

MariaDB - Windows

Version:	1.0.0
Created by:	cloudimg

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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



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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
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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Console Home Info

Reset to default layout + Add widgets

Recently visited Info

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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

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

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

▼ **Instances**

- Instances **New**
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances **New**
- Dedicated Hosts
- Scheduled Instances
- Capacity Reservations

▼ **Images**

- AMIs **New**
- AMI Catalog

▼ **Elastic Block Store**

- Volumes
- Snapshots

Resources EC2 Global view

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

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: **✓ This service is operating normally**

[AWS Health Dashboard](#)

Zones

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

Account attributes

Supported platforms

- VPC

Default VPC [vpc-07e0f3e58d8ba1a40](#)

Settings

- EBS encryption
- Zones
- EC2 Serial Console
- Default credit specification
- Console experiments

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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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Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Instance state: **running** Clear filters

Name	Instance ID	Instance state
cloudimg-windows-server	i-0ea3766b9c1bc59ec	Running

Instance: i-0ea3766b9c1bc59ec (cloudimg-windows-server)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary Info

Instance ID i-0ea3766b9c1bc59ec (cloudimg-windows-server)	Public IPv4 address 54.89.238.46 open address	Private IPv4 addresses 172.31.88.88
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-54-89-238-46.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-31-88-88.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-88-88.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t3.medium	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations.
Auto-assigned IP address 54.89.238.46 [Public IP]	VPC ID vpc-07e0f3e58d8ba1a40	Learn more

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

Get Windows password Info

Retrieve and decrypt the initial Windows administrator password for this instance.

To decrypt the password, you will need your key pair for this instance.

Key pair associated with this instance
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Browse to your key pair:

[Browse](#)

cloudimg.pem
1.678KB

Or copy and paste the contents of the key pair below:

```
-----BEGIN RSA PRIVATE KEY-----
MIIEpAIBAAKCAQEAttjeMJR0zxxzVjrzAv8CMadpuT2sCgqB5zpqK5GMBslPAE
ZuTw1SmbnuxHSIS3Hy9GGM6X5w2gT1xg0M+dmTsP9nWaUH68qthmc069FWkzbb
K0en3PA+Tx+dl6KUYEtNawidDWkdvlOSOQx74CWjZgwFpSPVqBBry1utTJSBAbr
5S3JjywgppXiP7rdpfc5UMQ9kho/RadPyy6Kf+gJPLRO/tiWMSwJilPeollrWdK
LXV9piEk692vTM5FrYovn7QQM8DXRQML44Oipe5C6nDwisB9X+WKZUKEITF5Eo+
/jdD7wpa9aGsjV3TS3o4qX/QM3ycT4h8ldb6zQIDAQABAolBAG0iclnKjlv4WHC
d55dNDJ/WKblplCD5tRF4KKMYLXR8M2Jrz57i3ol/OKIK27xtfJtGg/NoctJZNwB
-----
```

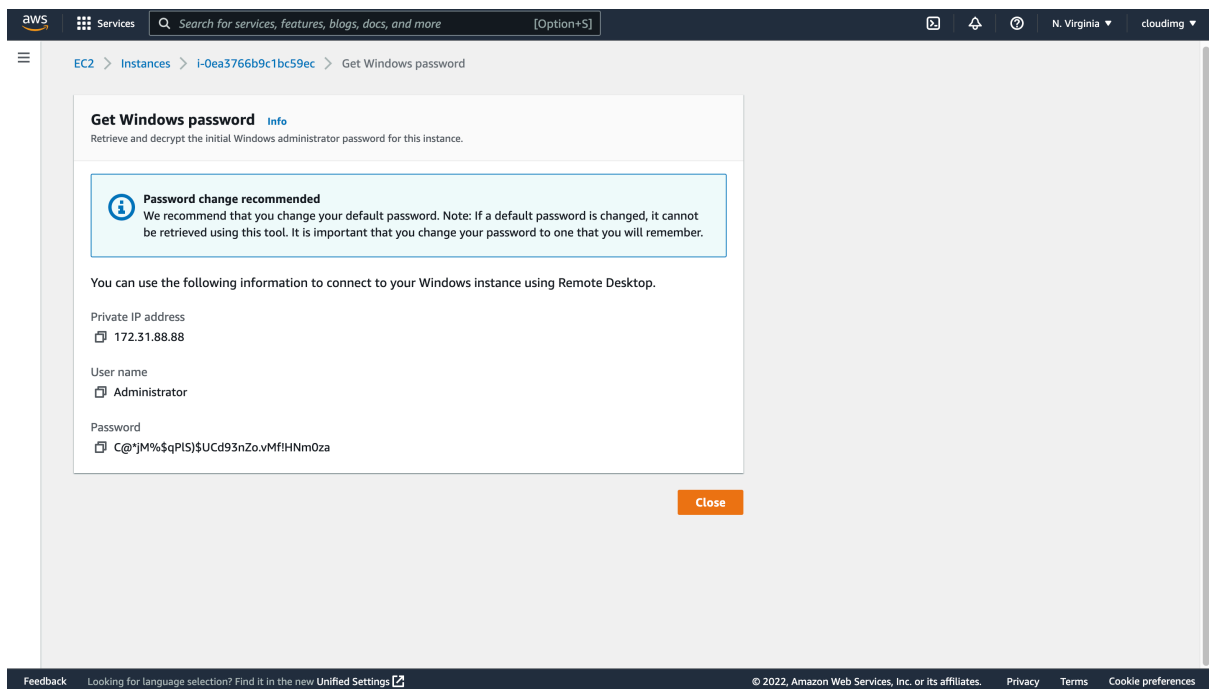
Cancel Decrypt password

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

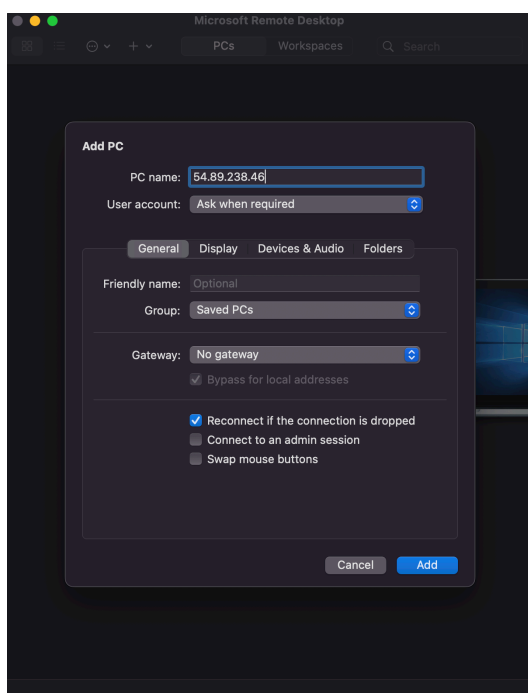


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The Administrator password will now appear in plain text like the above example. Take a copy of this value and open a Remote Desktop Client Application.



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.

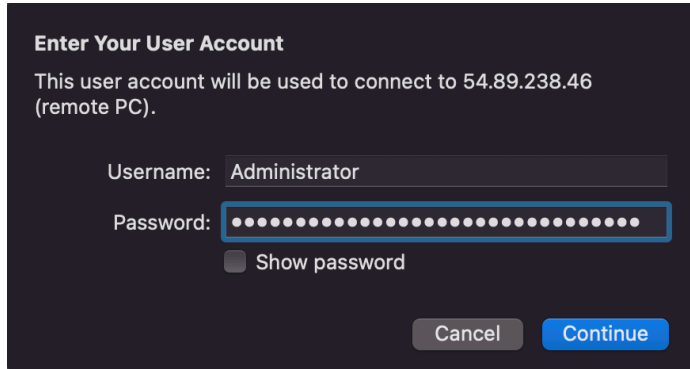


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Click Add

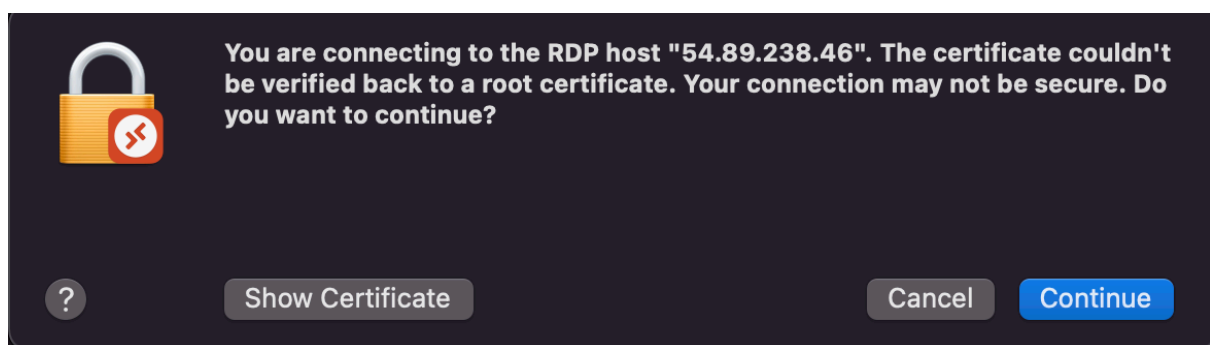
Once added, double click the connection profile created in the above step, you will be prompted for a username & password. Enter the below values.



Username: Administrator

Password: DECRYPTED VALUE RETRIEVED FROM THE ABOVE STEPS

Click Continue

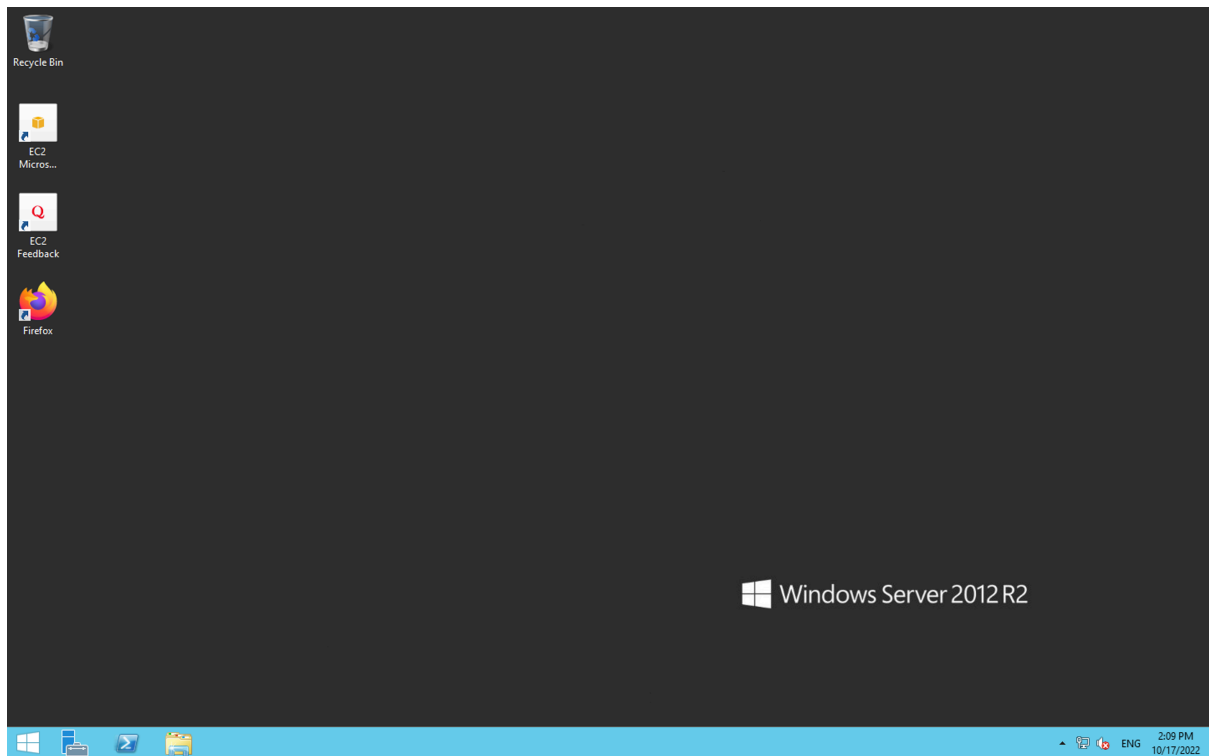


Click Continue if a pop up like the above appears.



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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
```

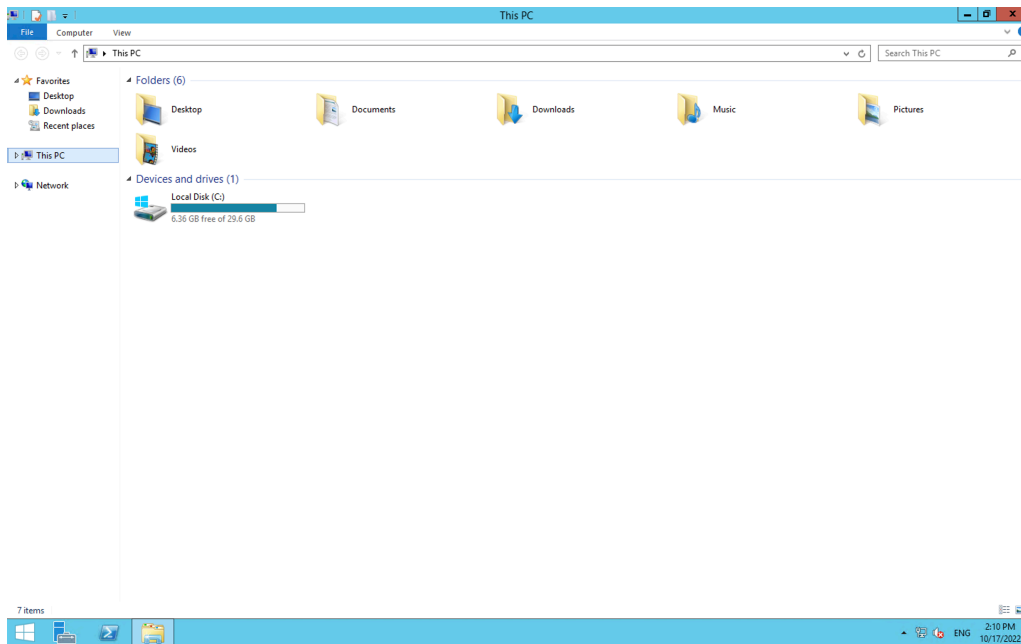
6.) Filesystem Configuration

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



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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

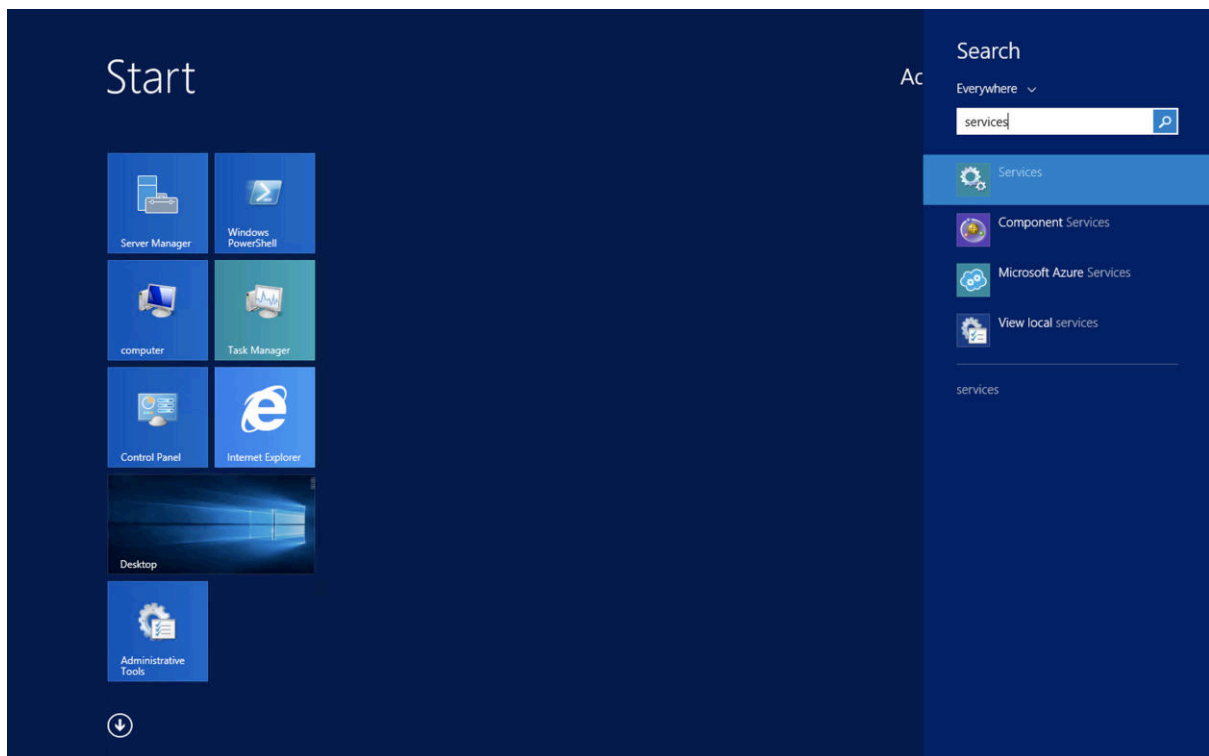
The MariaDB Database service has been configured to start on boot via a Windows Service. You can stop, start or check the status of the mariadb service by following the below steps.

From the Windows Start Menu > Search for Services

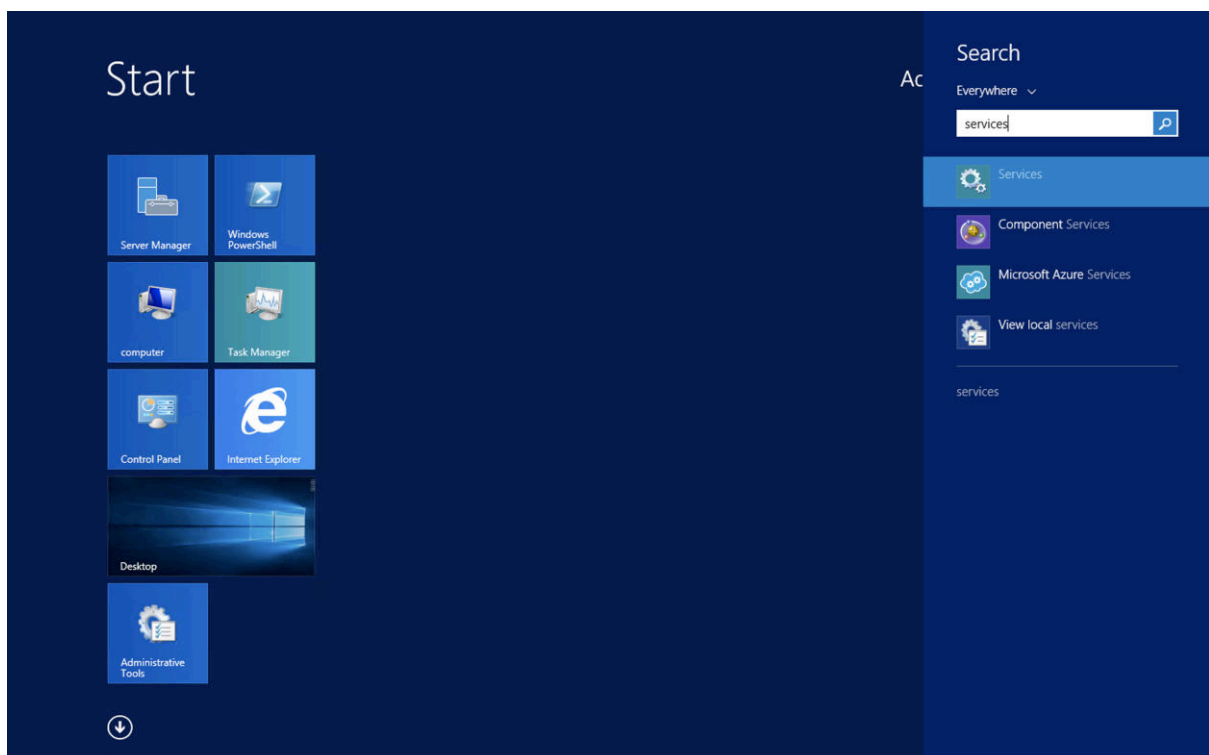


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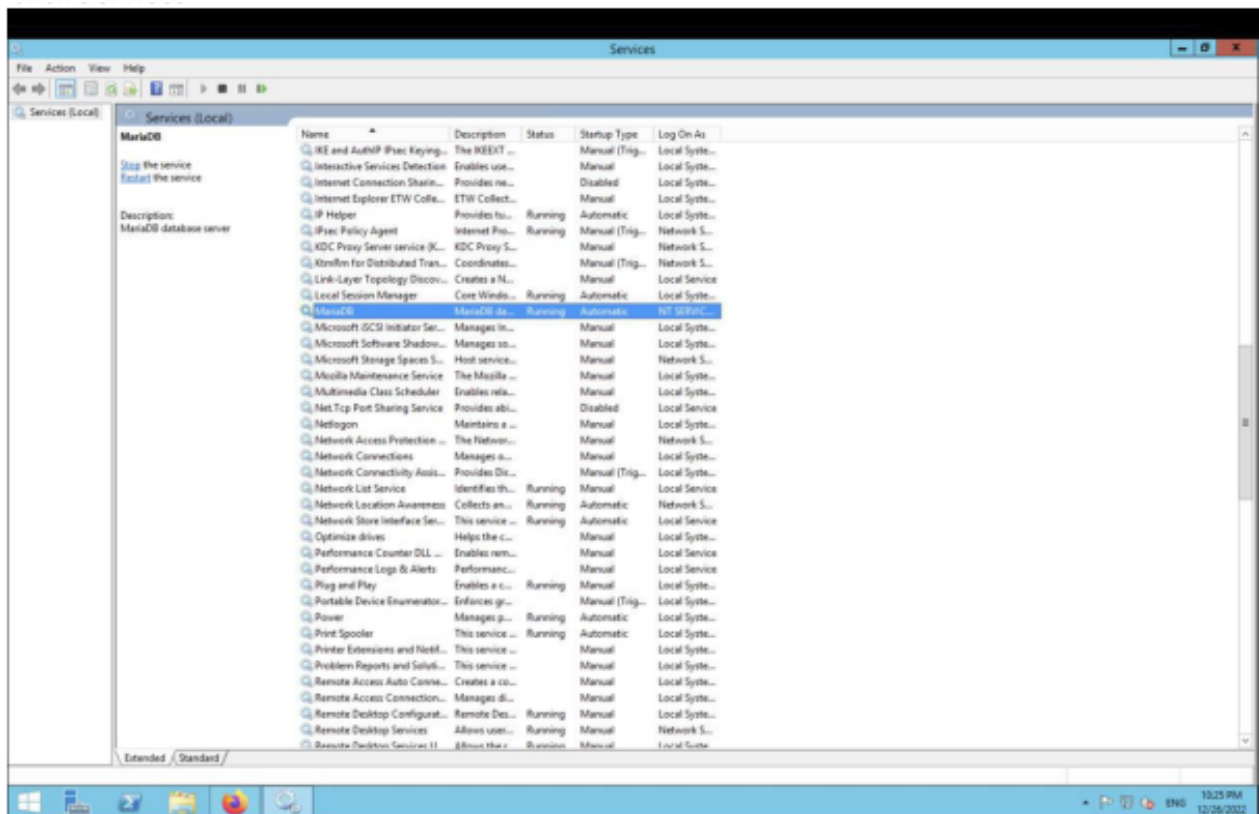


Click Services



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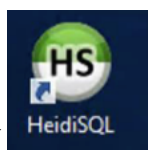


Search for the Service – MariaDB > Double Click

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.

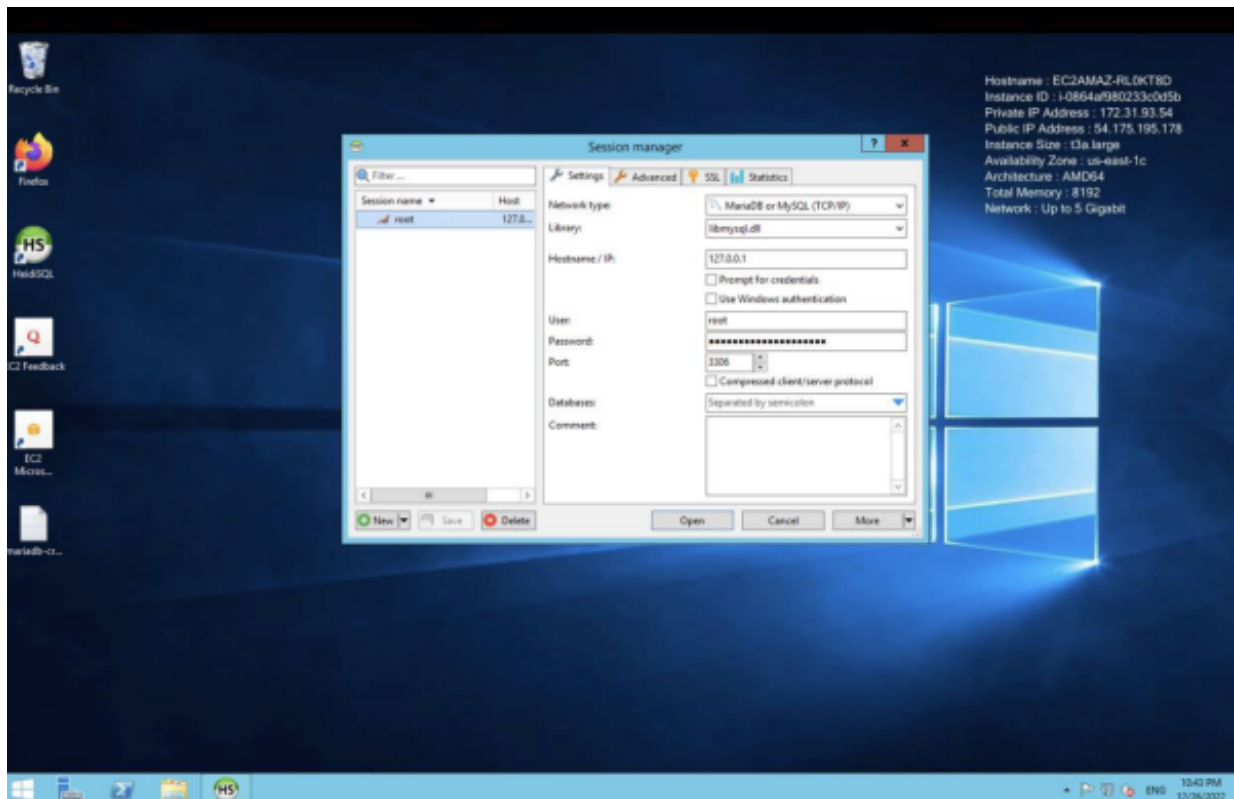


Upon double clicking the above .exe, HeidiSQL will load and look similar to the below.



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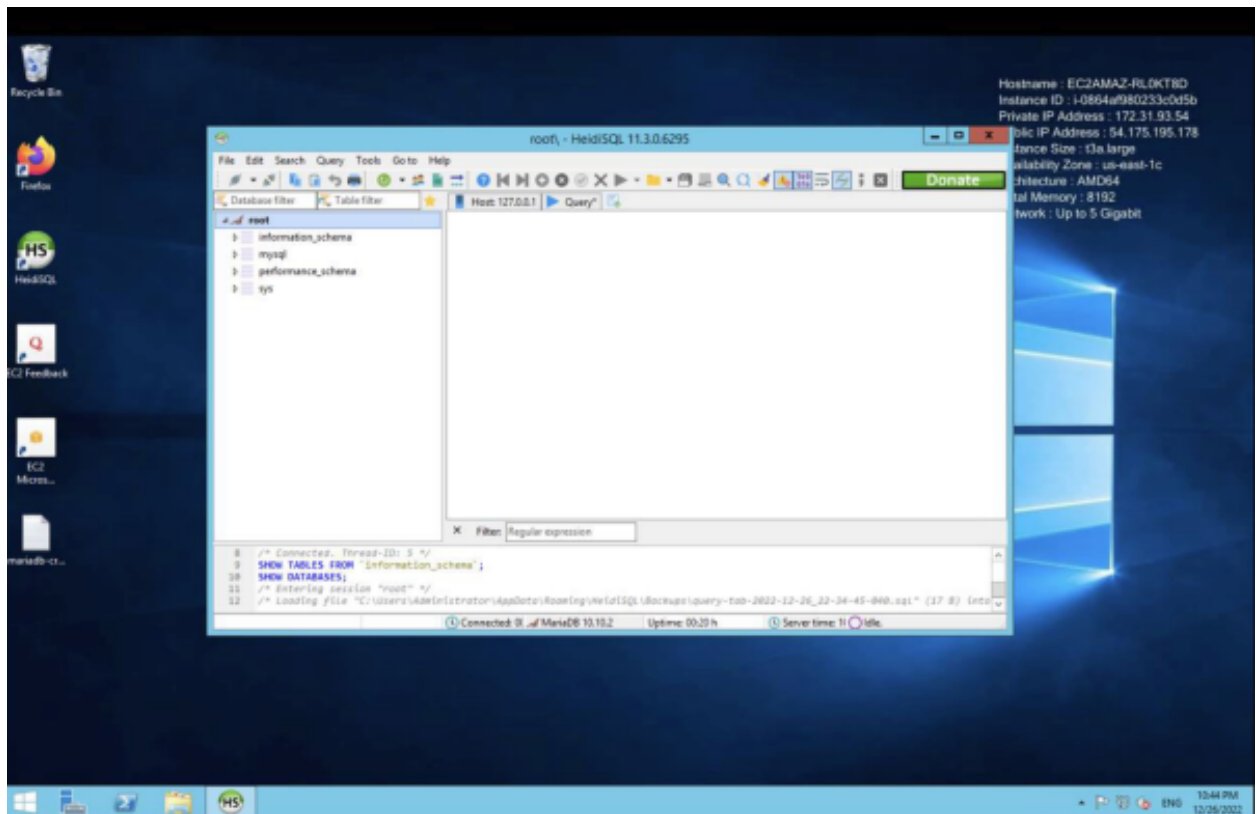
A configuration has been pre-populated for a local connection to the MariaDB Database running on the instance as the root user. Please refer to the mariadb-credentials file found on the Desktop of the Administrator user for the randomly generated credential of the root database user.

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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