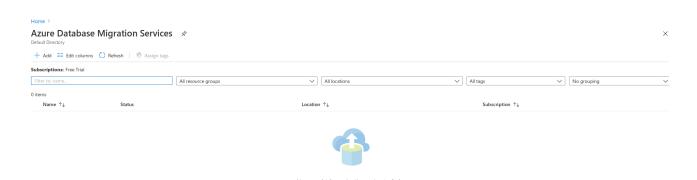


Requirements:

- 1. Ubuntu-server
- 2. Azure MysqlDB server
- 3. Azure DB migration service

Create Azure DB Migration Service:

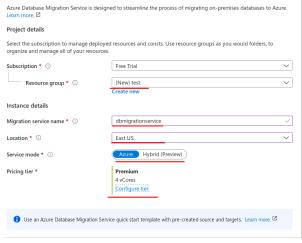


nanging your filters if you don't see what you're looking

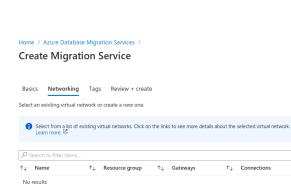
Click Add

Home > Azure Database Migration Services >

Create Migration Service



Review + create Next : Networking >>



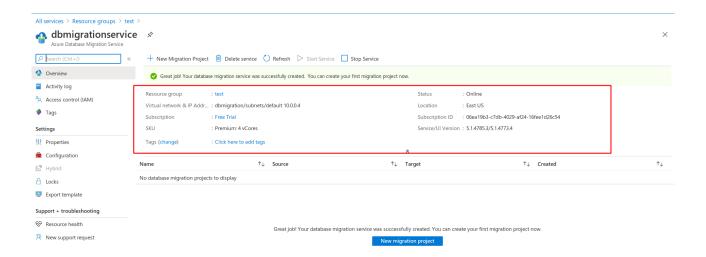
Virtual network name

Create a new virtual network by entering a name below. This will create a basic VNET that can connect to source servers with public facing IPs. You can then take additional steps to upgrade this network and increase your connectivity options. Learn more.

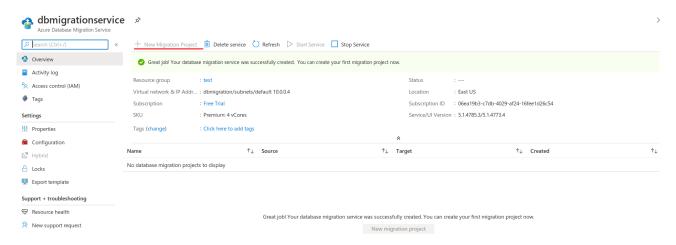
dbmigration

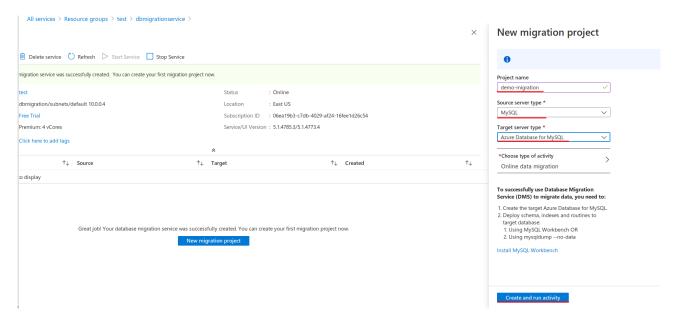


↑↓ Connections



Create new project





On prom mysql server creation:

ubuntu machine:

Wan IP: 52.188.120.86

\$ sudo apt update

\$ sudo apt install mysql-server

 $\$\,sudo\,mysql_secure_installtion$

\$ sudo -u root -p [password]

\$ ufw disable

sudo vim /etc/mysql/mysql.conf.d/mysqld.cnf

Edit:

bind-address = 0.0.0.0

uncomment lines are

server-id = 1

log_bin = /var/log/mysql/mysql-bin.log

\$ sudo systemctl restart mysql

- > create database jino;
- > grant all privileges on *.* to 'node' @'%' identified by ' $\underline{\text{Password}}$ @123';
- > flush privileges;
- > create table tableone(id int(6) auto_increament primary key, name varchar(255), state varchar(255));
- > INSERT INTO tableone (name, state) values ("jino", "active");
- > INSERT INTO tableone (name,state) values("test", "active");
- > INSERT INTO tableone (name, state) values ("king", "active");
- > INSERT INTO tableone (name,state) values("wing", "active");
- > INSERT INTO tableone (name, state) values ("chung", "active");
- > select * from tableone
- > exit

create schema backup

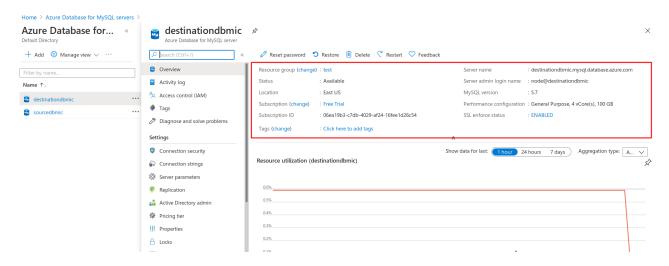
\$ mysqldump -h 52.188.120.86 -u node -pPassword@123 --databases jino --no-data > test.sql

we need source and destination MySQL credentials

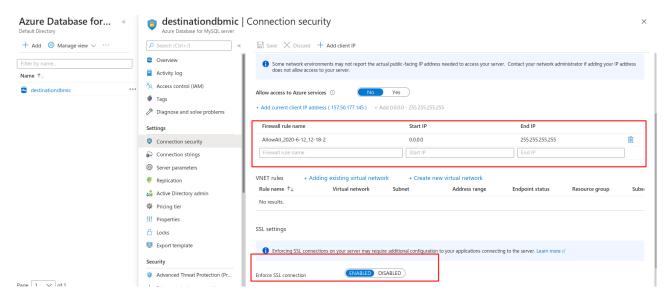
Source DB:

```
user = node
password = Password@123
host = 52.188.120.86
port = 3306
database = jino
```

This is azure Mysql Db server details



Firewall whitelist:

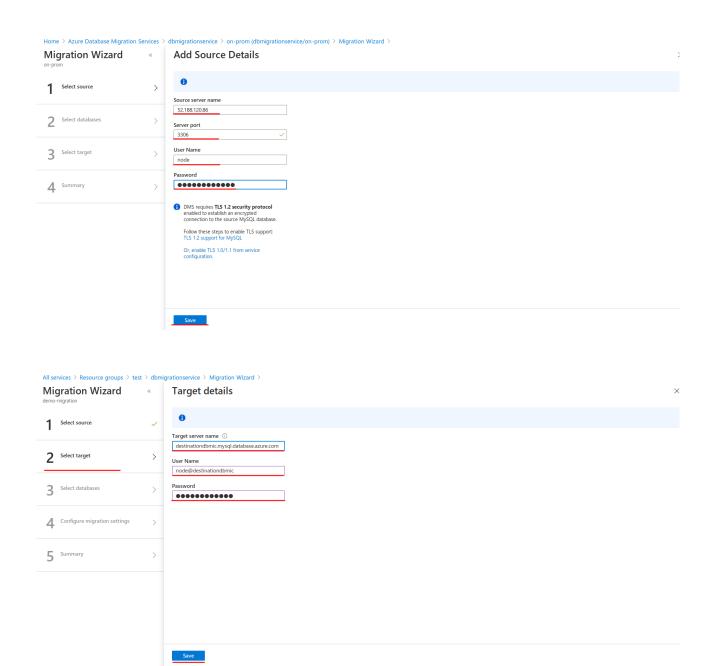


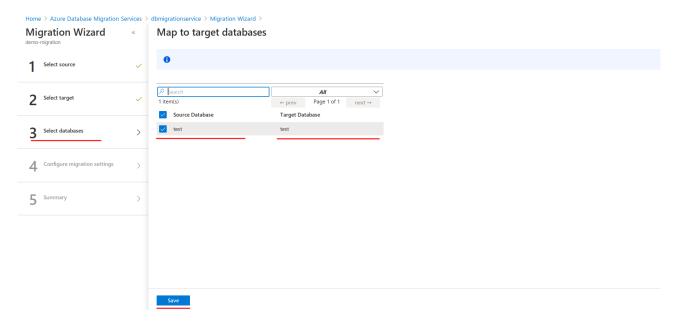
- \$ mysql -h destinationdbmic.mysql.database.azure.com -u node@destinationdbmic <u>-pPassword@123</u>
- > create database jino;
- > exit

Destination DB:

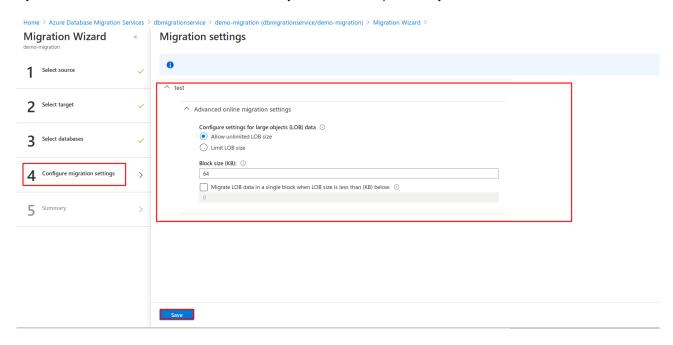
```
user = \underbrace{node@}_{destinationdbmic} \\ password = \underbrace{Password@123}_{host} \\ host = destinationdbmic.mysql.database.azure.com \\ port = 3306 \\ database = jino
```

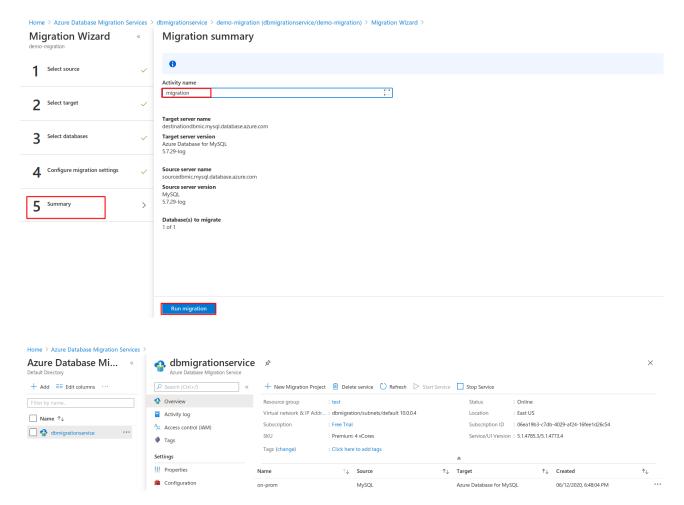
Restore the schema



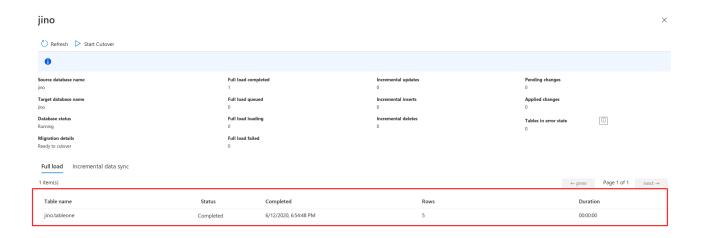


If you want LOB size to increment select this otherwise by default. This example select by default





we need to create schema for target database table schemas.



Final result:

```
root@65756625493f;/# mysql -h destinationdbmic.mysql.database.azure.com -u node@destinationdbmic -pPassword@123
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MysQl monitor. Commands end with; or \g.
Your MysQl connection id is 65420
Server version: 5.6.42.0 MysQl Community Server (GPL)
Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
Downers.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use jino;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select * from tablesone;
ERROR 1146 (42502): Table 'jino.tablesone' doesn't exist
mysql> select * from tablesone;

1 | jino | active | 2 | jiino | active | 2 | jiino | active | 3 | gino | active | 4 | kino | active | 5 | eino | active | 6 |
```

This example for DB migration from on-prom MySQL to Azure MySQL DB service.