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| **Topic** | Volt Active Data |
| **Document Name** | VOLTDB-EX-02 |
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| **Document Difficulty Level** | | | |
| **Beginner** | **Junior** | **Senior** | **Expert** |
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# Document History

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| --- | --- | --- | --- |
| Date | Author | Ver | Comments |
| 05.03.2025 | Mennan Tekbir | 1.0 | Initial Draft |
| 05.03.2025 | Mehmet Erdem Önal | 1.1 | Revisions |

# Volt Active Data

## Exercise VOLTDB -EX-02:

**Definiton:** pull & run voltdb container from docker hub in your GCP or AWS cloud machine. (You can use voltdb community [docker- repo](https://hub.docker.com/r/voltdb/voltdb-community) ). For being more practical, you can run in your local machine first, and then, you can switch to cloud machine.

**Note:** If you did not get a cloud machine previously, you may simply run it on your local machine.

**Commands for Running VoltDB:**

docker pull voltdb/voltdb-community

docker run -P -e BUSY\_COUNT=1 -e HOSTS=node1 --name=node1 --network=voltLocalCluster voltdb/voltdb-community:latest

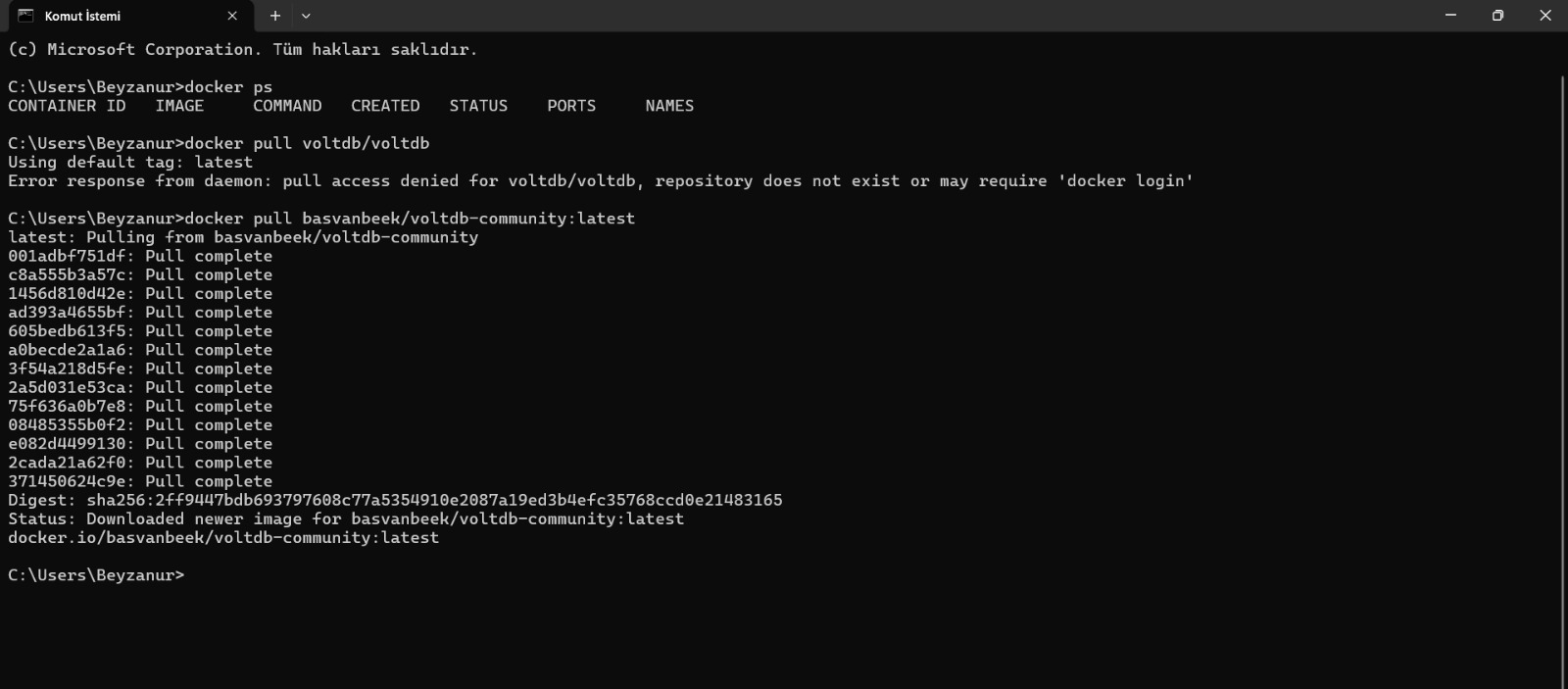
**Hint:** [Voltdb Quick Start](https://www.youtube.com/watch?v=1EkWP6Gu3VY)

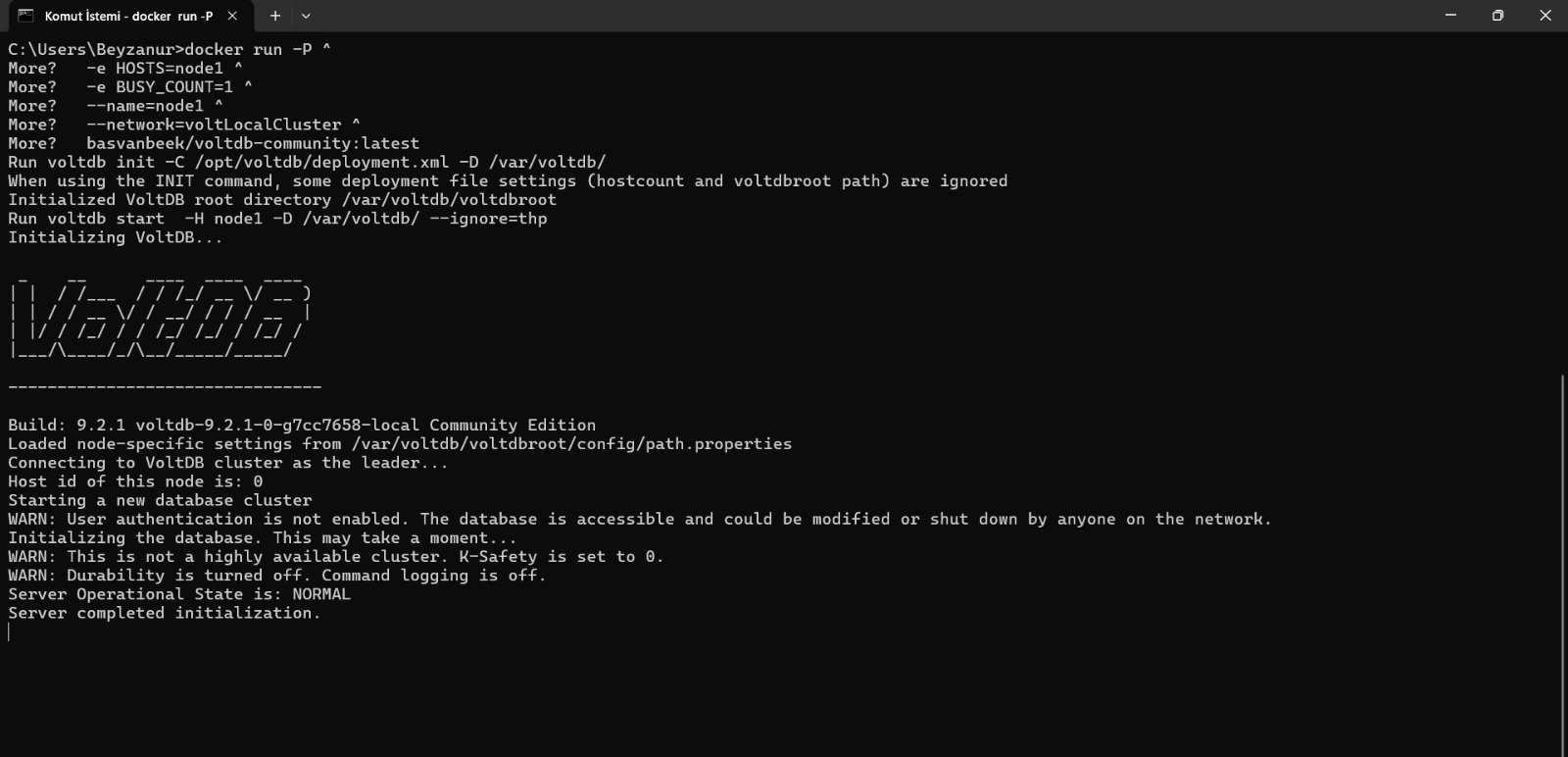
Please provide screenshots to show your work.

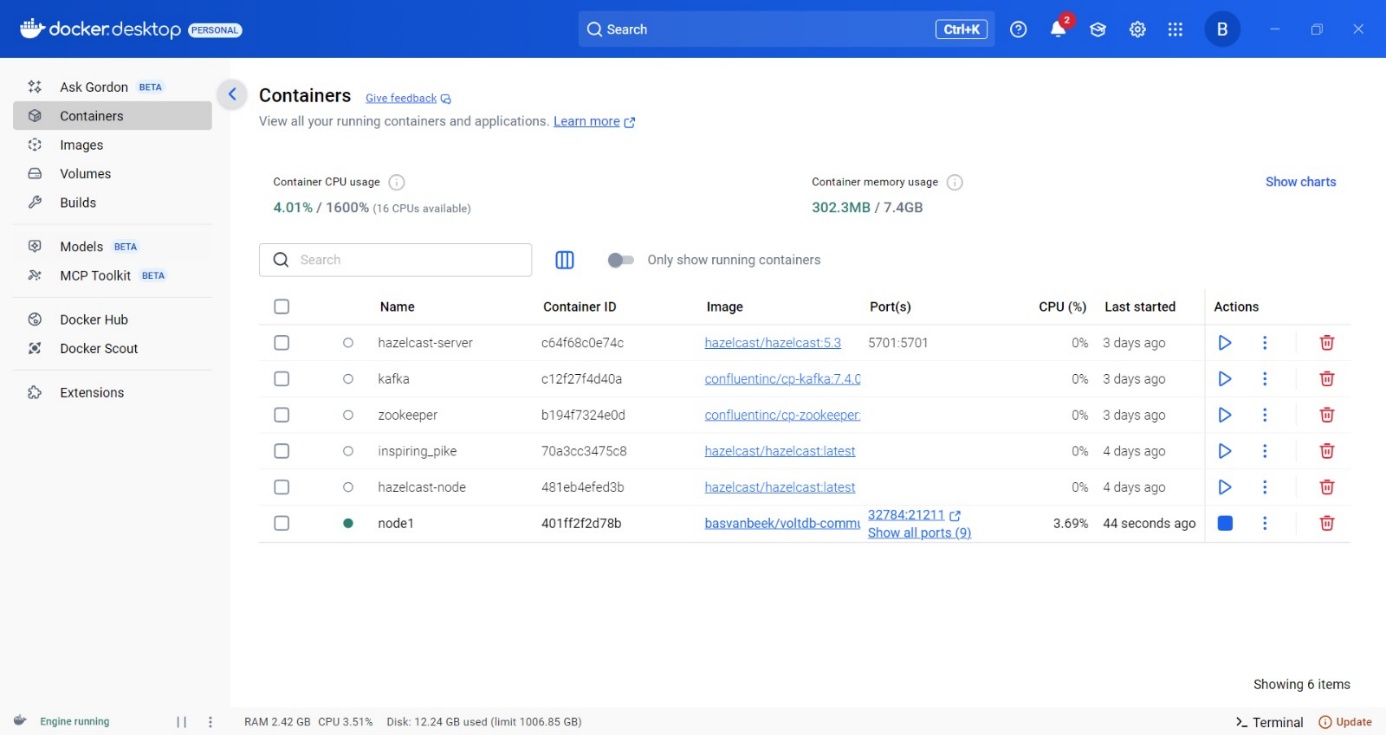
## VOLTDB-EX-02 Solution:

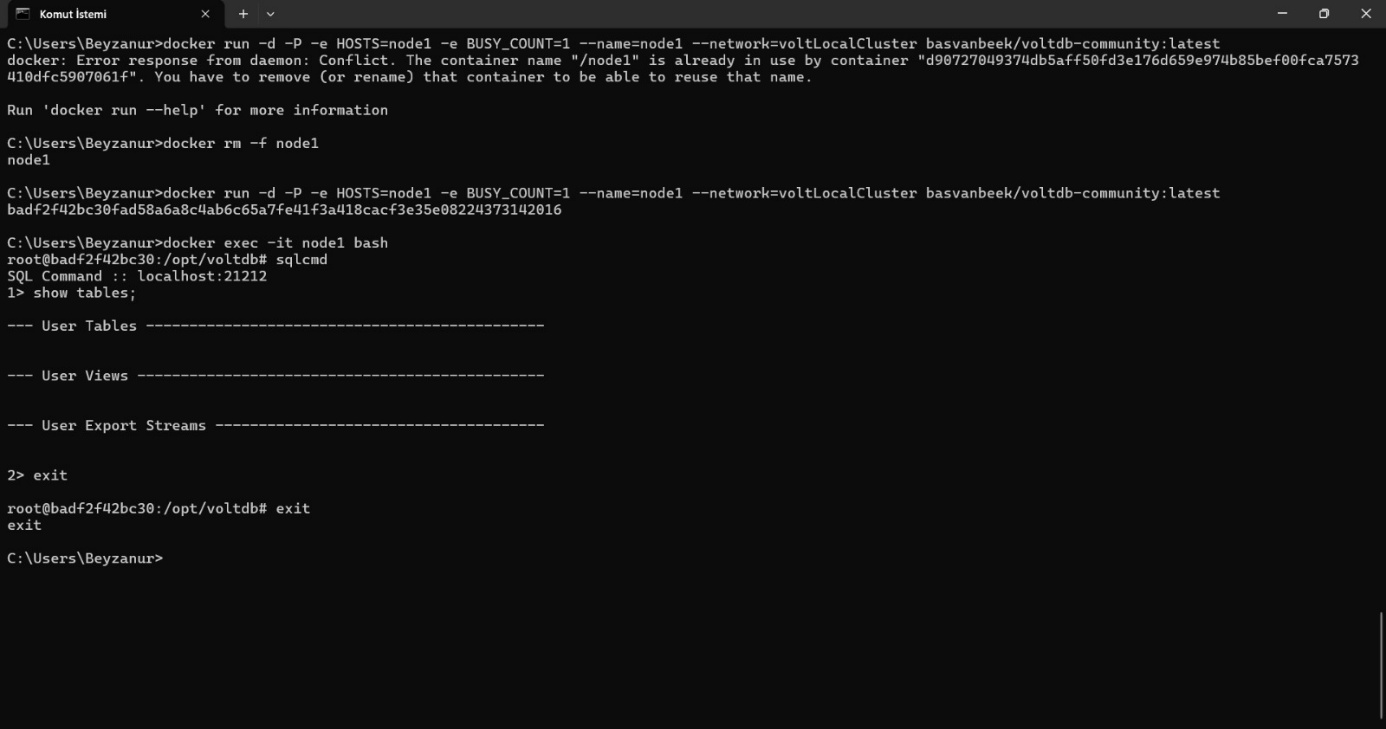
**Your Answer:**

You may provide screenshots here to show your work…





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I installed and started Docker Desktop on my computer and verified it by running

docker --version.

I pulled the VoltDB community image basvanbeek/voltdb-community:latest from Docker:

docker pull basvanbeek/voltdb-community:latest

I created a custom Docker network for container communication:

docker network create voltLocalCluster

I ran the VoltDB container in detached mode:

docker run -d -P -e HOSTS=node1 -e BUSY\_COUNT=1 --name=node1 --network=voltLocalCluster basvanbeek/voltdb-community:latest

I verified the container was running using:

docker ps

I accessed the container and opened the VoltDB SQL terminal to run sample commands:

docker exec -it node1 bash

sqlcmd

show tables;

exit

exit

VoltDB ran successfully and I was able to execute SQL commands. I included screenshots for the assignment.