MariaDB - Windows

Version:	1.0.0
Created by:	cloudimg

Table of Contents

1.) Overview

This document is provided as a user guide for the MariaDB 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

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

Protocol	Type	Port	Description
SSH	TCP	3389	RDP Connectivity
Custom 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	20 GB

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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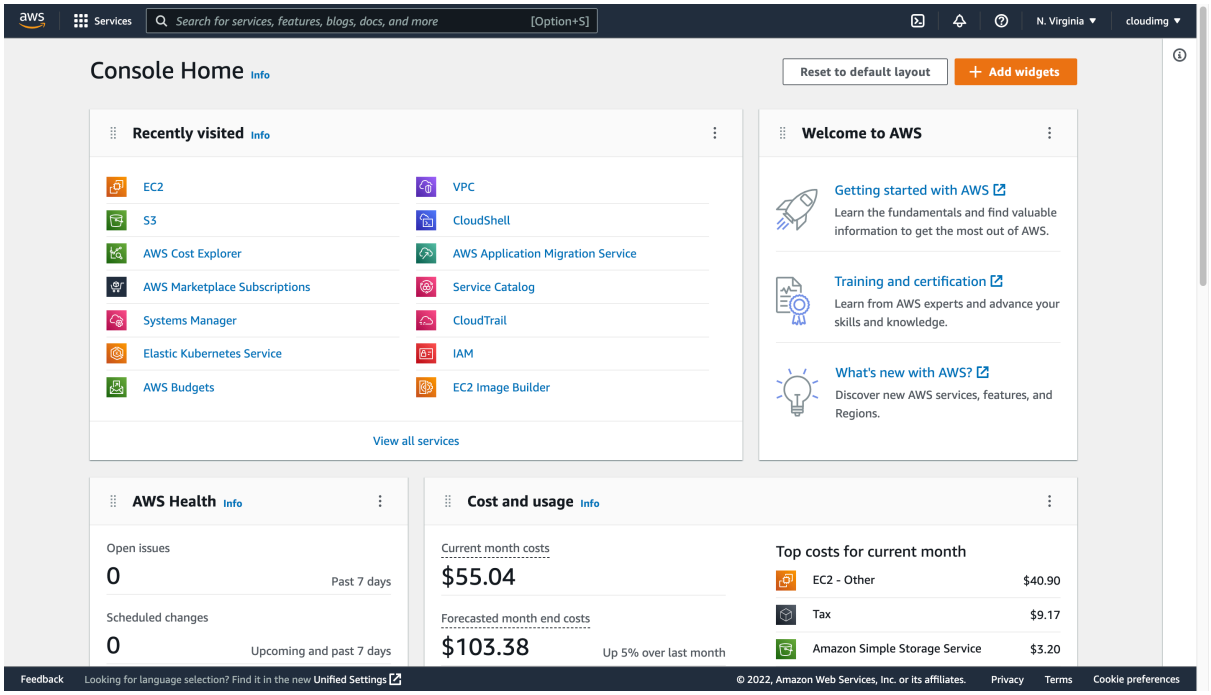
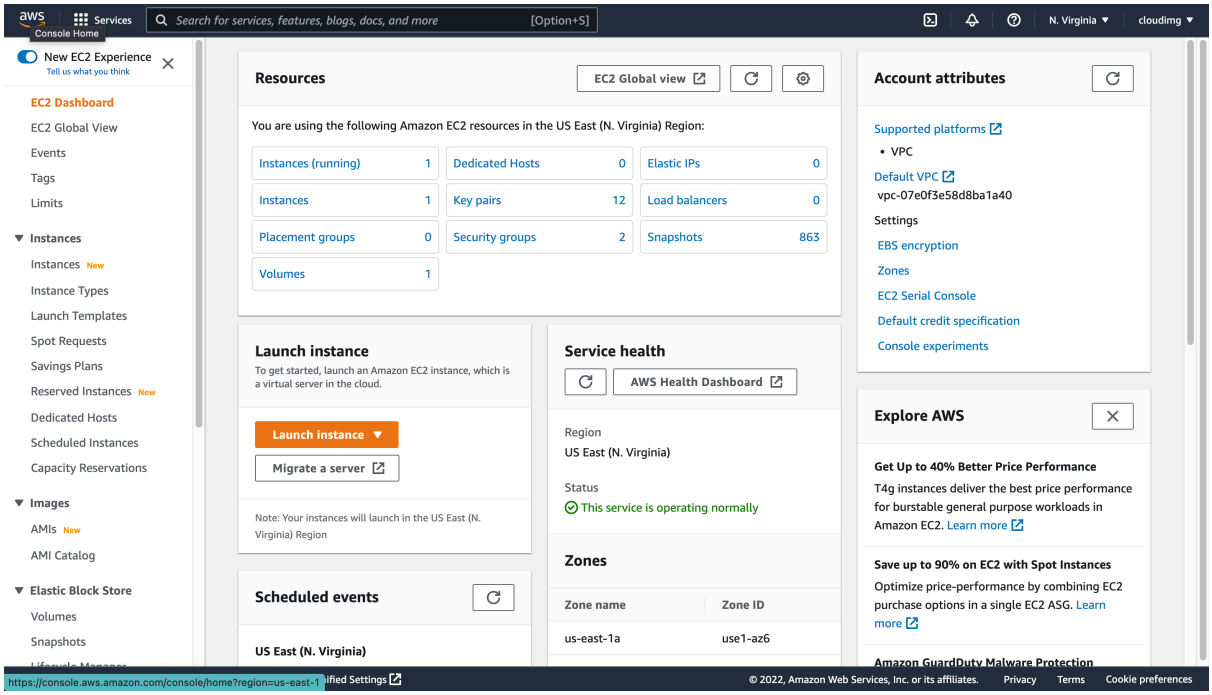


Select EC2



Select Instances (running)

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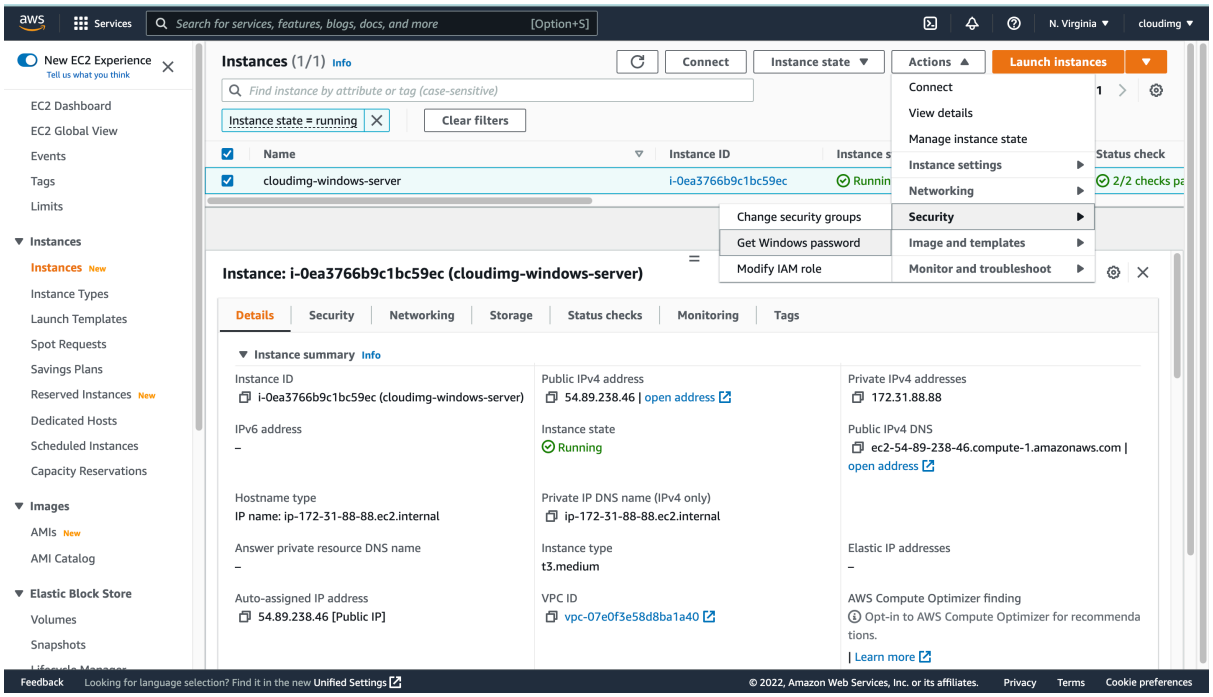
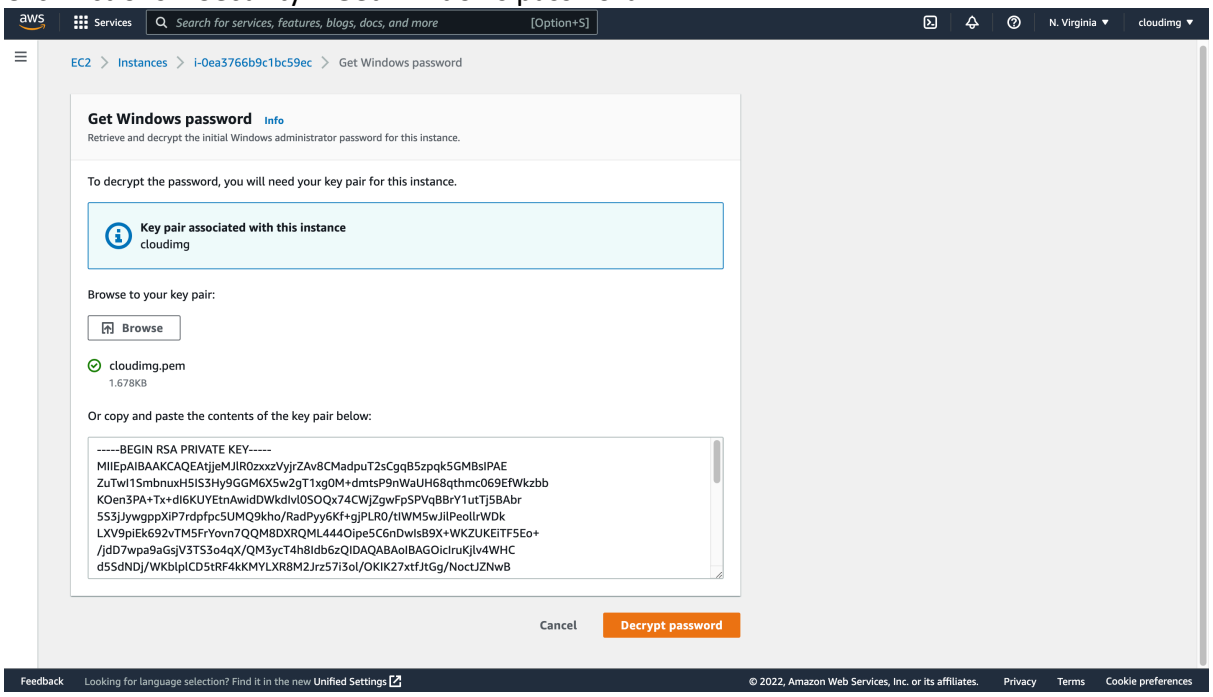


Search for the newly launched EC2 Instance
Select the Radio button above for the instance
Click Actions > Security > Get Windows password



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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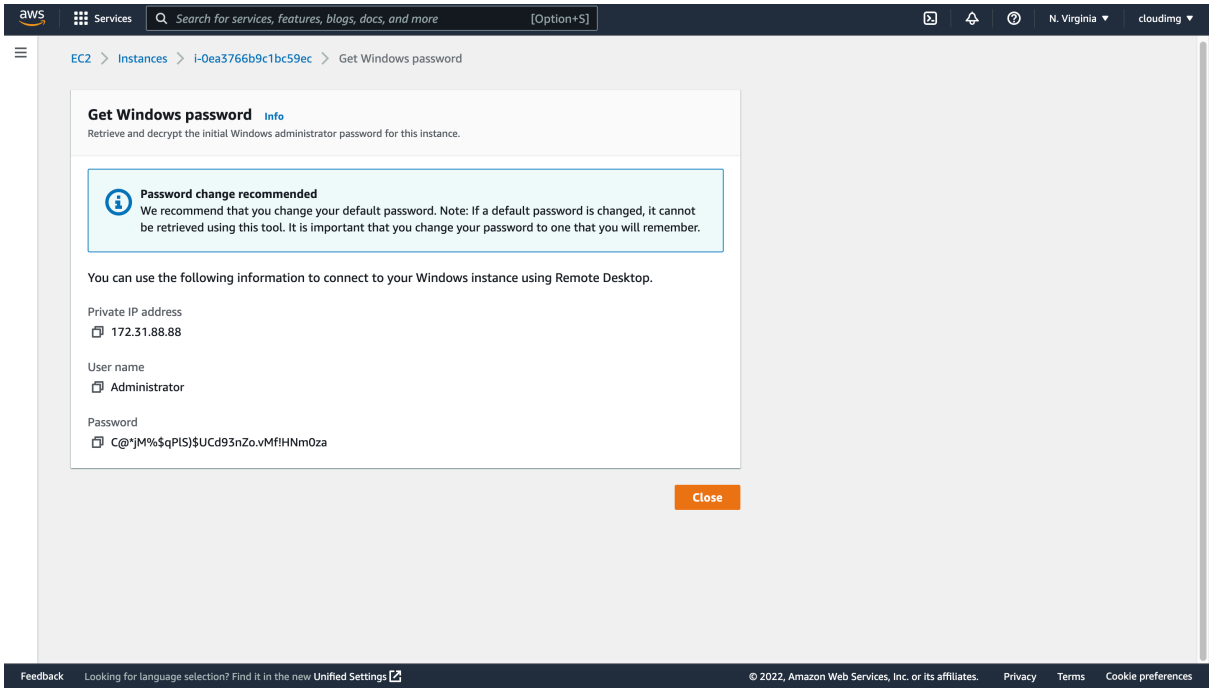
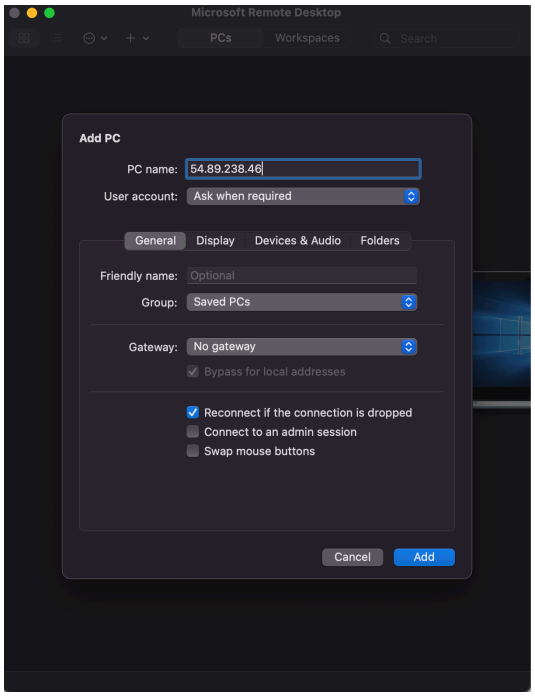


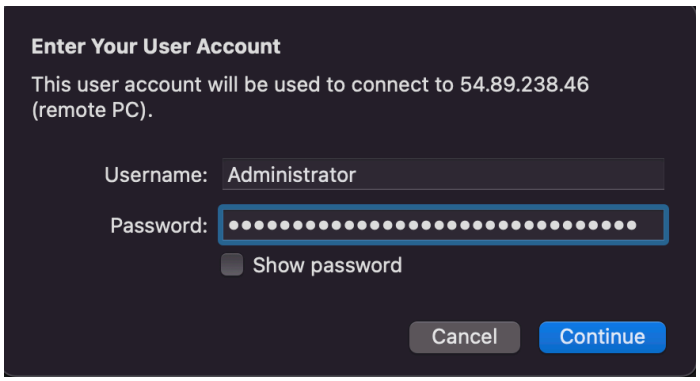
The Administrator password will now appear in plain text like the above example. Take a copy of this value and open a Remote Desktop Client Application.



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.

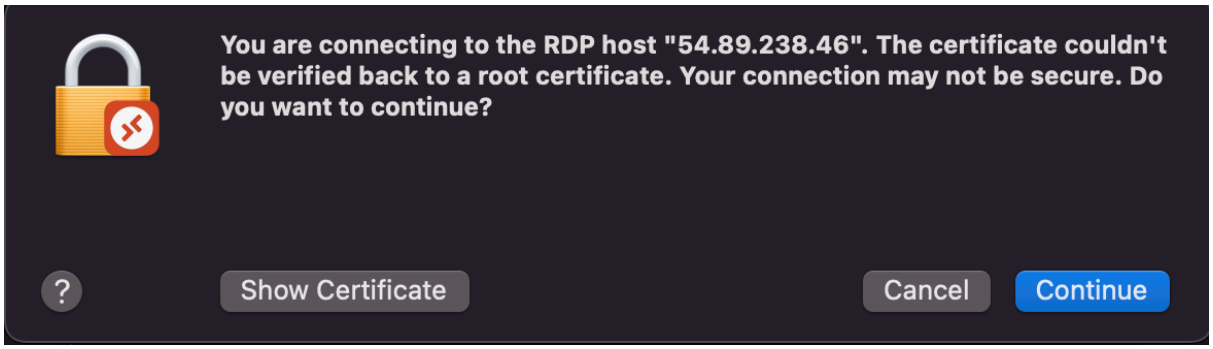
Click Add

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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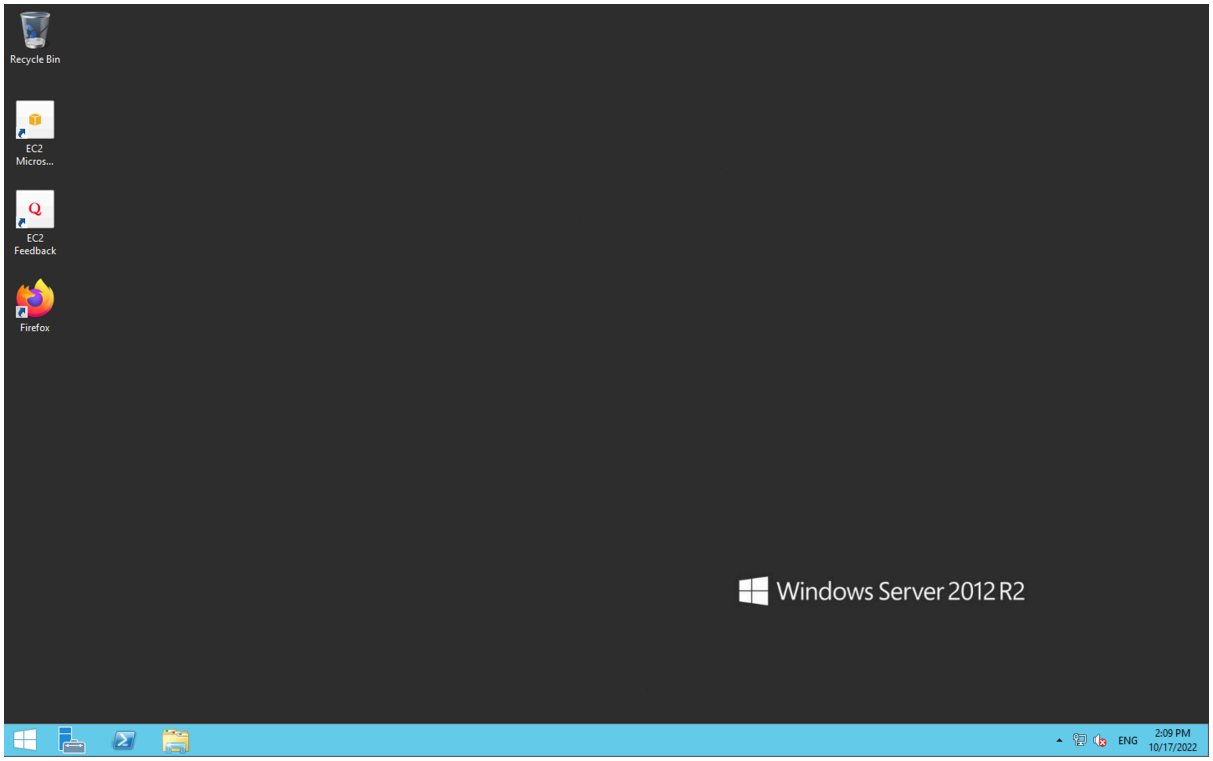


You have now successfully connected to the Windows Server hosted in AWS.

5.) On Startup

An OS package update script has been configured to run on boot to ensure the image is fully up to date at first use. You can disable this feature by removing the script from /stage/scripts/ and deleting the entry in crontab for the root user.

Disable the OS update script from running on reboot

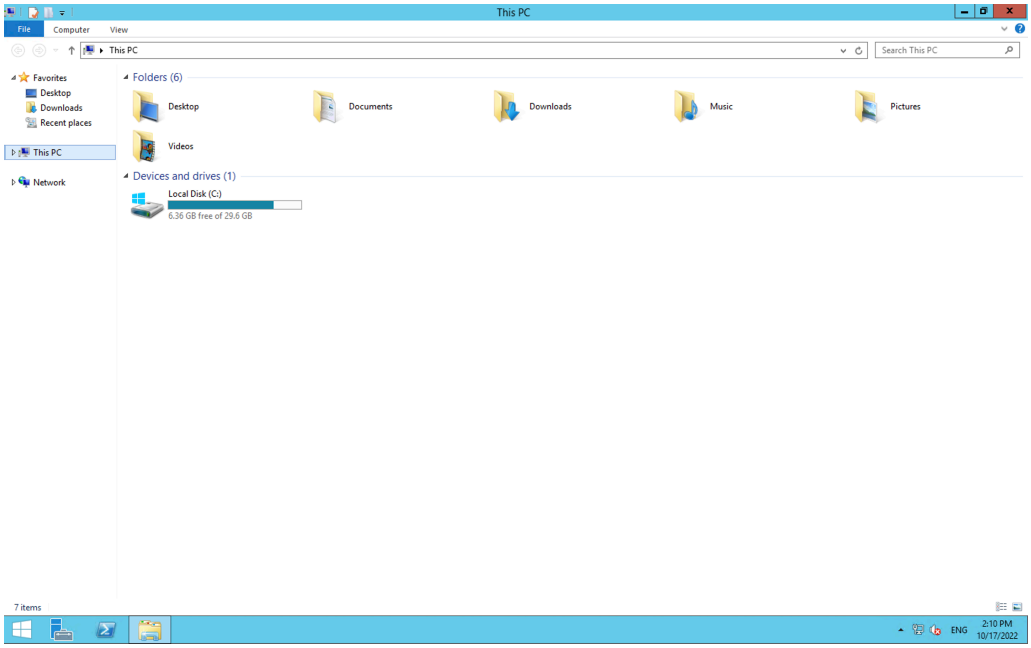
```
rm -f /stage/scripts/initial_boot_update.sh

crontab -e

#DELETE THE BELOW LINE. SAVE AND EXIT THE FILE.
@reboot /stage/scripts/initial_boot_update.sh
```

6.) Filesystem Configuration

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



7.) Server Components

Please see below for a list of installed server components.

Component	Version
MariaDB	Latest

8.) 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.

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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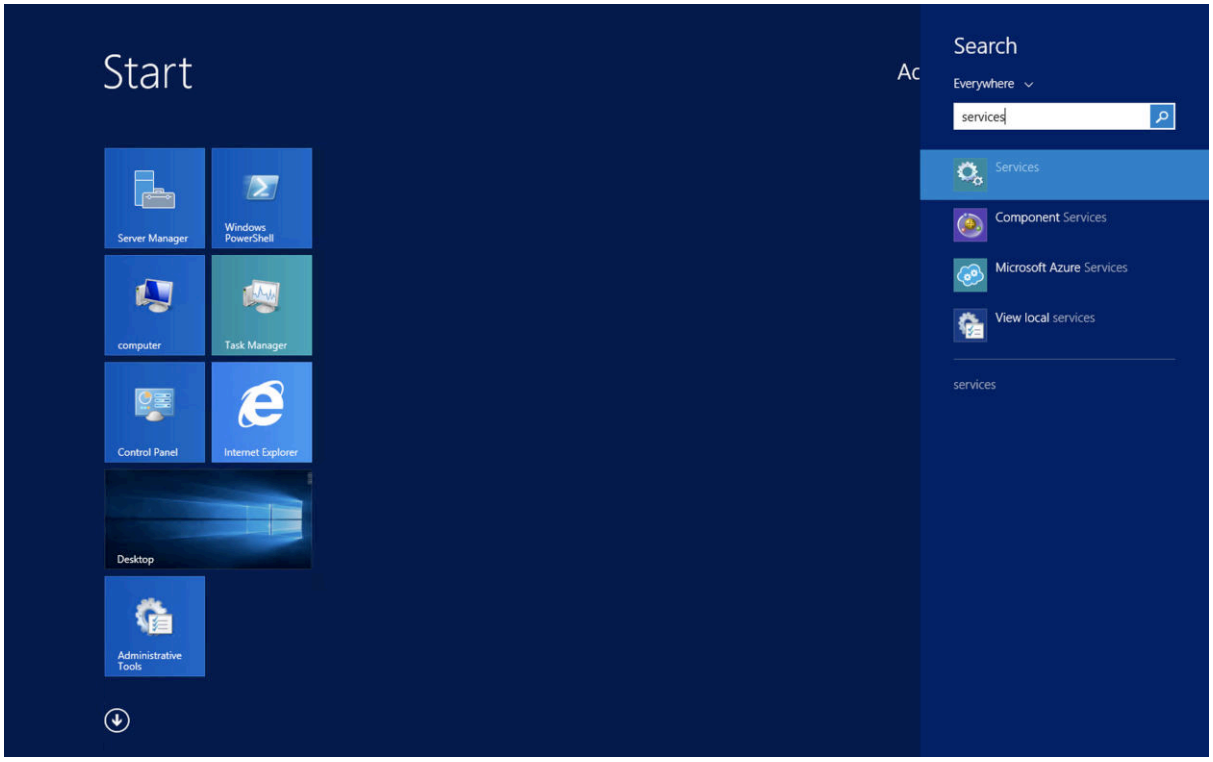
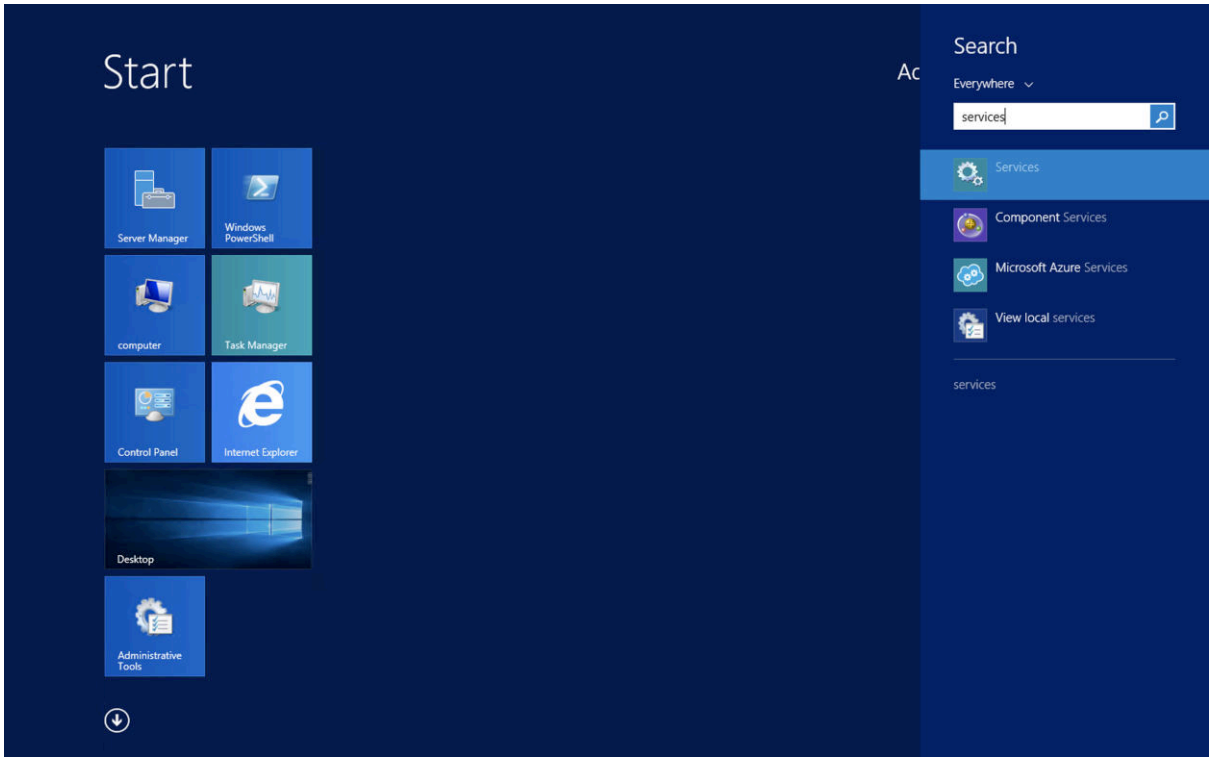


Click Services



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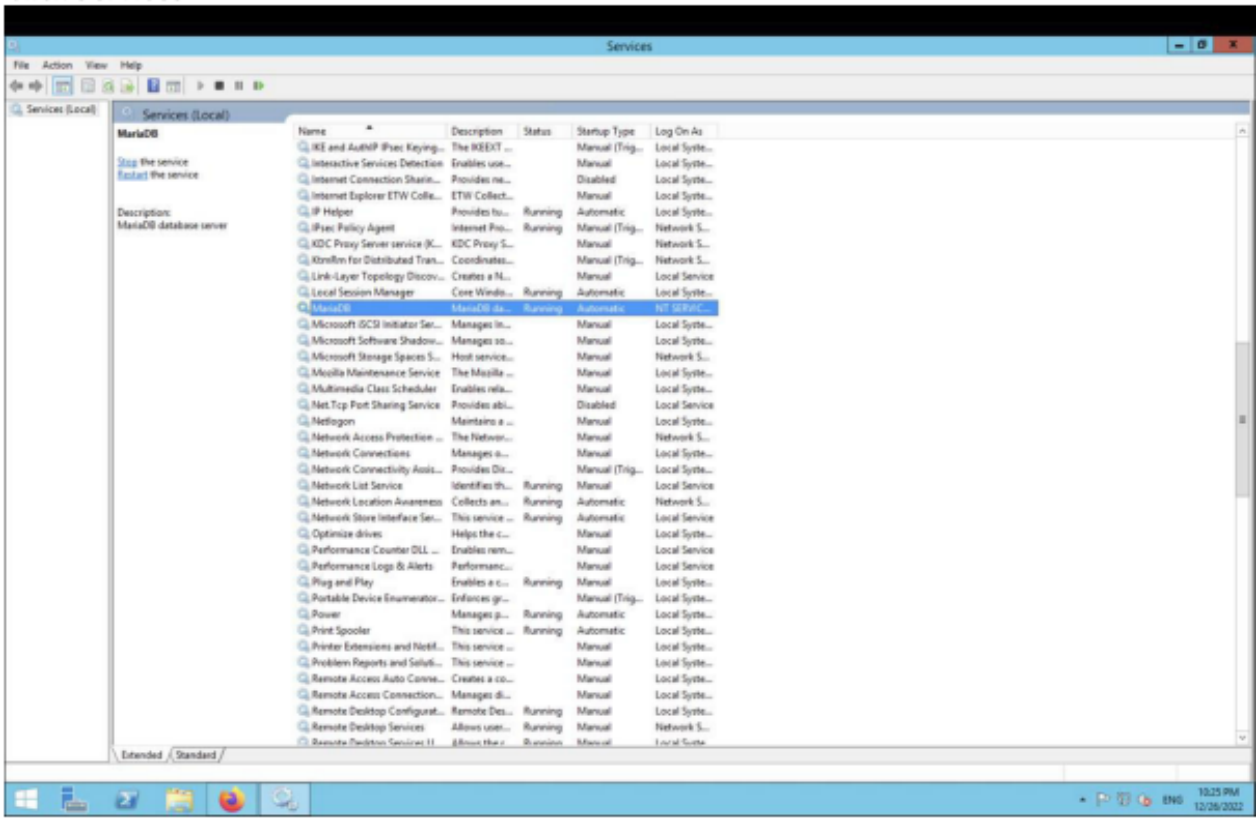

Search for the Service – MariaDB > Double Click

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

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.

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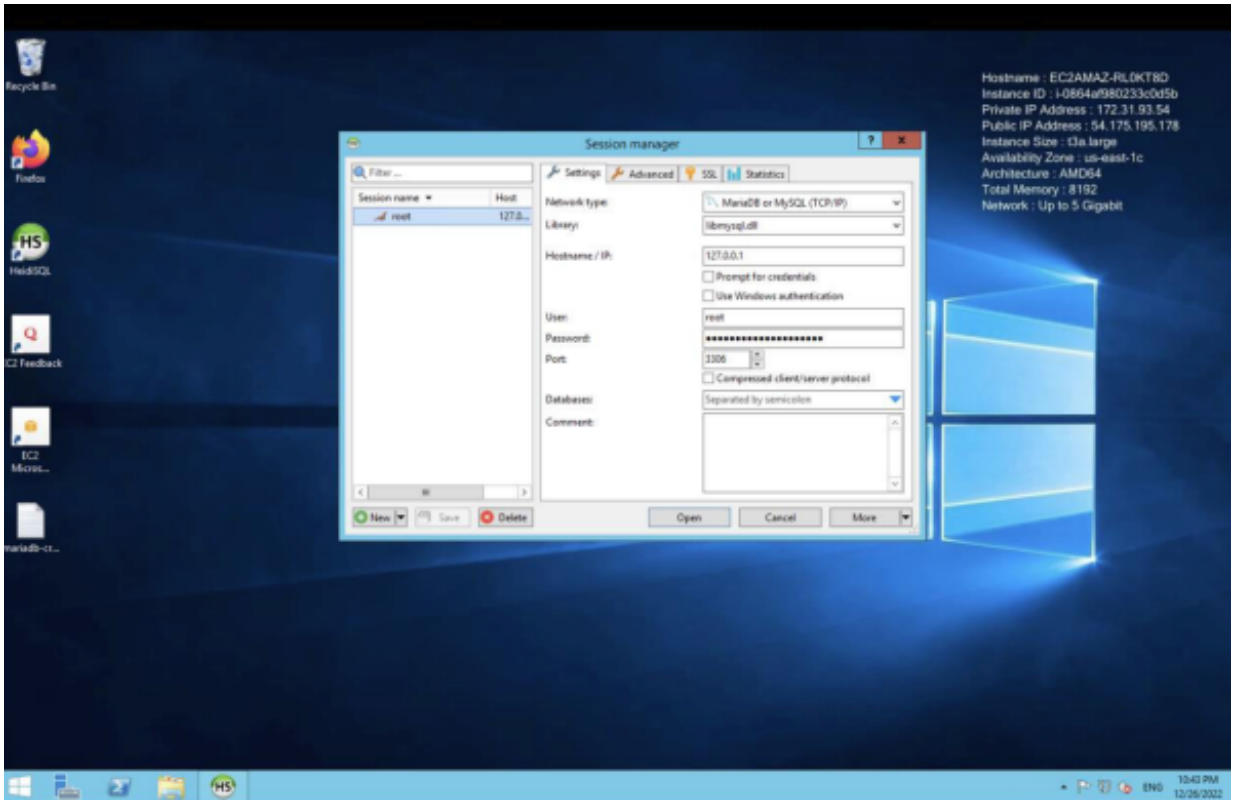
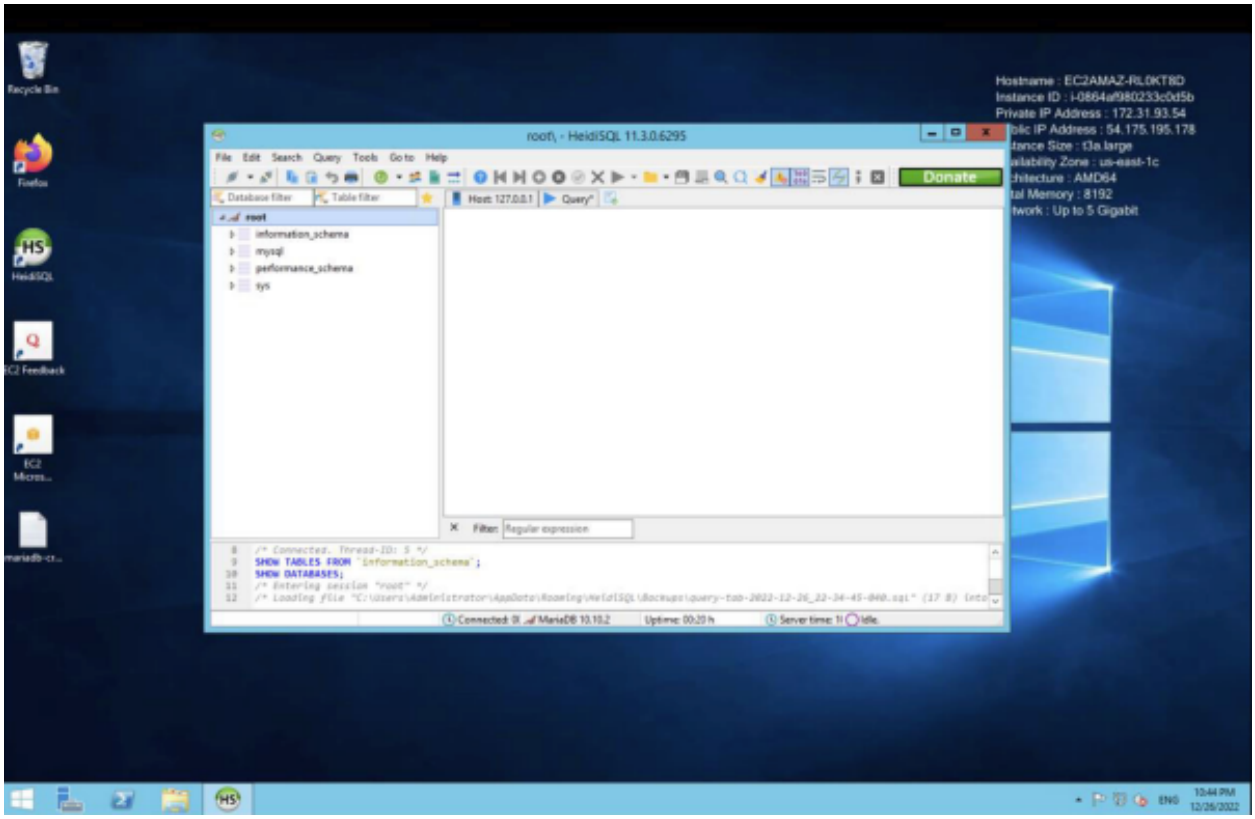
Upon double clicking the above .exe, HeidiSQL will load and look similar to the below.



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



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

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