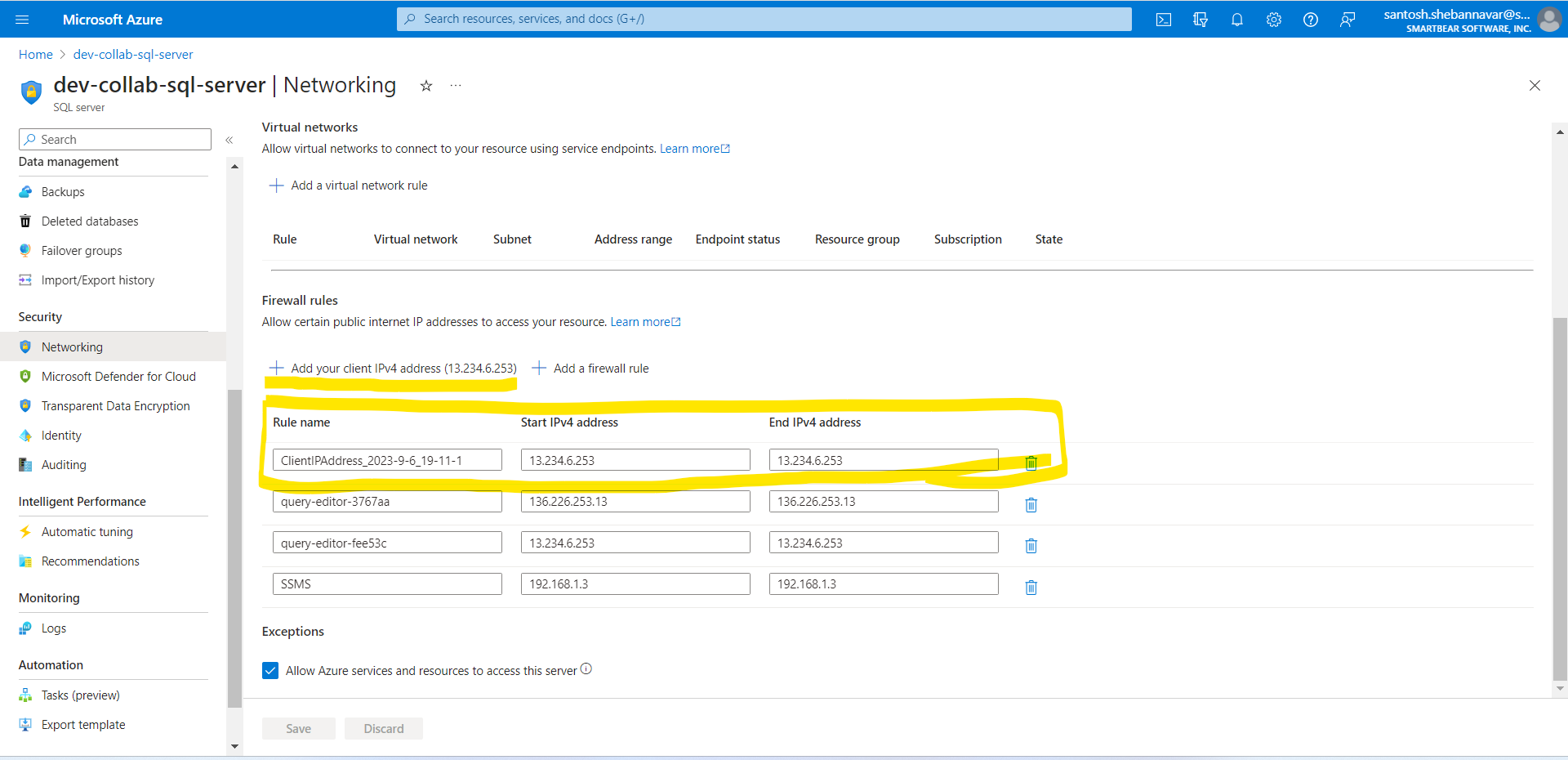
**Azure SQLMI Database Connection Steps**

1. Need to have an access for Azure Portal 🡪 Collabmi.
2. Need to connect open VPN.
3. Once after login to Azure Portal navigate to “dev-collab-sql-server”.
4. In “dev-collab-sql-server” go to Security and then Click on “Networking”.
5. In “Networking” page Add a firewall rule.

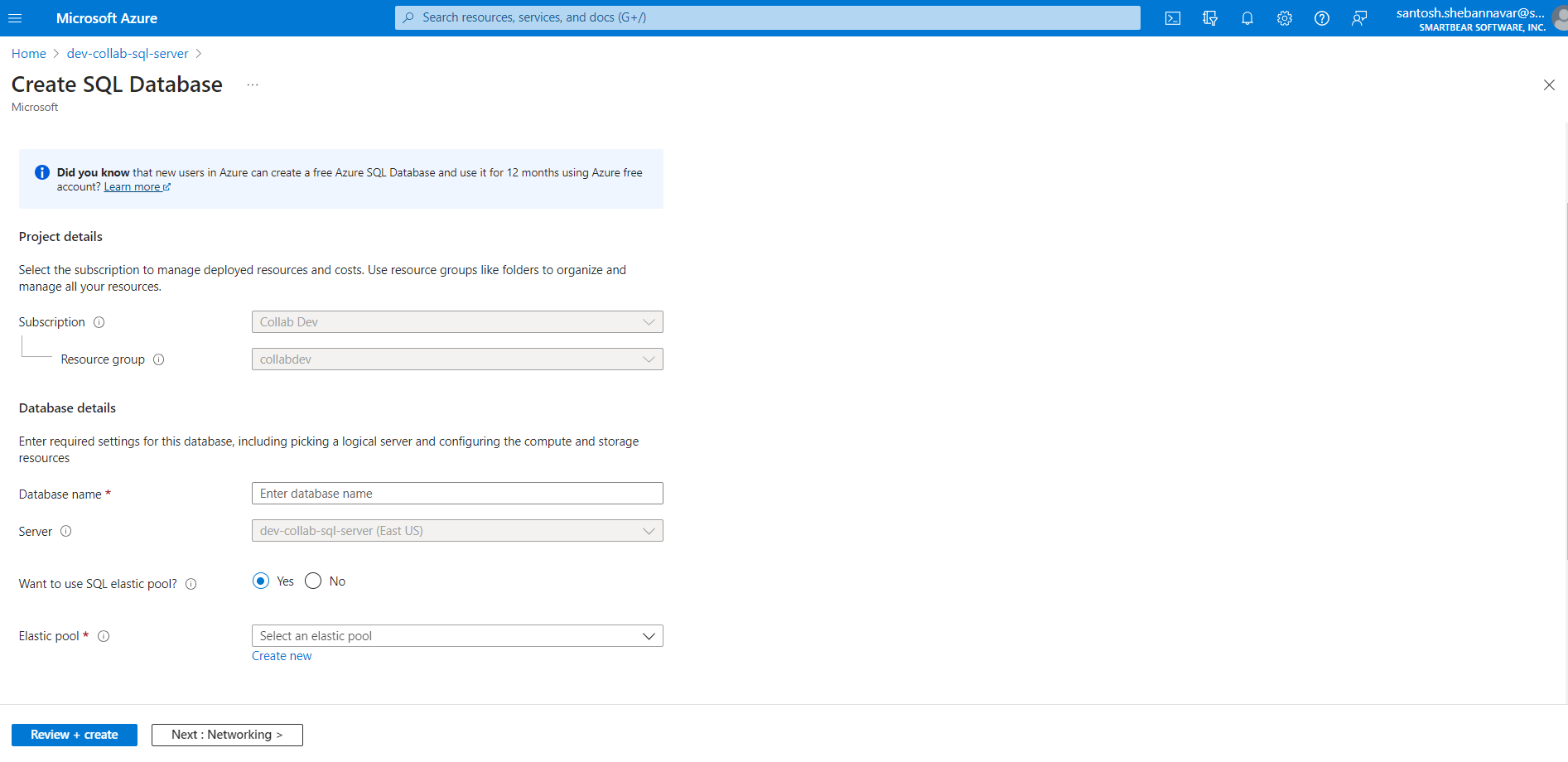
For detailed steps for configuring firewall rules refer below link

<https://learn.microsoft.com/en-us/azure/azure-sql/database/firewall-configure?view=azuresql>

1. Provide the System IP address in firewall rule. See below Image



1. Create a new database in dev-collab-sql-server



1. While creating the new database follow below steps

* Provide Database Name
* Want to use SQL elastic pool? No
* Workload Environment: Development.
* Backup storage redundancy: Locally redundant backup storage
* In Remaining Tabs go with default values >>Next>>Next and Create DB.

1. After creating a DB, navigate newly created DB.
2. Navigate to Query Editor and login with credentials.

Ex : username : collabadmin

Password : Testing@123456789

Note : At this time there should not be any tables, views or stored procedures are created.

1. Go to connection strings, then navigate JDBC tab copy the connection String.
2. In local system navigate to the path of root.xml

(Ex:D:\SmartBearApplication\CollaboratorServer\tomcat\conf\Catalina\localhost\ROOTxml)

1. In Root.xml change the URL with copied connection string.

Example :

<Resource driverClassName="com.microsoft.sqlserver.jdbc.SQLServerDriver" maxTotal="100" maxIdle="20" maxWaitMillis="10000" name="/jdbc/collabserver" user="collabadmin" password="Testing@123456789" removeAbandonedOnBorrow="true" removeAbandonedOnMaintenance="true" removeAbandonedTimeout="120" scope="Sharable" type="javax.sql.DataSource"

url="jdbc:sqlserver://dev-collab-sql-server.database.windows.net:1433;database=collabDBNew;user=collabadmin@dev-collab-sql-server;password=Testing@123456789;encrypt=true;trustServerCertificate=false;hostNameInCertificate=\*.database.windows.net;loginTimeout=30;"/>

<Realm allRolesMode="strictAuthOnly" className="org.apache.catalina.realm.DataSourceRealm" dataSourceName="/jdbc/collabserver" localDataSource="true" roleNameCol="user\_admin" userCredCol="user\_password" userNameCol="user\_login" userRoleTable="collabuser" userTable="collabuser">

For details about configuring the connection string refer below link

<https://learn.microsoft.com/en-us/azure/azure-sql/database/connect-query-java?view=azuresql>

1. In the lib folder need to replace the below driver

* mssql-jdbc-11.2.0.jre8 (Older version)
* mssql-jdbc-11.2.0.jre11 (Newer version)

Note: Always prefer newer versions and above files will be attached to JIRA ticket

Link to download the drivers:

<https://learn.microsoft.com/en-us/sql/connect/jdbc/microsoft-jdbc-driver-for-sql-server?view=sql-server-ver16&redirectedfrom=MSDN>

1. Restart the collab server from services and hit the collab server URL

(Ex: http://127.0.0.1:8080/ui#)

1. The process will take some time and then collab UI will be displayed.

Observations :

1. After Restarting the collab server and if we hit the URL of collab server, system will take more time to display the UI (Slowness issue)

2. User table is not creating which results in not able to login to the application.