I raised a onboarding ticket to client and it should take 3-4 days for you to get all the access and setup believe. In meantime, it helps if you could create a sample API covering the below topics.

Would be great if you can complete a small POC for below in 1-2 days.

Tech POC Completed work:

* Sample Web API with a simple database.
  1. Created Web API Application
  2. Configure RabbitMQ Publisher
  3. Build Docker Image
  4. Push Image docker hub
  5. Write deployment and Service YAML file
  6. Run deployment and Service YAML
  7. kubectl apply -f deployment.yml
  8. Hit URL in Browser <http://192.168.1.205:8081/swagger/index.html>
* Containerize the application and run it in a Kubernetes cluster.
  1. Web Api deployed in Kubernetes cluster.
  2. Deployed rabbitMQ in docker container
  3. Kubectl get all
* Try to read the connection string for the database from key-vault.
  1. Not done
* Setup a RabbitMQ or any other messaging system and publish the message from web API
  1. Make a docker compose file
  2. Deployed rabbitMQ in docker container
  3. docker-compose up
  4. Hit URL in Browser <http://192.168.1.205:15672/>
  5. Login : UserName: user, Pasword: mypass
* Sample windows service that subscribe to the above queue and store the details in a log file or DB.
  1. Make worker service as background service
  2. QueueListener : BackgroundService
  3. Run service in Local host
  4. 4.Write Message in log file