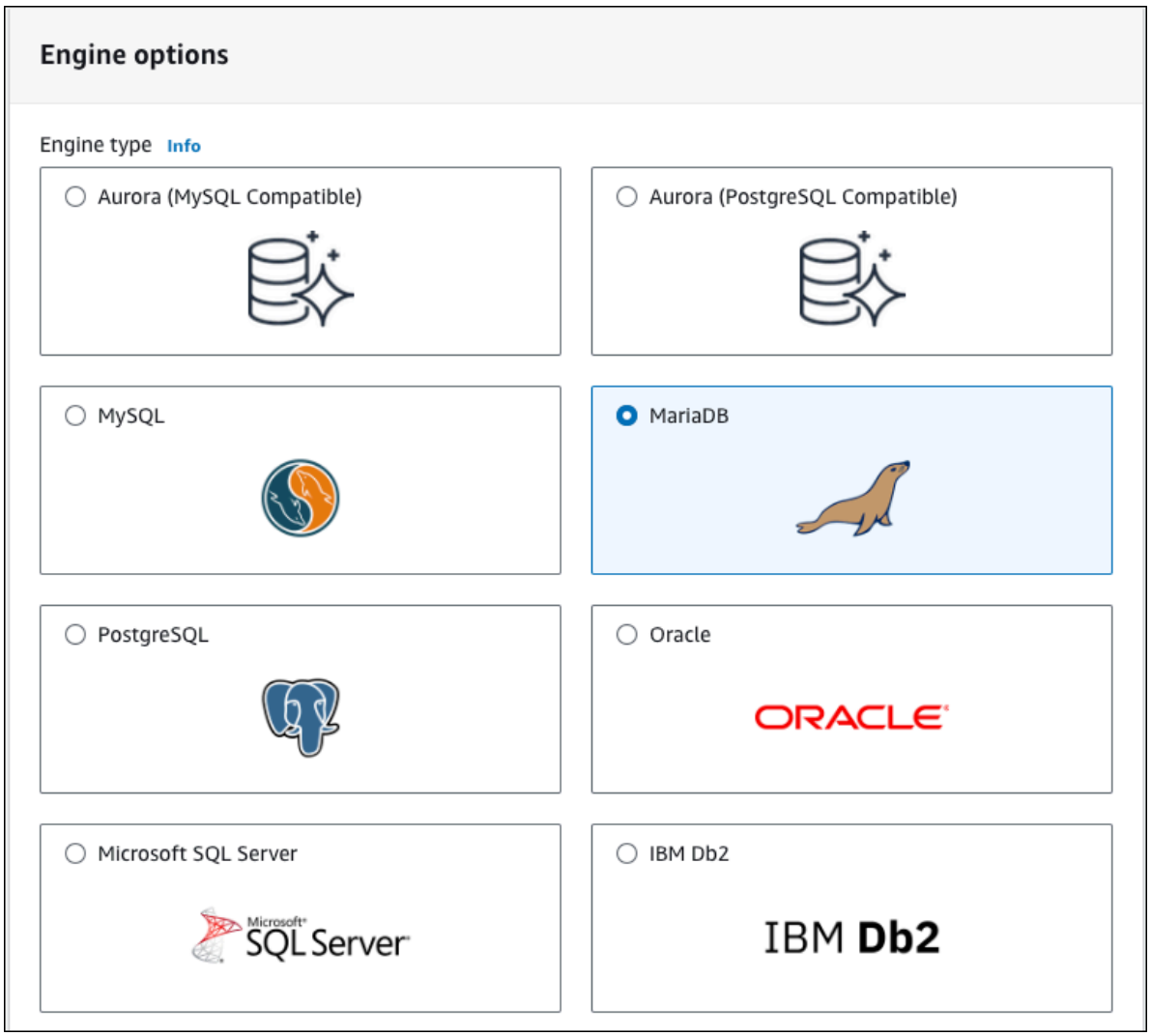
Create an Amazon RDS DB instance

Create an RDS for MariaDB, RDS for MySQL, or RDS for PostgreSQL DB instance that maintains the data used by a web application.

RDS for MariaDB | RDS for MySQL | RDS for PostgreSQL

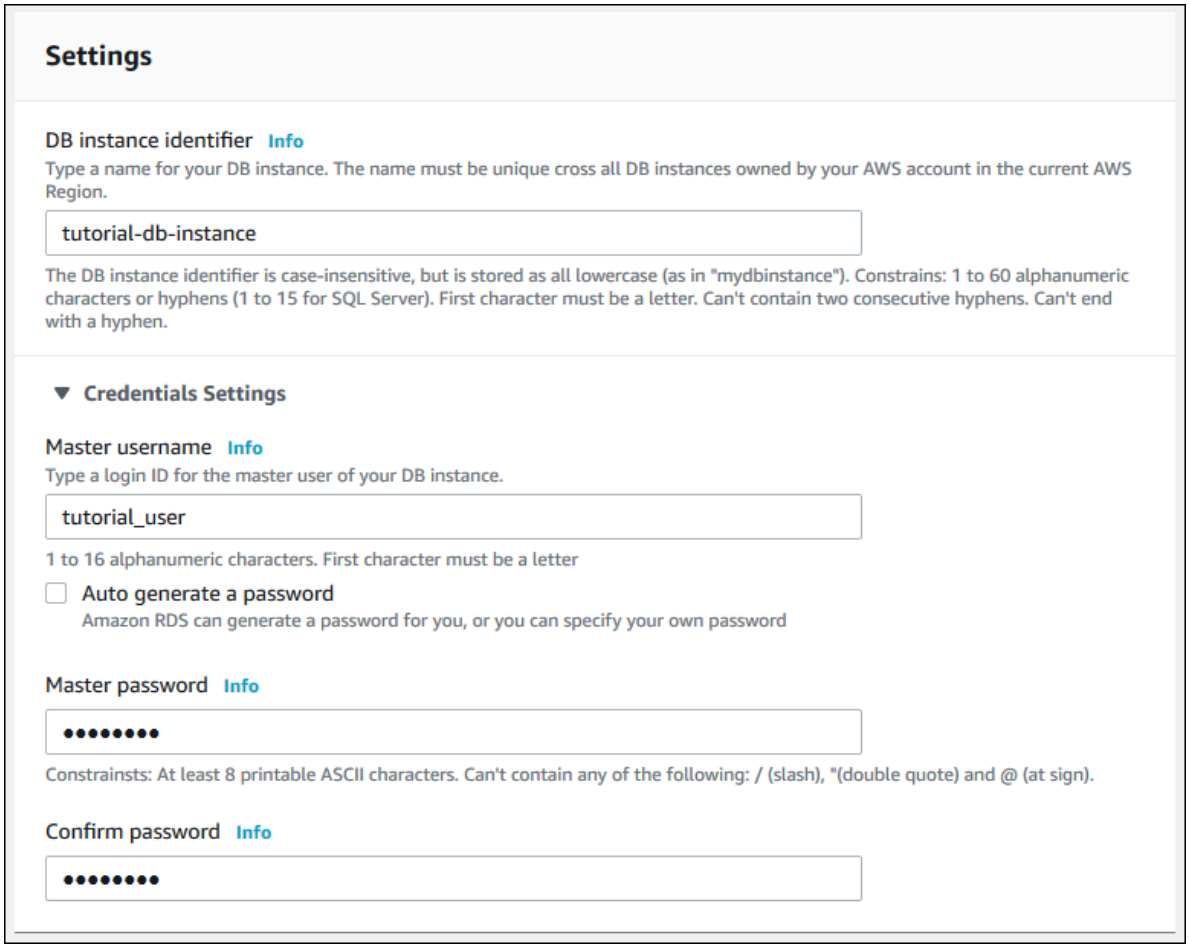
To create a MariaDB instance

1. Sign in to the AWS Management Console and open the Amazon RDS console at https://console.aws.amazon.com/rds/ (https://console.aws.amazon.com/rds/) .
2. In the upper-right corner of the AWS Management Console, check the AWS Region. It should be the same as the one where you created your EC2 instance.
3. In the navigation pane, choose **Databases**.
4. Choose **Create database**.
5. On the **Create database** page, choose **Standard create**.
6. For **Engine options**, choose **MariaDB**.

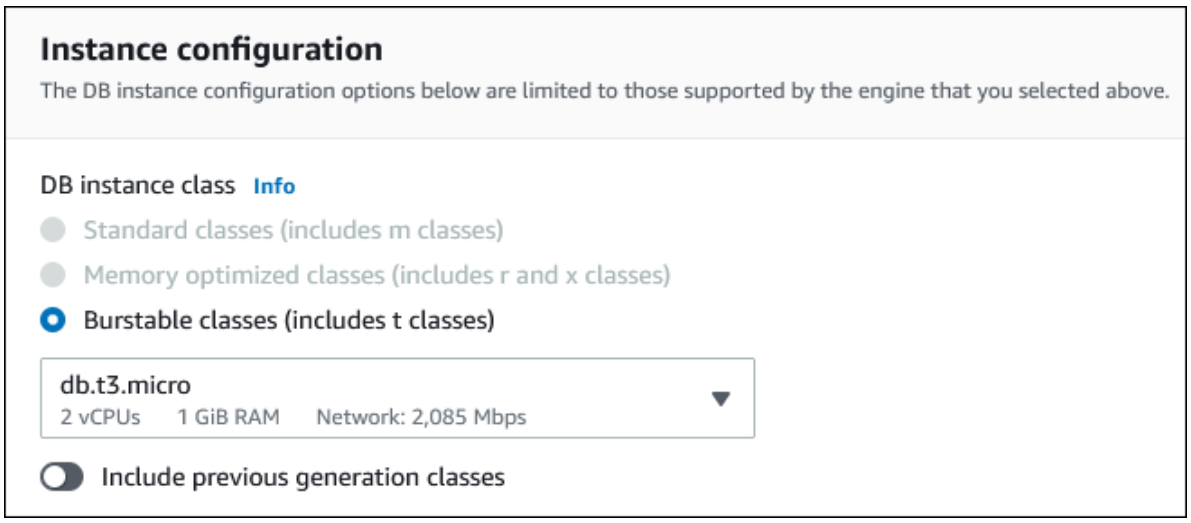


7. For **Templates**, choose **Free tier** or **Sandbox**. **Free tier** appears for free plan accounts. **Sandbox** appears for paid plan accounts.

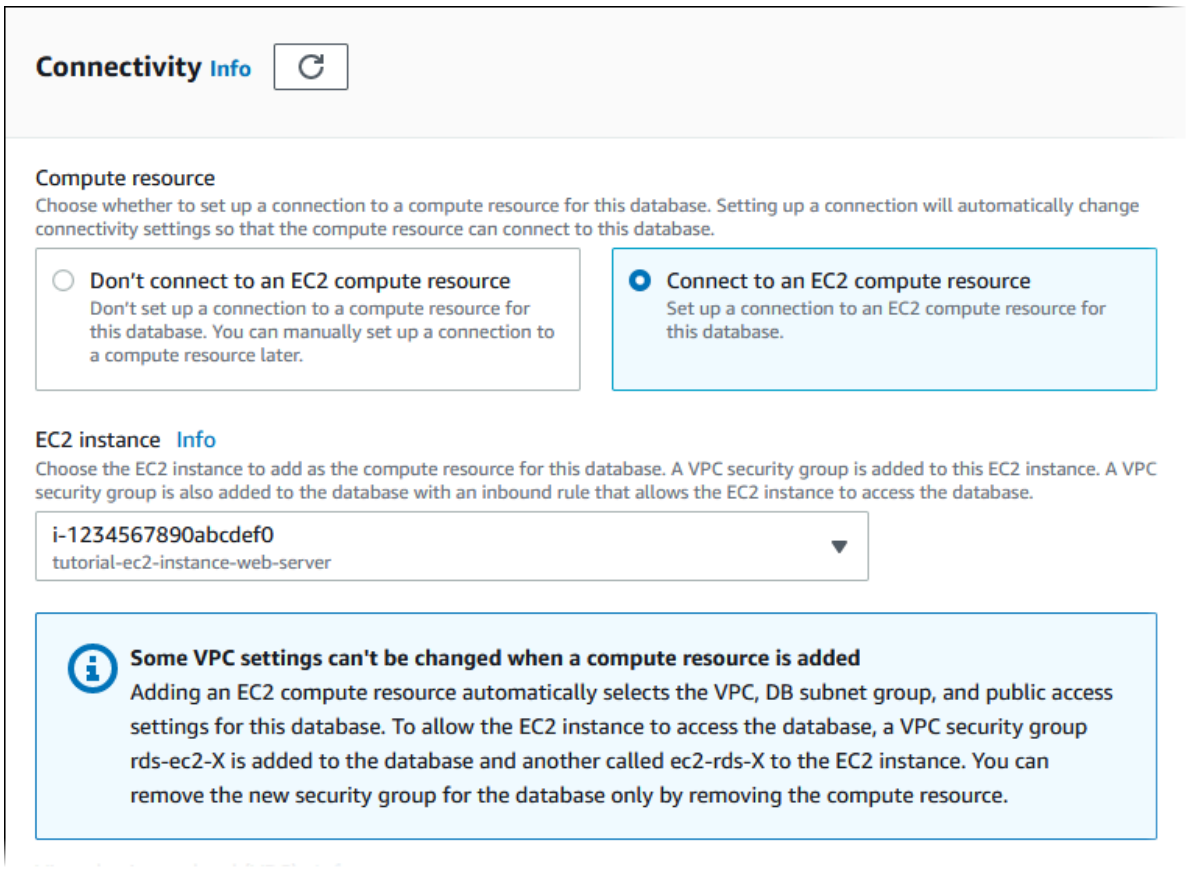
8. In the **Availability and durability** section, keep the defaults.
9. In the **Settings** section, set these values:
    - **DB instance identifier** – Type `tutorial-db-instance`.
    - **Master username** – Type `tutorial_user`.
    - **Auto generate a password** – Leave the option turned off.
    - **Master password** – Type a password.
    - **Confirm password** – Retype the password.



10. In the **Instance configuration** section, set these values:
    - **Burstable classes (includes t classes)**
    - **db.t3.micro**

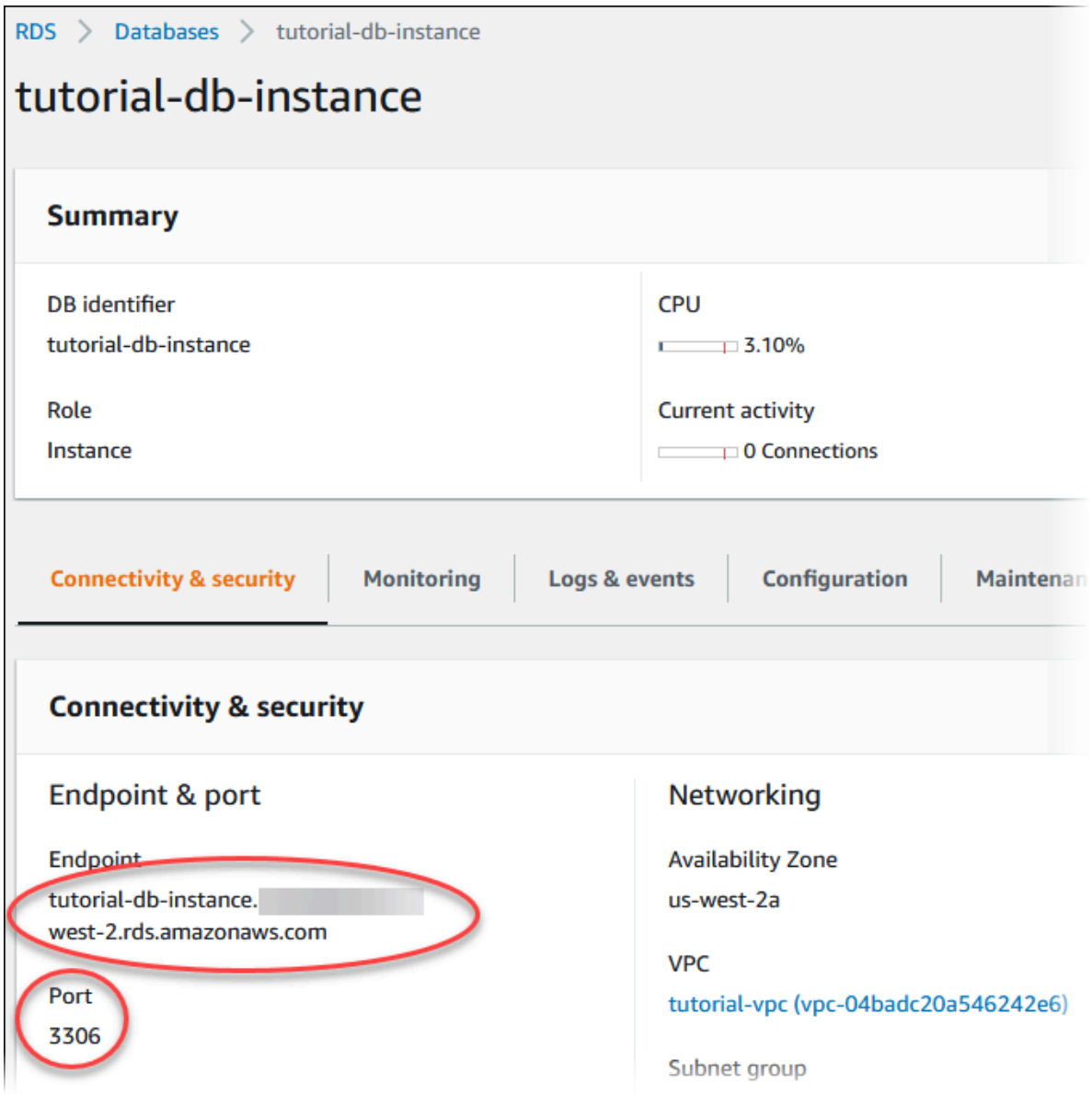


11. In the **Storage** section, keep the defaults.
12. In the **Connectivity** section, set these values and keep the other values as their defaults:
    - For **Compute resource**, choose **Connect to an EC2 compute resource**.
    - For **EC2 instance**, choose the EC2 instance you created previously, such as **tutorial-ec2-instance-web-server**.



13. In the **Database authentication** section, make sure **Password authentication** is selected.
14. Open the **Additional configuration** section, and enter `sample` for **Initial database name**. Keep the default settings for the other options.
15. To create your MariaDB instance, choose **Create database**.

    Your new DB instance appears in the **Databases** list with the status **Creating**.
16. Wait for the **Status** of your new DB instance to show as **Available**. Then choose the DB instance name to show its details.
17. In the **Connectivity & security** section, view the **Endpoint** and **Port** of the DB instance.



Note the endpoint and port for your DB instance. You use this information to connect your web server to your DB instance.

18. Complete Install a web server on your EC2 instance (./CHAP_Tutorials.WebServerDB.CreateWebServer.html) .

Related resources

Amazon RDS API Reference (https://docs.aws.amazon.com/AmazonRDS/latest/APIReference/index.html)

AWS CLI commands for Amazon RDS (https://docs.aws.amazon.com/cli/latest/reference/rds/)

SDKs & Tools (https://aws.amazon.com/tools/)

Recommended tasks

How to

Install or update the latest version of the AWS CLI
(https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html)

Connect CodeBuild to GitLab repositories for build projects
(https://docs.aws.amazon.com/codebuild/latest/userguide/access-tokens-gitlab-overview.html)

Connect to Linux instances using SSH for remote access
(https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/connect-to-linux-instance.html)

Create an EC2 instance to connect with your DB instance
(https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_Tutorials.WebServerDB.LaunchEC2.html)

Install and configure a web server on an EC2 instance
(https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_Tutorials.WebServerDB.CreateWebServer.html)

Learn about

Understand the features and capabilities of Amazon EC2
(https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts.html)

Configure retry options for Firehose delivery
(https://docs.aws.amazon.com/firehose/latest/APIReference/API_AmazonOpenSearchServerlessRetryOptions.html)

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Create an Amazon Aurora DB cluster
(https://docs.aws.amazon.com/AmazonRDS/latest/AuroraUserGuide/CHAP_Tutorials.WebServerD…

Create an Aurora MySQL or PostgreSQL DB cluster, connect to an EC2 instance, and install a web server to power your app.

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Creating and connecting to a Timestream for InfluxDB instance

(https://docs.aws.amazon.com/timestream/latest/developerguide/timestream-for-influx-getting-…

Tutorial creates EC2 instance, InfluxDB DB instance, sends Telegraf data to InfluxDB, accesses InfluxDB UI, deletes instances.

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Kendra › dg

Getting started with a MySQL database data source (console)

(https://docs.aws.amazon.com/kendra/latest/dg/getting-started-mysql.html)

MySQL database configured with VPC, security group, credentials, connection, table, and data source for Amazon Kendra indexing.

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Regions, Availability Zones, and Local Zones

(https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.RegionsAndAvailabilityZo…

Amazon RDS enables placing resources like DB instances in multiple locations including Regions, Availability Zones, and Local Zones for low-latency access.

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