

RDS-Hands-on.docx

RDS Management Console

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us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#

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📱 Apps

📧 Gmail

📧 Mail - Sahithi, Garik...

📺 (363) YouTube

🔄 OneCognizant

📊 Dashboard

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Amazon RDS

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Dashboard

Databases

Query Editor

Performance Insights

Snapshots

Automated backups

Reserved instances

Proxies

Subnet groups

Parameter groups

Option groups

Events

Event subscriptions

Recommendations 7

Amazon Aurora

Amazon Aurora is a MySQL- and PostgreSQL-compatible enterprise-class database, starting at <\$1/day. Aurora supports up to 64TB of auto-scaling storage capacity, 6-way replication across three availability zones, and 15 low-latency read replicas. [Learn more](#)

Create database

Or, [Restore Aurora DB cluster from S3](#)

Resources

Refresh

You are using the following Amazon RDS resources in the US East (Ohio) region (used/quota)

DB Instances (3/40)

Allocated storage (0.06 TB/100 TB)

[Click here to increase DB instances limit](#)

DB Clusters (0/40)

Reserved instances (0/40)

Snapshots (12)

Manual (9/100)

Automated (3)

Recent events (100)

Parameter groups (5)

Default (5)

Custom (0/100)

Option groups (4)

Default (4)

Custom (0/20)

Subnet groups (2/50)

Supported platforms VPC

Default network vpc-1b7ee270

Recommended for you

Enrich your PostgreSQL Address Database

Clean up, validate, and enrich your coordinates and addresses using Amazon Location geocoding. [Learn more](#)

Build RDS Operational Tasks

Watch how to enable users to perform common tasks such as snapshots or restart DB instances in Amazon RDS. [Learn more](#)

Migrate SSRS to RDS for SQL Server

Feedback

English (US) ▾

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RDS Management Console

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#launch-dbinstance:gdb=false;s3-import=false

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Create database


Choose a database creation methodInfo


☒ Standard create
You set all of the configuration options, including ones for availability, security, backups, and maintenance.


☐ Easy create
Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

Engine options

Engine typeInfo

☐ Amazon Aurora


☒ MySQL


☐ MariaDB


☐ PostgreSQL

☐ Oracle

☐ Microsoft SQL Server


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us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#launch-dbinstance:gdb=false;s3-import=false

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☰

☑ Include previous generation classes

Storage

Storage type [Info](#)

General Purpose SSD (gp2) ▾

Allocated storage

20GiB

(Minimum: 20 GiB. Maximum: 16,384 GiB) Higher allocated storage [may improve](#) IOPS performance.

Storage autoscaling [Info](#)

Provides dynamic scaling support for your database's storage based on your application's needs.

☒ Enable storage autoscaling

Enabling this feature will allow the storage to increase once the specified threshold is exceeded.

Maximum storage threshold [Info](#)

Charges will apply when your database autoscales to the specified threshold

1000GiB

Minimum: 21 GiB. Maximum: 16,384 GiB

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us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#launch-dbinstance:gdb=false;s3-import=false

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☰

VPC that defines the virtual networking environment for this DB instance.

Default VPC (vpc-1b7ee270) ▾

Only VPCs with a corresponding DB subnet group are listed.

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After a database is created, you can't change its VPC.

Subnet group

Info

DB subnet group that defines which subnets and IP ranges the DB instance can use in the VPC you selected.

default ▾

Public access

Info

☒ Yes

Amazon EC2 instances and devices outside the VPC can connect to your database. Choose one or more VPC security groups that specify which EC2 instances and devices inside the VPC can connect to the database.

☐ No

RDS will not assign a public IP address to the database. Only Amazon EC2 instances and devices inside the VPC can connect to your database.

VPC security group

Choose a VPC security group to allow access to your database. Ensure that the security group rules allow the appropriate incoming traffic.

☒ Choose existing

Choose existing VPC security groups

☐ Create new

Create new VPC security group

Feedback

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The image is a screenshot of a web browser displaying the AWS RDS console. The browser's address bar shows the URL: us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#launch-dbinstance:gdb=false;s3-import=false. The console page is titled 'Create DB Instance' and shows the 'DB instance identifier' as 'database-922385'. Below this, there's a section for 'Credentials Settings' with a 'Master username' field containing 'sahithi922385' and a 'Master password' field with masked characters. A 'Save password?' dialog box is open on the right side of the screen, showing the username and password fields, and 'Save' and 'Never' buttons. The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

Amazon RDS

Dashboard
Databases
Query Editor
Performance Insights
Snapshots
Automated backups
Reserved instances
Proxies
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Option groups
Events
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Recommendations 7

Successfully created database [database-922385](#) [View connection details](#)

RDS > Databases

Databases ☒ Group resources [Refresh](#) [Modify](#) [Actions](#) [Restore from S3](#) [Create database](#)

[1](#) [Settings](#)

DB identifier ▲	Role ▼	Engine ▼	Region & AZ ▼	Size ▼	Status ▼
database	Instance	MySQL Community	us-east-2b	db.t2.micro	⌚ Creating
database-1	Instance	MySQL Community	us-east-2b	db.t2.micro	⛔ Deleting
database-922385	Instance	MySQL Community	us-east-2a	db.t2.micro	✅ Available
database-922392	Instance	MySQL Community	us-east-2b	db.t2.micro	✅ Available
hopedb	Instance	MySQL Community	us-east-2a	db.t2.micro	✅ Available
joandatabase	Instance	MySQL Community	us-east-2a	db.t2.micro	⌚ Backing-up

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RDS Management Console

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us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#database:id=database-922385;is-cluster=false

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Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Connectivity & security

Endpoint & port

Endpoint
database-922385.ckmjh2funbri.us-east-2.rds.amazonaws.com

Port
3306

Networking

Availability Zone
us-east-2a

VPC
defaultjasmine (vpc-1b7ee270)

Subnet group
default

Subnets
subnet-d5b04da8
subnet-7d3d1831
subnet-a5088cce

Security

VPC security groups
default (sg-3e548948)
(active)

Publicly accessible
Yes

Certificate authority
rds-ca-2019

Certificate authority date
August 22, 2024, 10:38
(UTC±10:38)

Feedback

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EC2 Management Console

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us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#SecurityGroups:search=sg-3e548948

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New EC2 ExperienceTell us what you think

EC2 Dashboard

Events

Tags

Limits

Instances

InstancesNew

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved InstancesNew

Dedicated Hosts

Capacity Reservations

Images

AMIs

Security Groups (1/1)Info

Filter security groups

search: sg-3e548948Clear filters

<input checked="" type="checkbox"/>	Name	Security group ID	Security group name	VPC ID
<input checked="" type="checkbox"/>	-	sg-3e548948	default	vpc-1b7ee270

sg-3e548948 - default

Actions

Create security group

View details

Edit inbound rules

Edit outbound rules

Manage tags

Feedback

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Navigator

SCHEMAS

Filter objects

- interndb
- moviecruiser
- mydb
 - Tables
 - Views
 - Stored Procedures
 - Functions
- ormlearn
- sakila
- sys
- truyum
- truyumm
- world

Administration Schemas

Information

No object selected

Object Info Session

Manage Server Connections

MySQL Connections

Local instance MySQL80
aws

Connection Name: aws

Connection Remote Management System Profile

Connection Method: Standard (TCP/IP) Method to use to connect to the RDBMS

Parameters SSL Advanced

Hostname: -east-2.rds.amazonaws.com Port: 3306 Name or IP address of the server host - and TCP/IP port.

Username: saithi922385 Name of the user to connect with.

Password: Store in Vault ... Clear The user's password. Will be requested later if it's not set.

Default Schema: The schema to use as default schema. Leave blank to select it later.

New

Delete

Duplicate

Move Up

Move Down

Test Connection

Close

Action Output

Time Action

Message

Duration / Fetch

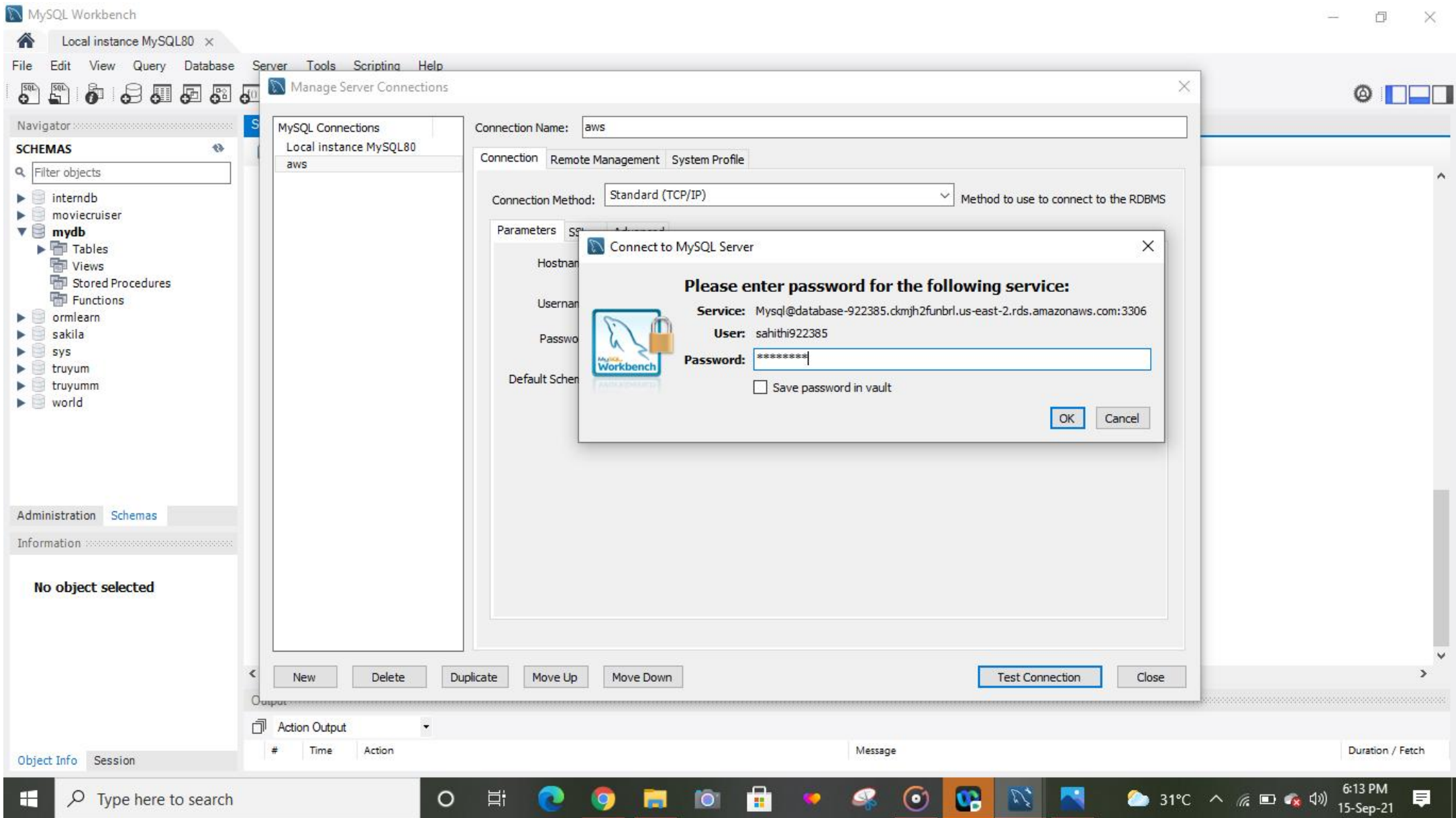


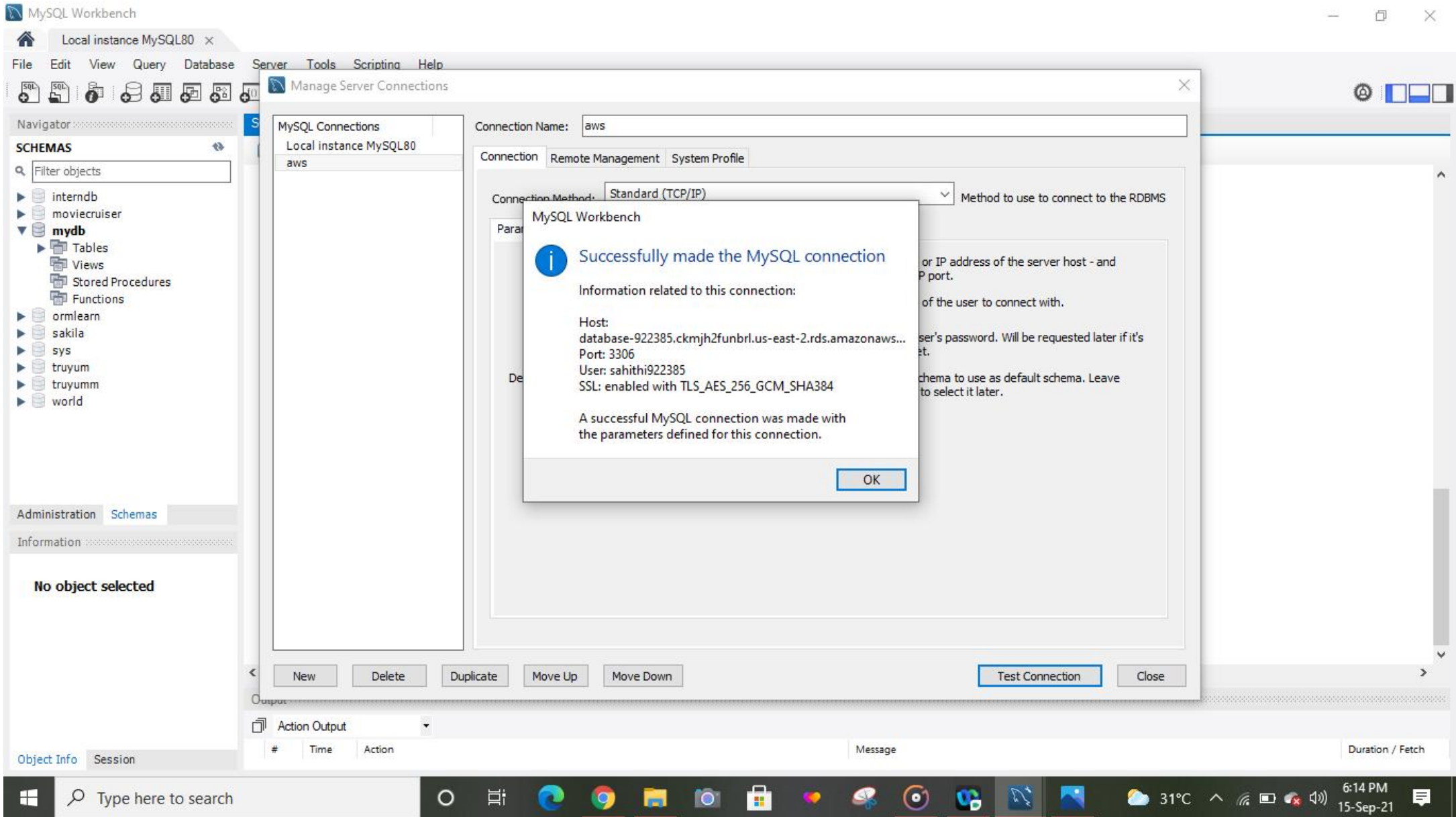
Type here to search

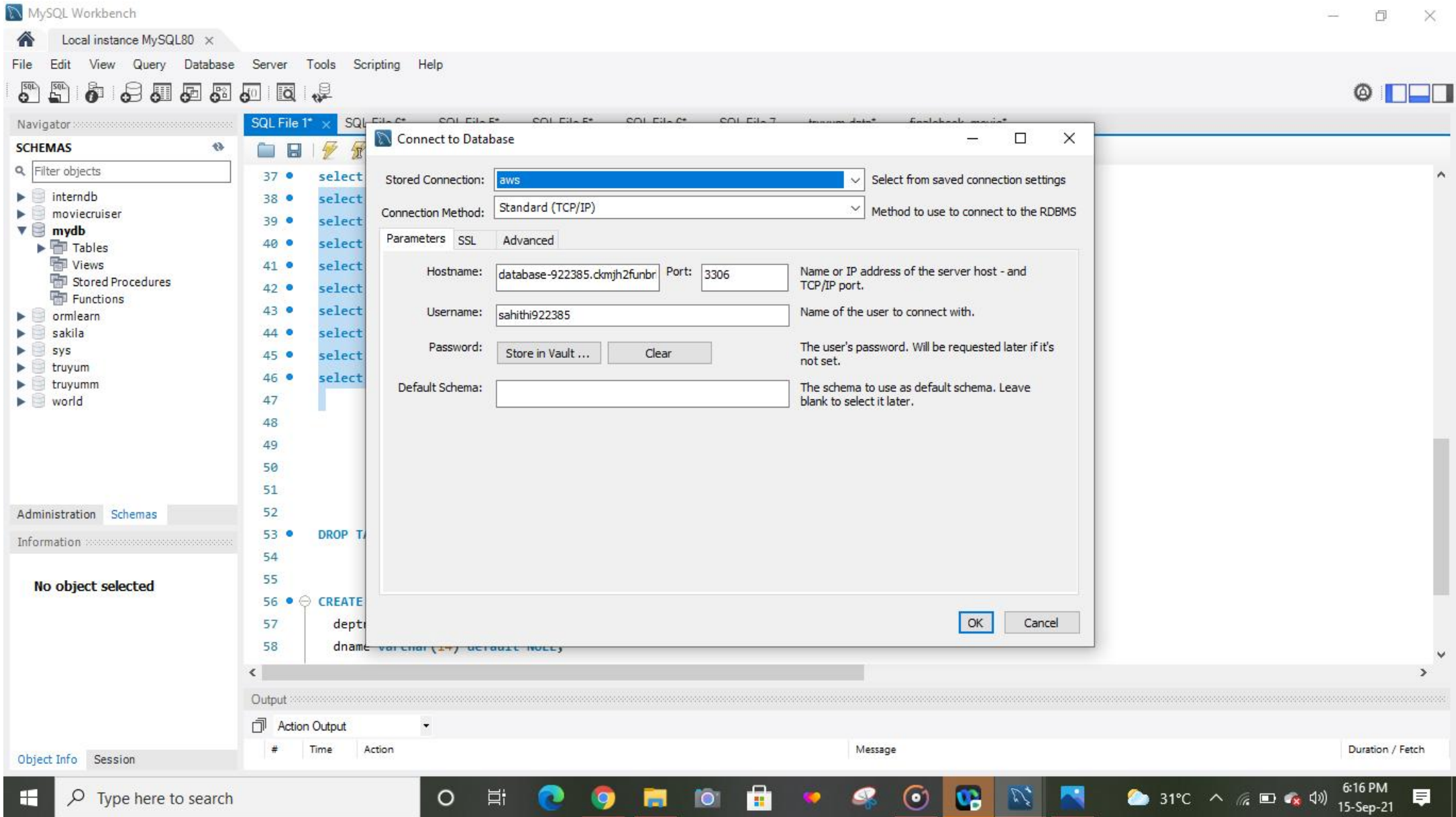


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Local instance MySQL80 × aws ×

File Edit View Query Database Server Tools Scripting Help



Navigator

SCHEMAS

Filter objects

- ▼ awshandson
 - Tables
 - Views
 - Stored Procedures
 - Functions
- ▶ sys

Administration Schemas

Information

No object selected

Object Info Session

Query 1 ×



Limit to 1000 rows

```
1 • create database awshandson;  
2
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	18:18:33	create database awshandson	1 row(s) affected	0.265 sec

Query Completed



Type here to search



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RDS Management Console

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#databases:

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In progress of creating a final snapshot, retaining automated backups and deleting database database-922385.

RDS > Databases

Databases

☒ Group resources

Refresh

Modify

Actions

Restore from S3

Create database

Filter databases

< 1 >

DB identifier	Role	Engine	Region & AZ	Size	Status
database	Instance	MySQL Community	us-east-2b	db.t2.micro	Available
database-922385	Instance	MySQL Community	us-east-2a	db.t2.micro	Deleting
database-922392	Instance	MySQL Community	us-east-2b	db.t2.micro	Available
hopedb	Instance	MySQL Community	us-east-2a	db.t2.micro	Available
joandatabase	Instance	MySQL Community	us-east-2a	db.t2.micro	Available
madhandb	Instance	MySQL Community	us-east-2a	db.t2.micro	Backing-up

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