WHIZLABS

🛒 0   🔔   K ▾   ☰

Home / AWS / Guided Lab / Backup and Restore AWS RDS Databases with Snapshots

Backup and Restore AWS RDS Databases with Snapshots

Level: **Advanced**

(Amazon RDS) (Amazon Web Services)

English   ▾

Required Points	💎 10
Lab Duration	**02:00:00**
Average Start time	**Less than a minute**

Start Guided Lab →

Need help?

📄 How to use Hands on Lab

⚙️ Troubleshooting Lab

❓ FAQs

👍 Submit Feedback   ➤ Share

Lab Overview

☁️ Database Engineer, Cloud Administrator

⚙️ Storage, Database

Lab Details

1. This lab walks you through the steps to create RDS Backup Database Snapshots.

Privacy - Terms

2. You will practice using RDS databases and creating these point-in-time snapshots.

3. Duration: **2 hours**

4. AWS Region: **US East (N. Virginia) us-east-1**

Introduction

What is AWS RDS?

Amazon Web Services (AWS) provides a reliable and scalable cloud-based database service known as Amazon RDS (Relational Database Service). AWS RDS offers support for popular relational database engines such as MySQL, PostgreSQL, Oracle, SQL Server, and more. One essential aspect of managing databases is ensuring data protection and recoverability. This is where AWS RDS' Backup and Restore functionality with Snapshots comes into play.

1. **Backup:** Backup is the process of creating copies of your AWS RDS database's data and transaction logs. AWS RDS allows you to perform automated backups and manual backups, giving you flexibility in defining your backup strategy. Automated backups are automatically taken and managed by AWS RDS and follow a predetermined backup retention period, allowing you to restore your database to any point within that period.

2. **Snapshots:** Snapshots are point-in-time backups that capture the entire state of your AWS RDS database at a specific moment. Unlike automated backups, snapshots are user-initiated and provide greater control over when and how often backups are taken. Snapshots are stored in Amazon S3, providing durability and enabling cross-region disaster recovery.

Architecture Diagram
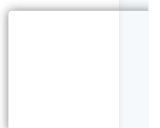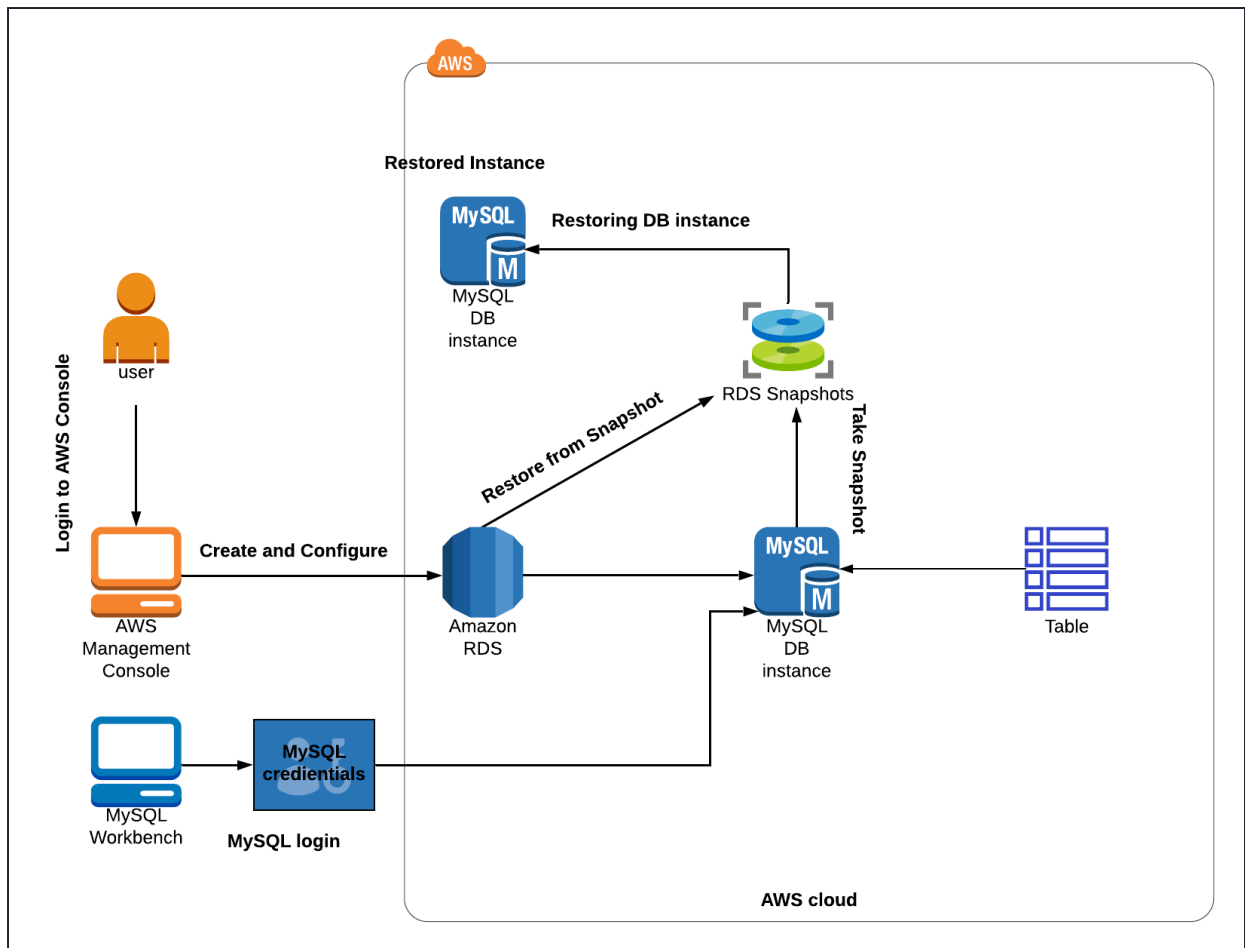
Task Details

1. Sign in to the AWS Management Console.

2. Create a RDS Database.

3. Connecting to RDS Database.

4. Creating a Snapshot.

5. Creating a Backup.

6. Connecting to a Backup Database.

7. Validation of the lab.

8. Deleting AWS Resources.

Prerequisites

1. For testing this lab, it is necessary to download the MySql GUI Tool, To download it, go to the Download MySQL Workbench page. Based on your OS, select the respective option under **Generally Available (GA) Releases**. Download and Install.

Launching Lab Environment

1. To launch the lab environment, Click on the **Start Lab** button.

2. Please wait until the cloud environment is provisioned. It will take less than a minute to provision.

3. Once the Lab is started, you will be provided with **IAM user name**, **Password**, **Access Key**, and **Secret Access Key**.

Note : You can only start one lab at any given time

About Us   Subscription   Instructions and Guidelines   FAQ's   Contact Us

© 2024, Whizlabs Software Pvt. Ltd.