | **Create user in master for slave DB**  >create user "mano"@"localhost" identified by "mano";  > grant replication slave on \*.\* to 'mano'@'localhost';  (or)  >grant replication slave on \*.\* to 'mano'@'localhost' identified by "mano"; |  |
| **Note:**  >If the server's new we no need to take backup.  >If data is there in master we need to take backup and restore it to the slave  **mysqldump**  >mysqldump -u root -p -S /tmp/node1.sock --all-databases >node1.sql | **Note:**  >If the server's new we no need to take backup.  >If data is there in master we need to take backup and restore it to the slave  **Restore**  >mysql -u root -p –S /tmp/node2.sock <node1.sql | **Note:**  >If the server's new we no need to take backup.  >If data is there in master we need to take backup and restore it to the slave  **Restore**  >mysql -u root -p –S /tmp/node3.sock <node1.sql |
| **Check binlog position**  >Show master status;  master\_log\_file='error\_binary.000003master\_log\_pos=888 |  |  |
|  | **Enable replication on slave db for connect to the master**  >change master to  master\_host='127.0.0.1',master\_user='antrow',master\_password='antrow',master\_port=3306,master\_log\_file='error\_binary.000003',master\_log\_pos=888; |  |
|  | >Start slave\G  Slave\_IO\_Running: Yes  Slave\_SQL\_Running: Yes  >Stop slave\G  Slave\_IO\_Running: No Slave\_SQL\_Running: No |  |
|  | **Check binlog position**  >Show master status;  master\_log\_file='binlog.000002’  master\_log\_pos=1710 |  |
|  |  | **Enable replication on slave db for connect to the master**  >change master to  master\_host='127.0.0.1',master\_user=’mano’,master\_password=’mano’,master\_port=3306,master\_log\_file='binlog.000002',master\_log\_pos=1710;  Note:  Master\_host —> master ip  Master\_user —>we create user before in master that username  Master\_password—--> that user password  Master\_port —---> master server post  Master\_log\_file —---->binary log file  Master\_log\_pos —----> binary log position |
|  |  | >Start slave\G  Slave\_IO\_Running: Yes  Slave\_SQL\_Running: Yes  >Stop slave\G  Slave\_IO\_Running: No Slave\_SQL\_Running: No |