

Windows Server 2012 – MariaDB 10

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Created by:	cloudimg

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1.) Overview

This document is provided as a user guide for the Windows Server 2012 – MariaDB 10 product offering on the AWS Marketplace. Please reach out to support@cloudimg.co.uk if any issues are encountered following this user guide for the chosen product offering.

2.) Access & Security



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Please update the security group of the target instance to allow the below ports and protocols for access and connectivity.

Protocol	Type	Port	Description
RDP	TCP	3389	Remote Desktop Access
TCP	TCP	3306	MariaDB Database Listener Port

3.) System Requirements

The minimum system requirements for the chosen product offering can be found below

Minimum CPU	Minimum RAM	Required Disk Space
1	1 GB	30GB

4.) Connecting to the Instance

Once launched in the Amazon EC2 Service, please connect to the instance via an RDP client using the **Administrator** user. Please allow the EC2 Instance to pass 2/2 status checks before connecting via RDP to allow the system enough time to complete the boot process.

To obtain the randomly generate password on boot for the Administrator user, please follow the below steps in the AWS Console.

Log into the Target AWS Account > Select the region of which was chosen to host the newly launched cloudimg AMI



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Console Home Info

Reset to default layout + Add widgets

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AWS Health Info

Open issues: 0 (Past 7 days)

Scheduled changes: 0 (Upcoming and past 7 days)

Cost and usage Info

Current month costs: **\$55.04**

Forecasted month end costs: **\$103.38** (Up 5% over last month)

Top costs for current month

Service	Cost
EC2 - Other	\$40.90
Tax	\$9.17
Amazon Simple Storage Service	\$3.20

Feedback Looking for language selection? Find it in the new Unified Settings [Unified Settings](#)

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Select EC2

Resources EC2 Global view

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Resource	Count
Instances (running)	1
Dedicated Hosts	0
Elastic IPs	0
Instances	1
Key pairs	12
Load balancers	0
Placement groups	0
Security groups	2
Snapshots	863
Volumes	1

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

[Launch instance](#) [Migrate a server](#)

Note: Your instances will launch in the US East (N. Virginia) Region

Scheduled events

US East (N. Virginia)

Service health

Region: US East (N. Virginia)

Status: [AWS Health Dashboard](#)

[This service is operating normally](#)

Zones

Zone name	Zone ID
us-east-1a	use1-az6

Account attributes

[Supported platforms](#)

- VPC

[Default VPC](#)

vpc-07e0f3e8d8ba1a40

Settings

- [EBS encryption](#)
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T4g instances deliver the best price performance for burstable general purpose workloads in Amazon EC2. [Learn more](#)

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<https://console.aws.amazon.com/console/home?region=us-east-1> [Unified Settings](#)

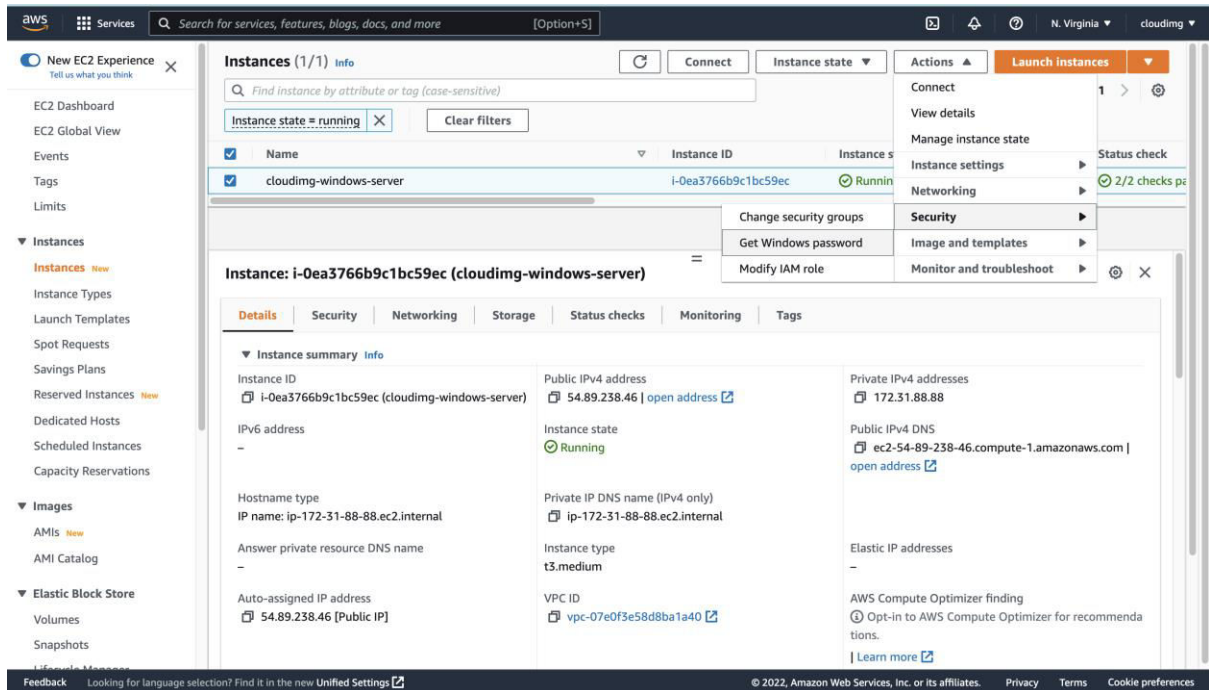
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Select Instances (running)

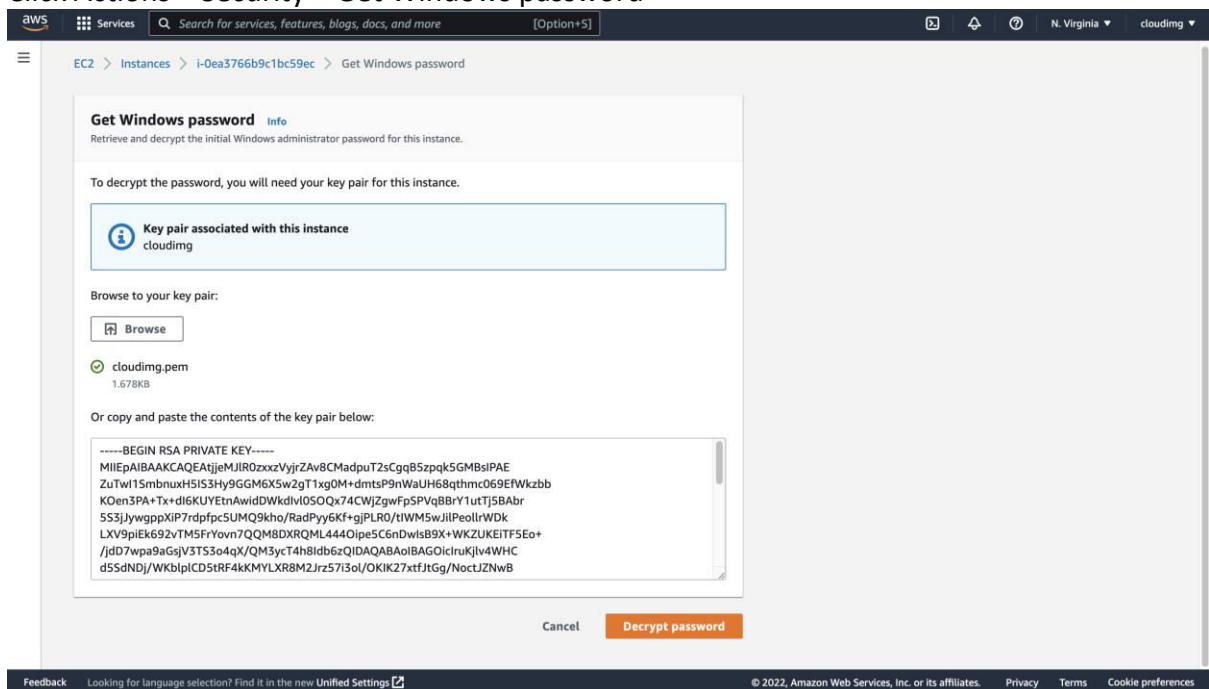


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Search for the newly launched EC2 Instance
 Select the Radio button above for the instance
 Click Actions > Security > Get Windows password

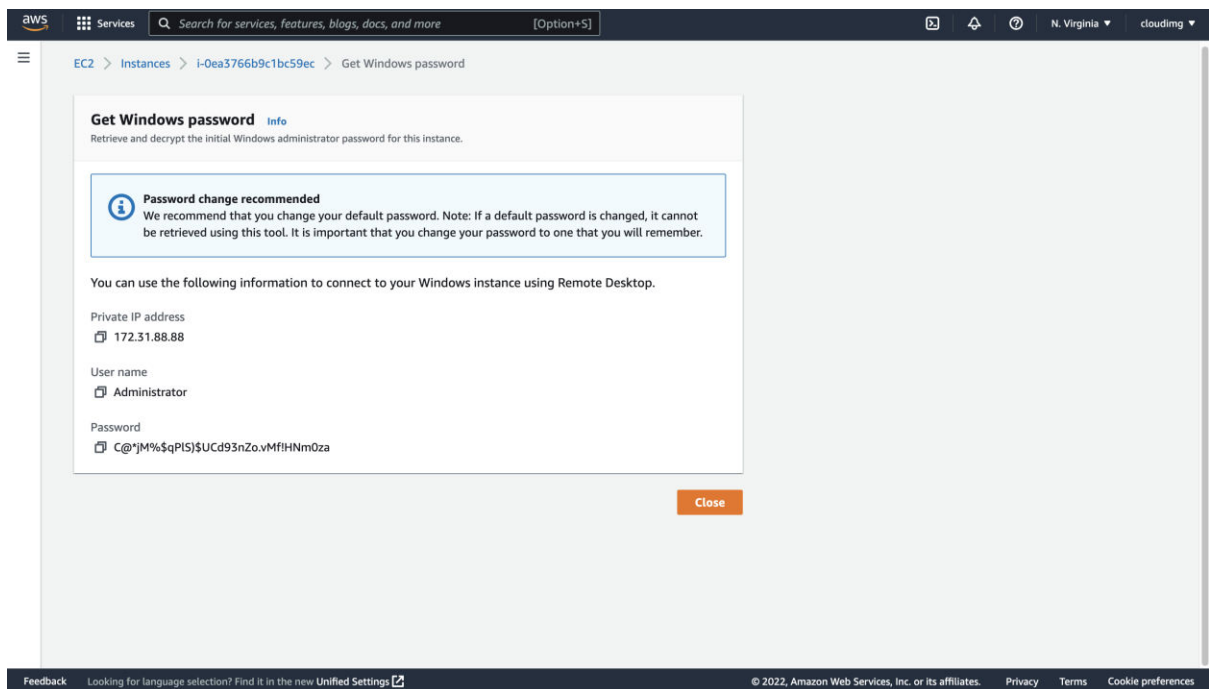


Click Browse and upload the key pair selected during the launch of the EC2 instance from the AWS Marketplace.
 Click Decrypt password

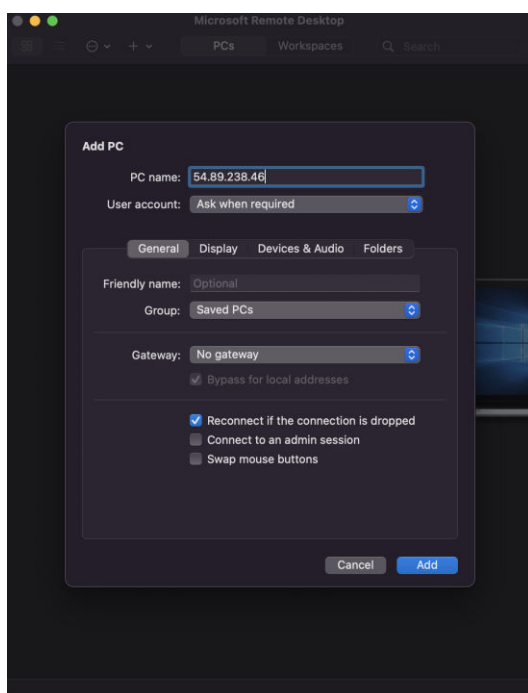


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The Administrator password will now appear in plain text like the above example. Take a copy of this value and open a Remote Desktop Client Application.



Create a new connection and enter the IP address of the newly launched EC2 Instance. For this example, the public IP address will be used as the server has been launched in a public subnet. Use the private IP address where applicable for your environment if you have a private connection into the AWS VPC of which hosts the EC2 Instance. These Private connections often take the form of a VPN connection.

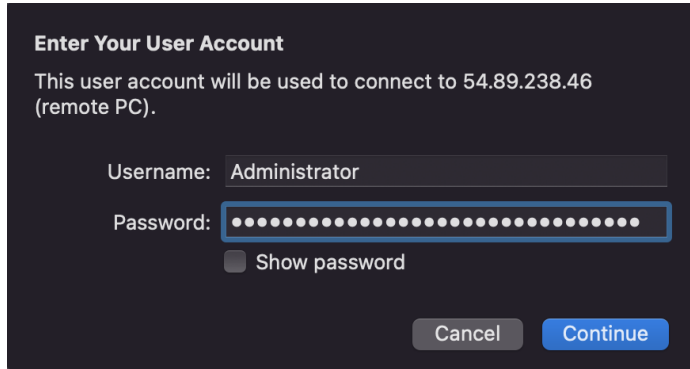


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Click Add

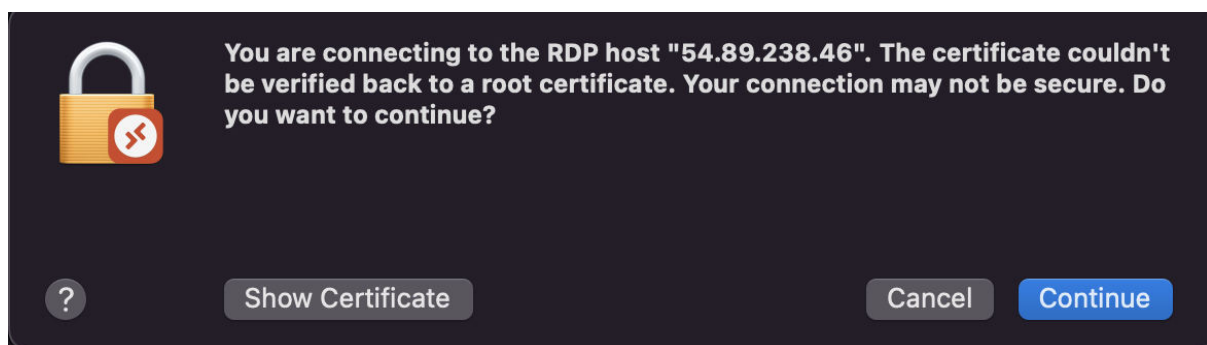
Once added, double click the connection profile created in the above step, you will be prompted for a username & password. Enter the below values.



Username: Administrator

Password: DECRYPTED VALUE RETRIEVED FROM THE ABOVE STEPS

Click Continue

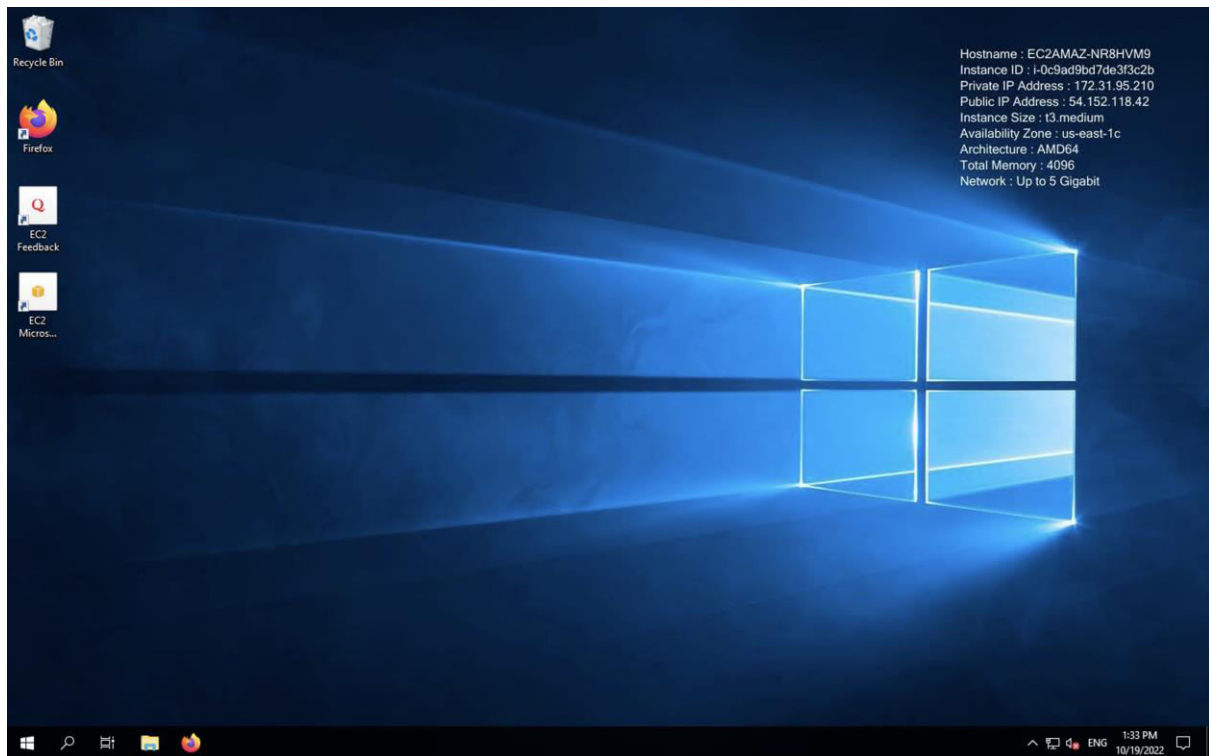


Click Continue if a pop up like the above appears.



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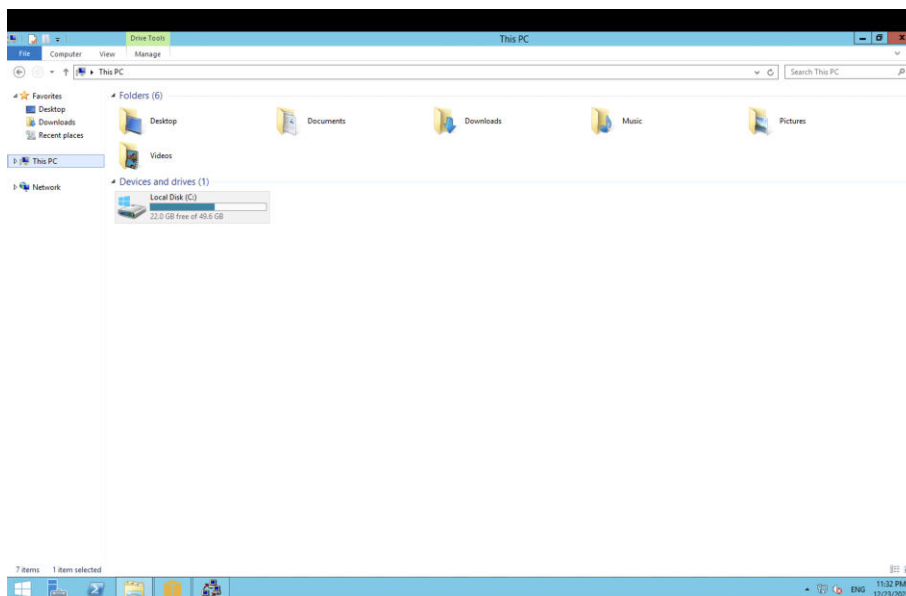
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You have now successfully connected to the Windows Server hosted in AWS.

5.) Filesystem Configuration

Please see below for a screenshot of the server disk configuration and specific mount point mappings for software locations.



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6.) Server Components

Please see below for a list of installed server components.

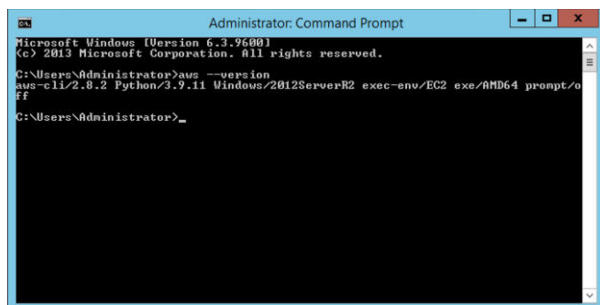
Component	Version	Install Location
AWS CLI	2.8.2	
AWS CloudWatch Agent	1.3.5	
AWS Systems Manager Agent	3.1.1	
MariaDB	10.10.2	C:\Program Files\MariaDB 10.10
HeidiSQL	11.3	C:\Program Files (x86)\Common Files\MariaDBShared\HeidiSQL

7.) Using System Components

Instructions can be found below for using each component of the server build mentioned in section 7 of this user guide document.

AWS CLI

Using AWS CLI – as any OS user via the CMD programme.



```
aws --help
```

AWS CloudWatch Agent

The CloudWatch Agent wizard can be launched via the below command for the configuration required pertaining to your specific use case. Run the below command from a CMD prompt.



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```
cd "C:\Program Files\Amazon\AmazonCloudWatchAgent"  
amazon-cloudwatch-agent-config-wizard.exe
```

Once configured you will be able to start the AWS CloudWatch Agent via PowerShell by issuing the below command. Exchange the values below in bold to point to that of your configuration file.

```
& "C:\Program Files\Amazon\AmazonCloudWatchAgent\amazon-cloudwatch-agent-ctl.ps1" -a fetch-  
config -m ec2 -s -c file:configuration-file-path
```

AWS Systems Manager

The AWS Systems Manager agent has been configured to start on boot.

MariaDB

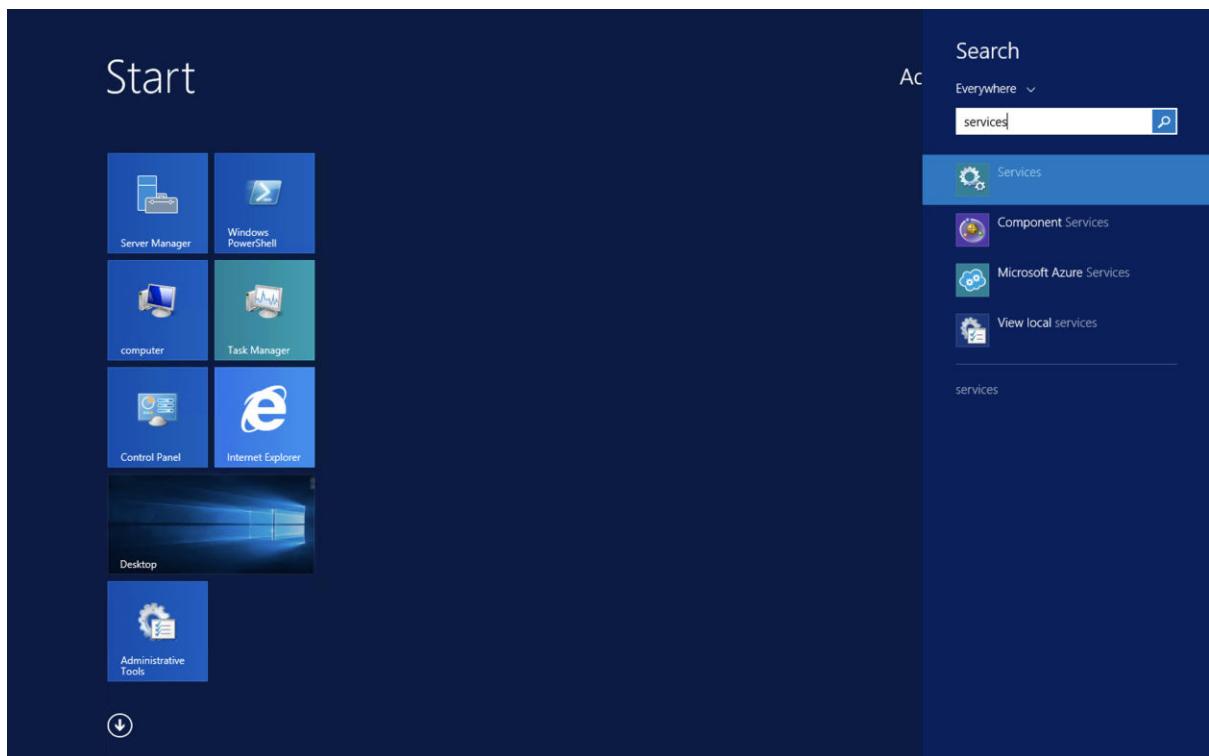
The MariaDB Database service has been configured to start on boot via a Windows Service. You can stop, start or check the status of the mariadb service by following the below steps.

From the Windows Start Menu > Search for Services

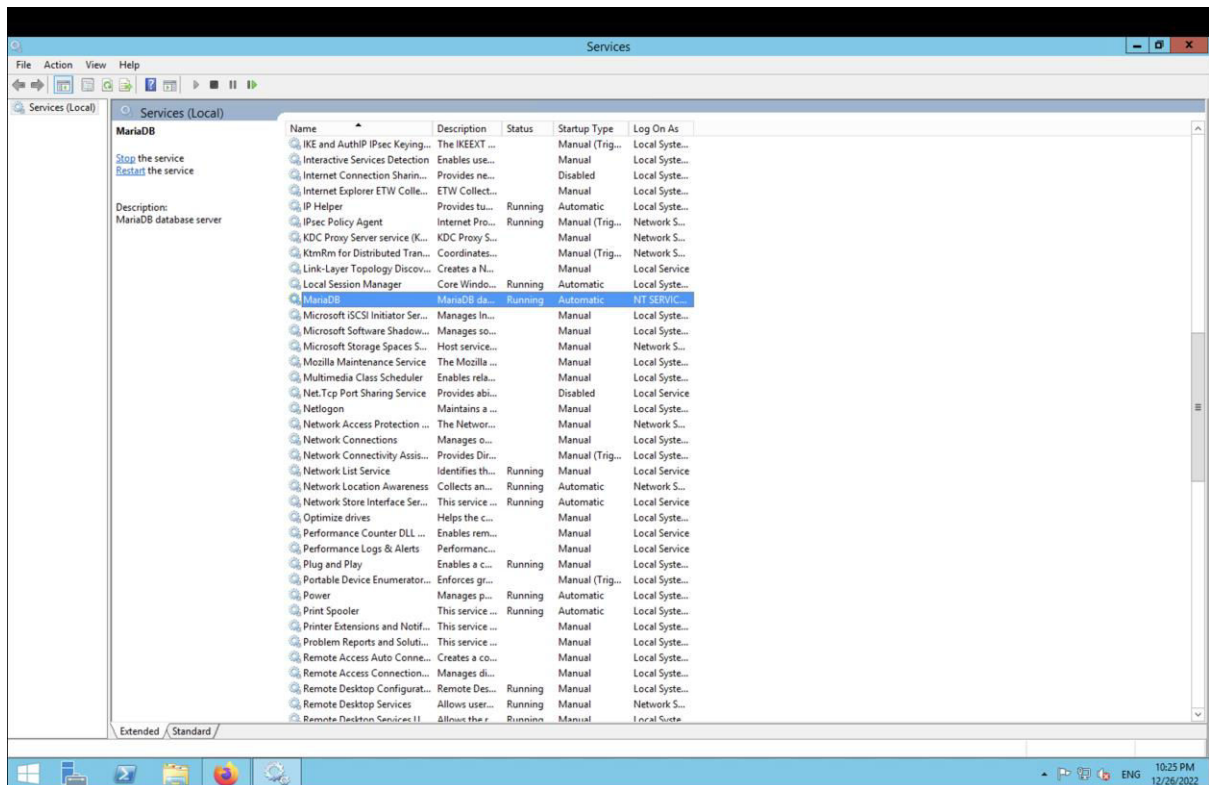


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Click Services



Search for the Service – MariaDB > Double Click

From the above menu you can reconfigure the service to not start on boot, stop, start and or restart the service manually.



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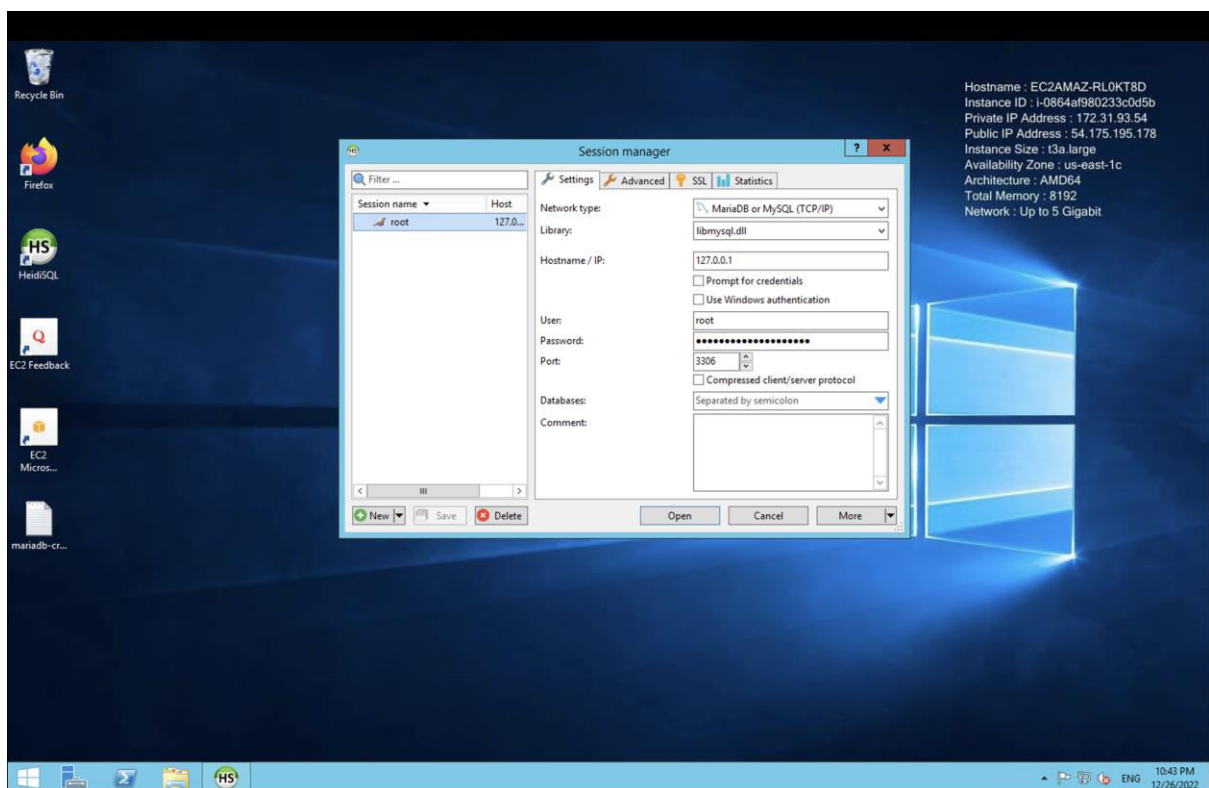
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HeidiSQL

HeidiSQL has been preinstalled to allow for connectivity to the database for administration. The .exe for HeidiSQL can be found on the Desktop via the below pre-populated icon.



Upon double clicking the above .exe, HeidiSQL will load and look similar to the below.



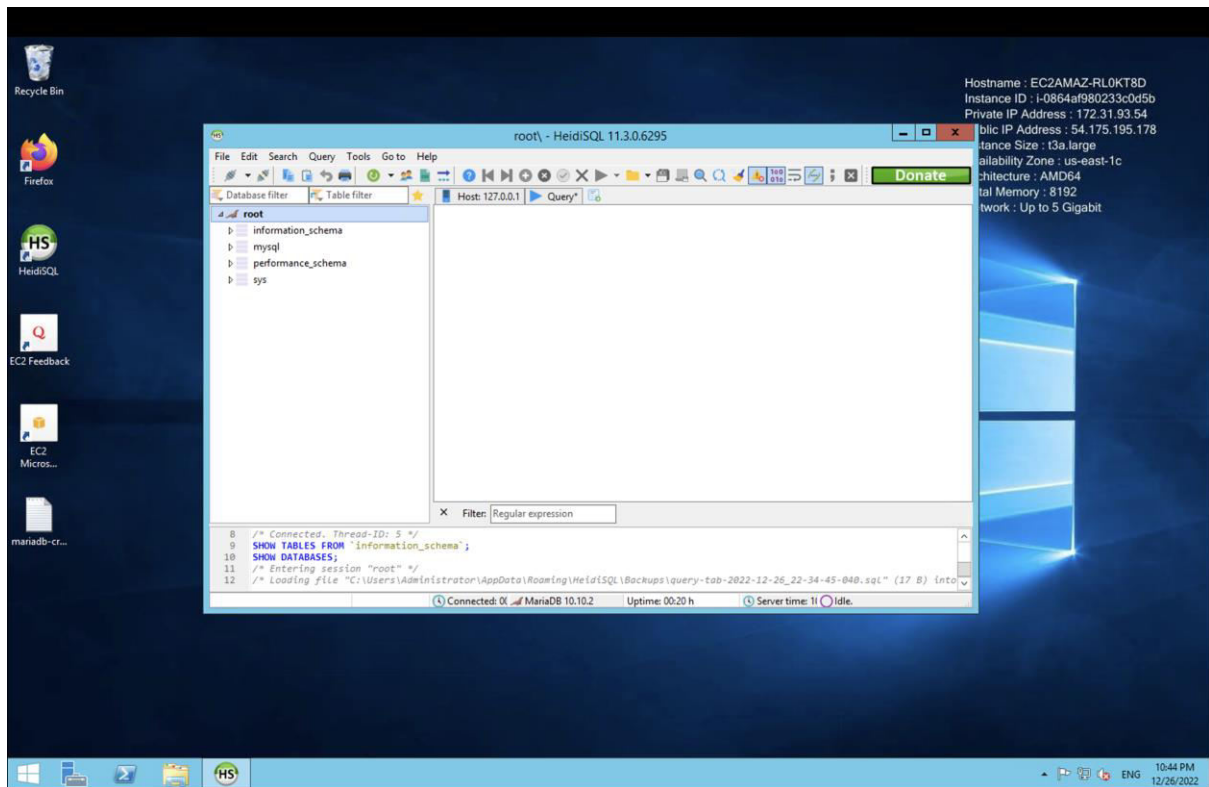
A configuration has been pre-populated for a local connection to the MariaDB Database running on the instance as the root user. Please refer to the mariadb-credentials file found on the Desktop of the Administrator user for the randomly generated credential of the root database user.

Click Open



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A successful connection has been made to the locally running MariaDB Database Instance. The database is ready for use.



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