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TRAINING

PENTESTER ACADEMY TOOL BOX

Name	Database Enumeration
URL	https://attackdefense.com/challengedetails?cid=2297
Туре	AWS Cloud Security : Databases

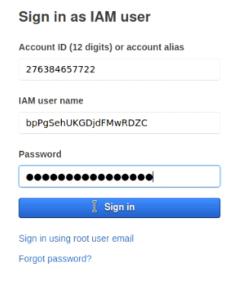
**Important Note:** This document illustrates all the important steps required to complete this lab. This is by no means a comprehensive step-by-step solution for this exercise. This is only provided as a reference to various commands needed to complete this exercise and for your further research on this topic. Also, note that the IP addresses and domain names might be different in your lab.

### Solution:

**Step 1:** Sign in into AWS console with AWS access credentials

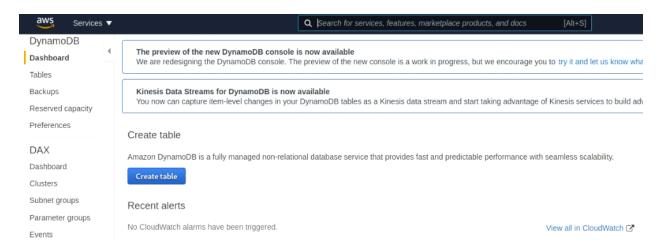
# **Access Credentials to your AWS lab Account**

Login URL	https://276384657722.signin.aws.amazon.com/console
Region	Asia Pacific (Singapore) ap-southeast-1
Username	bpPgSehUKGDjdFMwRDZC
Password	hAFB5jZEawl8r6Vc
Access Key ID	AKIAUAWOPGE5BFBELOYX
Secret Access Key	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

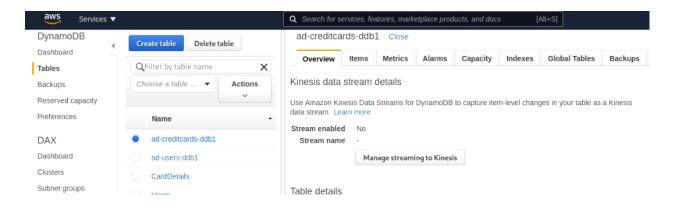




Step 2: Navigate to DynamoDB dashboard.

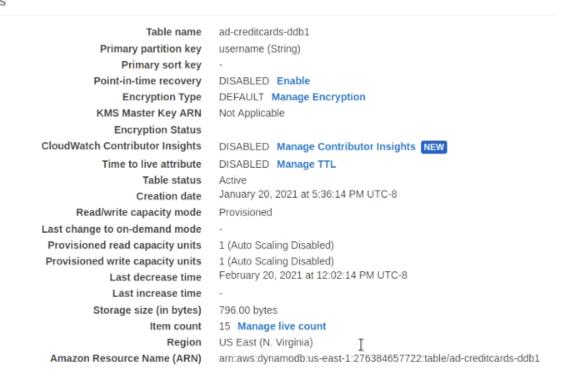


Click on Tables present in the left pane.

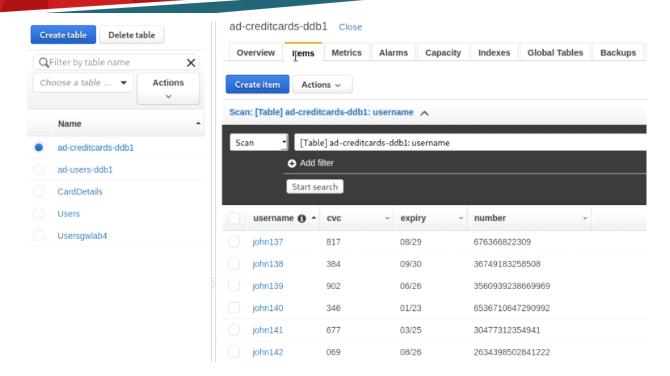


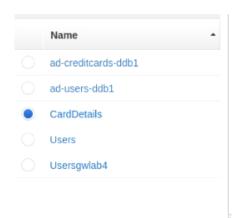
#### Check table details.

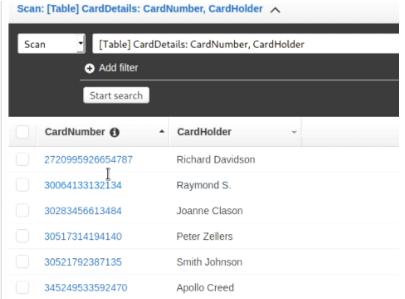
#### Table details

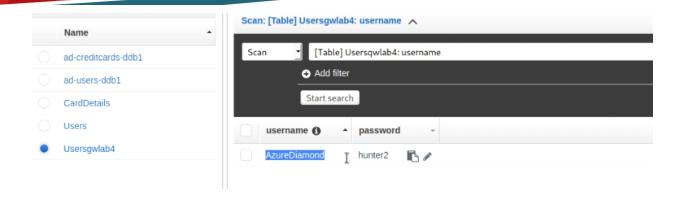


**Step 3:** Click on Items tab to see table items.



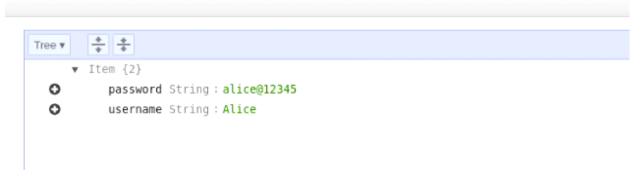




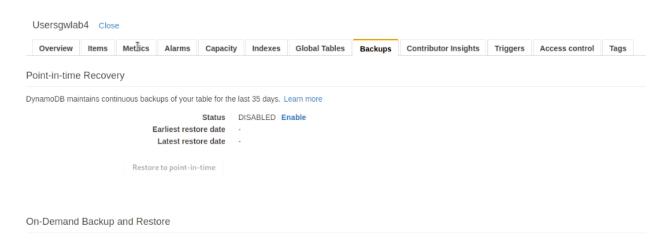


Step 4: Click on the item to check item details.

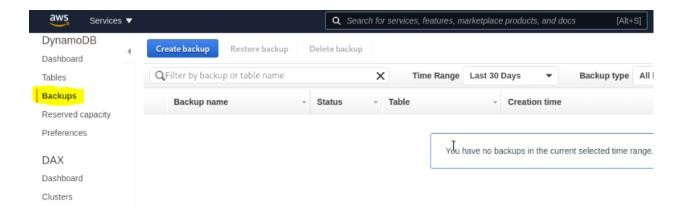
## Edit item



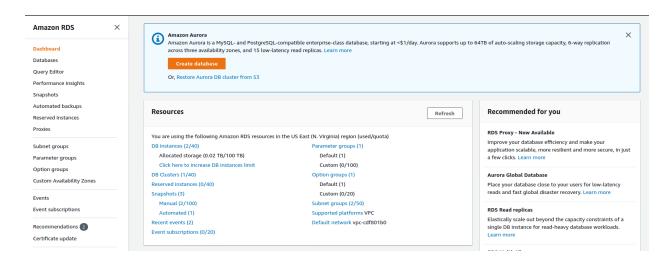
**Step 5:** Check for table backup.



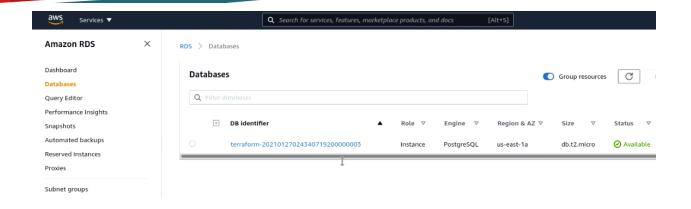
Step 6: Click on the Backups button on the left pane to check DB backups.



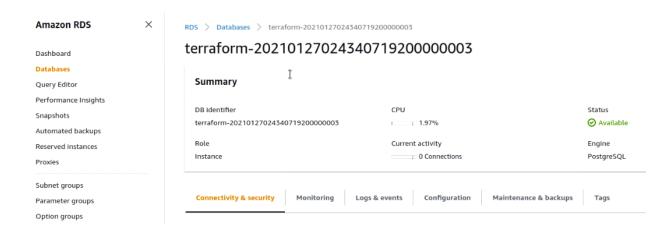
Step 7: Navigate to amazon RDS dashboard.



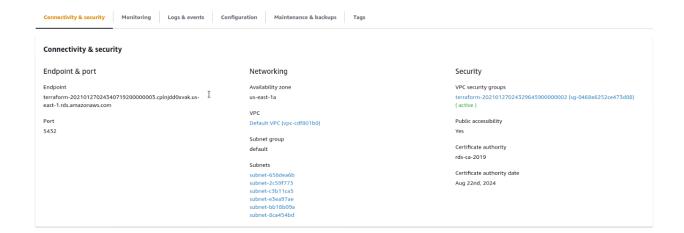
Step 8: Click on Databases option present in left pane.



Step 9: Click on DB identifier to check more details.



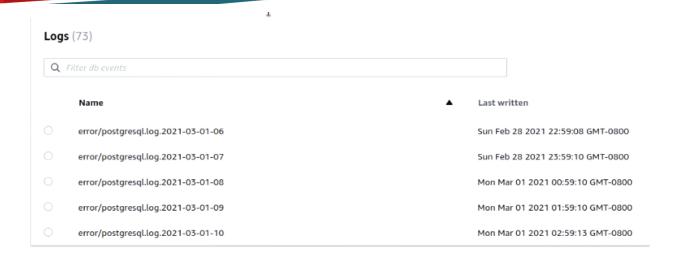
Check connectivity configurations.



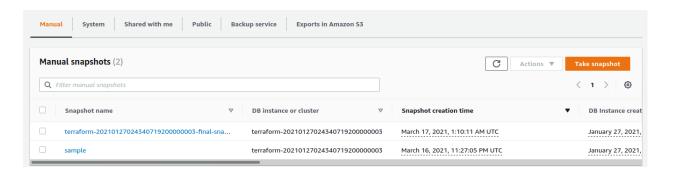
# Check security groups.



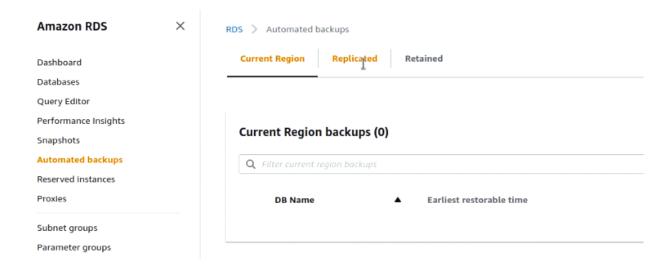
Check log details by switching to 'Logs & events' tab.



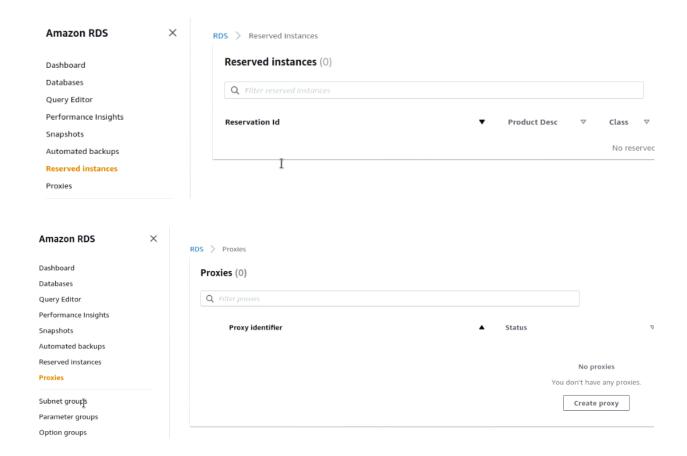
**Step 10:** Click on Snapshots on the left pane to check snapshots.



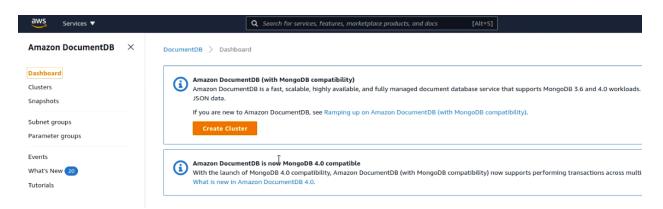
Step 11: Check backups for RDS (by clicking on Automated backups on the left pane).



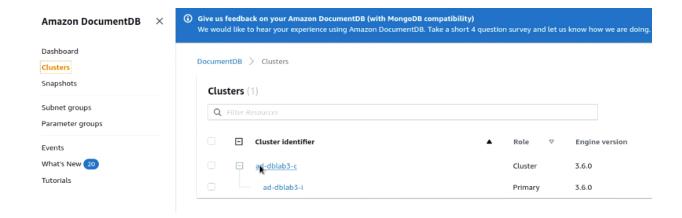
Step 12: Check proxies and reserved instances.



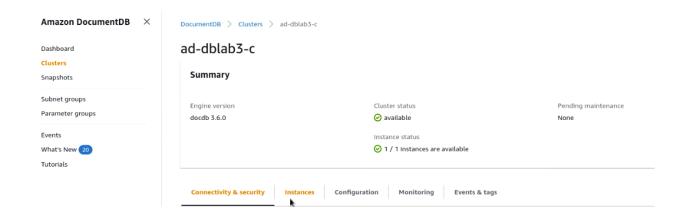
Step 13: Navigate to Amazon DocumentDB dashboard.



Step 14: Click on clusters on the left pane to see db clusters.



Click on cluster name to check cluster details.



Check connection commands.

#### Connect

Getting Started Guide | Enabling/Disabling TLS | Connecting programmatically

Download the Amazon DocumentDB Certificate Authority (CA) certificate required to authenticate to your cluster Copy

wget https://s3.amazonaws.com/rds-downloads/rds-combined-ca-bundle.pem

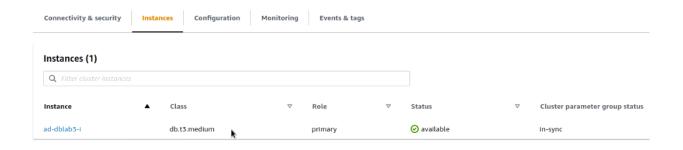
Connect to this cluster with the mongo shell Copy

mongo --ssl --host ad-dblab3-c.cluster-cplnjdd0xvak.us-east-1.docdb.amazonaws.com:27017 --sslCAFile rds-combined-ca-bundle.pem --username <insertYourPassword>

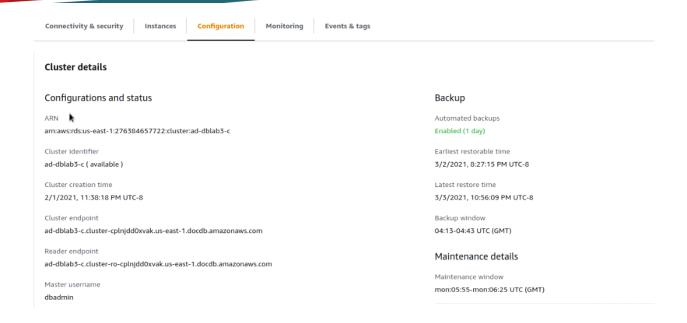
Connect to this cluster with an application Copy

mongodb://dbadmin:<insertYourPassword>@ad-dblab3-c.cluster-cplnjdd0xvak.us-east-1.docdb.amazonaws.com:27017/?ssl=true&ssl\_ca\_certs=rds-coreadPreference=secondaryPreferred&retryWrites=false

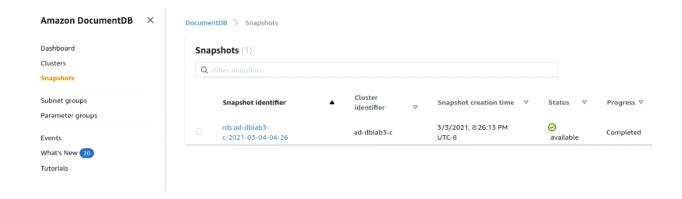
## Check instances.



# Check configurations.



Step 15: Click on Snapshots on left pane to check snapshots.



Click on the snapshot name to get more details of the snapshot.



Step 16: Enumerate subnet groups and parameter groups.

