



# Linux Server Installation & Setup Guide

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**MAXIMIZERCRM ON-PREMISE**



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## Overview

If you plan to select *I'll manually install Linux services on a dedicated Linux server (Recommended)* at the time of installing Maximizer CRM, you must have an Ubuntu Linux server ready.

The Ubuntu server must meet the following conditions:

- The server version is 20.04 or later
- The server is installed on an independent server
- It is accessible to the Maximizer IIS web server
- A `root` user account is used to log in to the Ubuntu server

### **i** Note:

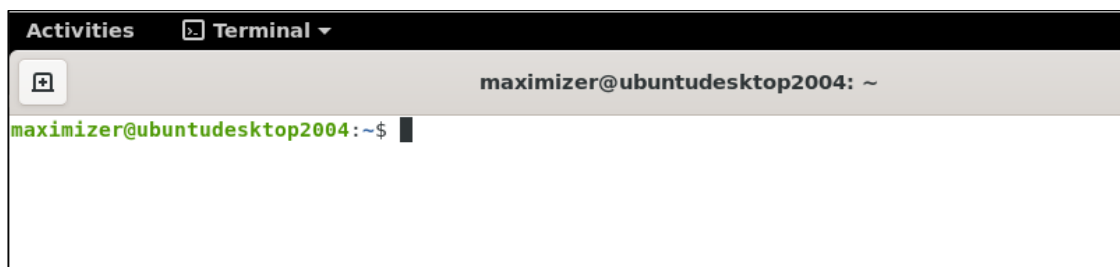
The server on which you plan to install the Ubuntu Linux server must meet the following system requirements:

- Processor: Dual core or higher
- RAM: 4 GB or higher

Once your Ubuntu Linux server is ready, complete the following four-step procedure to **complete the setup of the server**.

### Step I: Set up Docker

- 1 On your Ubuntu Linux server, open a Terminal window. The following article describes the supported methods for opening the Terminal window: <https://vitux.com/5-ways-to-open-the-ubuntu-terminal-application/>



- 2 Update the software repositories by running the following command:

```
sudo apt-get update
```

```
maximizer@ubuntudesktop2004: ~  
maximizer@ubuntudesktop2004:~$ sudo apt-get update  
Hit:1 http://ca.archive.ubuntu.com/ubuntu focal InRelease  
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]  
Get:3 http://ca.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]  
Get:4 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [24.5 kB]  
Get:5 http://ca.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]  
Get:6 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [58.0 kB]  
Get:7 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,468 B]  
Get:8 http://ca.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,077 kB]  
Get:9 http://ca.archive.ubuntu.com/ubuntu focal-updates/main i386 Packages [499 kB]  
Get:10 http://ca.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [282 kB]  
Get:11 http://ca.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [13.6 kB]  
Get:12 http://ca.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [825 kB]  
Get:13 http://ca.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [329 kB]  
Get:14 http://ca.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [2,468 B]  
Get:15 http://ca.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [1,780 B]  
Fetched 3,443 kB in 1s (2,390 kB/s)  
Reading package lists... Done  
maximizer@ubuntudesktop2004:~$
```

- 3 (Optional) If an older version of Docker is installed, uninstall it by running the following command:

```
sudo apt-get remove docker docker-engine docker.io
```

```
maximizer@ubuntudesktop2004: ~  
maximizer@ubuntudesktop2004:~$ sudo apt-get remove docker docker-engine docker.io  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
E: Unable to locate package docker-engine  
maximizer@ubuntudesktop2004:~$
```

- 4 Install Docker on the Ubuntu 20.04 server by running the command below.

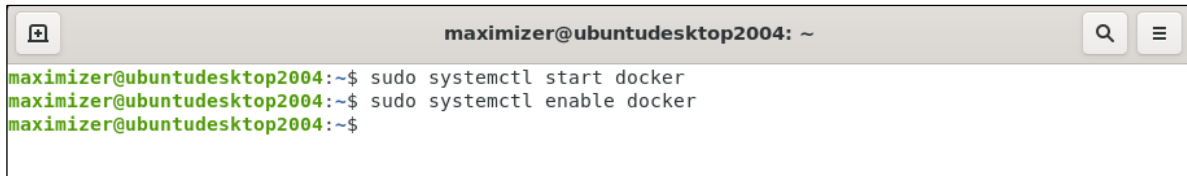
```
sudo apt install docker.io
```

```
maximizer@ubuntudesktop2004: ~  
maximizer@ubuntudesktop2004:~$ sudo apt install docker.io  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following package was automatically installed and is no longer required:  
  distro-info  
Use 'sudo apt autoremove' to remove it.  
The following additional packages will be installed:  
  bridge-utils containerd git git-man liberror-perl pigz runc ubuntu-fan  
Suggested packages:  
  ifupdown aufs-tools btrfs-progs cgroupfs-mount | cgroup-lite debootstrap docker-doc rinse zfs-fuse  
  | zfsutils git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk gitweb git-cv  
  git-mediawiki git-svn  
The following NEW packages will be installed:  
  bridge-utils containerd docker.io git git-man liberror-perl pigz runc ubuntu-fan  
0 upgraded, 9 newly installed, 0 to remove and 18 not upgraded.  
Need to get 77.7 MB of archives.  
After this operation, 390 MB of additional disk space will be used.  
Do you want to continue? [Y/n] Y  
Get:1 http://ca.archive.ubuntu.com/ubuntu focal/universe amd64 pigz amd64 2.4-1 [57.4 kB]  
Get:2 http://ca.archive.ubuntu.com/ubuntu focal/main amd64 bridge-utils amd64 1.6-2ubuntu1 [30.5 kB]
```

**Note:** Enter Y when prompted to continue.

- 5 Type the following commands in the Terminal window to start and automate Docker to run at startup. Press the ENTER key after each command.

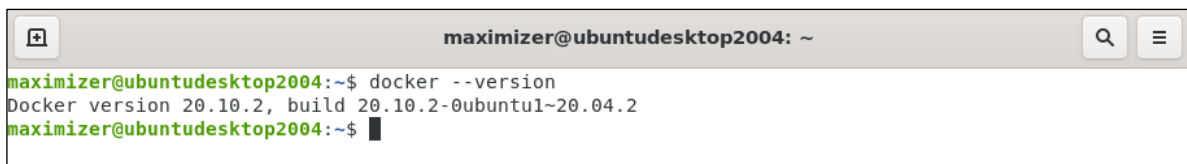
```
sudo systemctl start docker
sudo systemctl enable docker
```



```
maximizer@ubuntudesktop2004: ~
maximizer@ubuntudesktop2004:~$ sudo systemctl start docker
maximizer@ubuntudesktop2004:~$ sudo systemctl enable docker
maximizer@ubuntudesktop2004:~$
```

- 6 (Optional) Check the version of your Docker install by running the following command:

```
docker --version
```

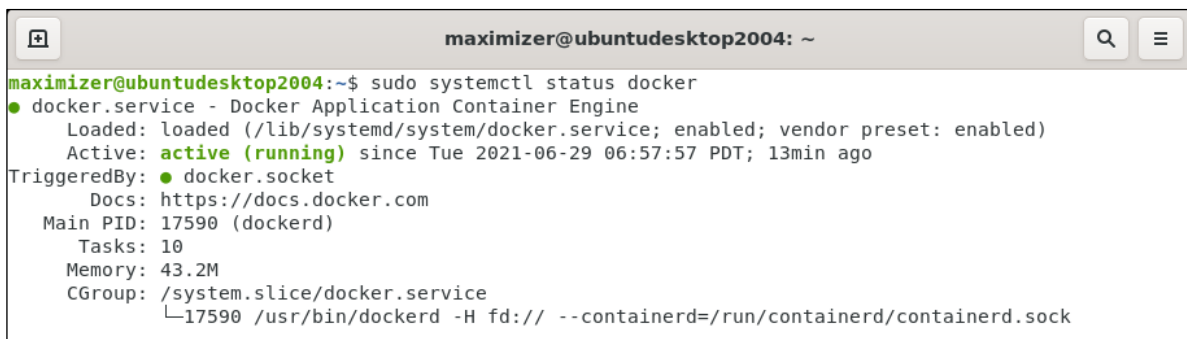


```
maximizer@ubuntudesktop2004: ~
maximizer@ubuntudesktop2004:~$ docker --version
Docker version 20.10.2, build 20.10.2-0ubuntu1~20.04.2
maximizer@ubuntudesktop2004:~$
```

## Step II: Set up and Run Redis

- 1 Check the status of the Docker service by entering the following command in the Terminal window.

```
sudo systemctl status docker
```

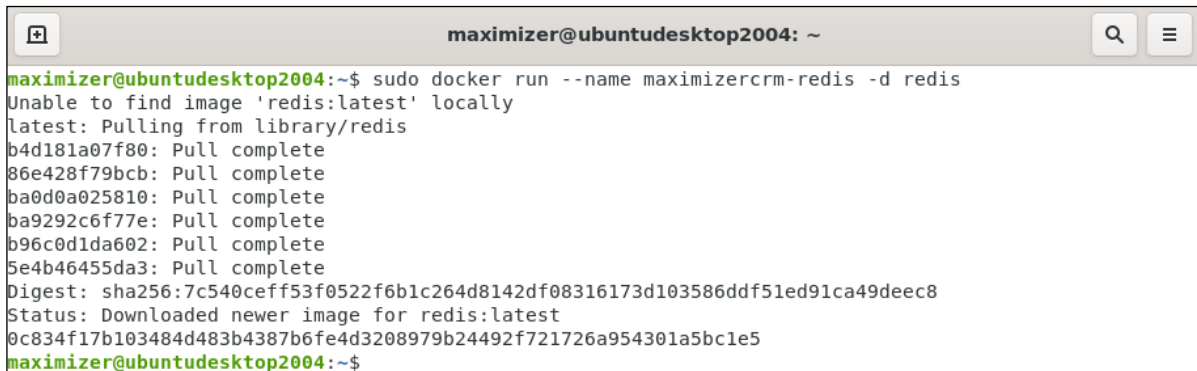


```
maximizer@ubuntudesktop2004: ~
maximizer@ubuntudesktop2004:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2021-06-29 06:57:57 PDT; 13min ago
   TriggeredBy: ● docker.socket
     Docs: https://docs.docker.com
    Main PID: 17590 (dockerd)
      Tasks: 10
     Memory: 43.2M
    CGroup: /system.slice/docker.service
           └─17590 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock
```

**Note:** To return to the Terminal prompt, press CTRL + C.

- 2 Download and start a Redis container by running the following command:

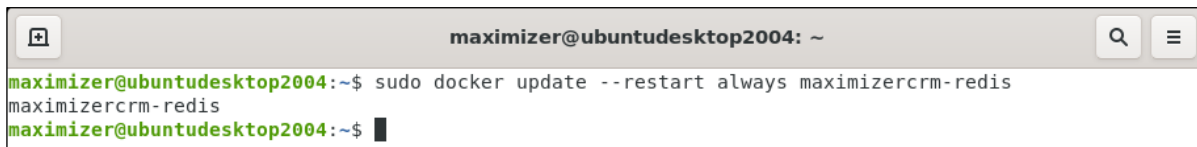
```
sudo docker run --name maximizercrm-redis -p 6379:6379 -d redis
```



```
maximizer@ubuntudesktop2004: ~  
maximizer@ubuntudesktop2004:~$ sudo docker run --name maximizercrm-redis -d redis  
Unable to find image 'redis:latest' locally  
latest: Pulling from library/redis  
b4d181a07f80: Pull complete  
86e428f79bcb: Pull complete  
ba0d0a025810: Pull complete  
ba9292c6f77e: Pull complete  
b96c0d1da602: Pull complete  
5e4b46455da3: Pull complete  
Digest: sha256:7c540ceff53f0522f6b1c264d8142df08316173d103586ddf51ed91ca49deec8  
Status: Downloaded newer image for redis:latest  
0c834f17b103484d483b4387b6fe4d3208979b24492f721726a954301a5bc1e5  
maximizer@ubuntudesktop2004:~$
```

- 3 Configure the Redis container to automatically start when Docker starts after a server reboot by running the following command:

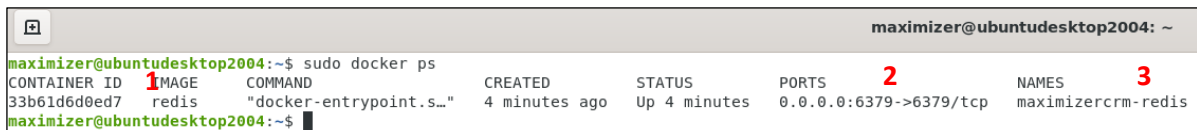
```
sudo docker update --restart always maximizercrm-redis
```



```
maximizer@ubuntudesktop2004:~$ sudo docker update --restart always maximizercrm-redis  
maximizercrm-redis  
maximizer@ubuntudesktop2004:~$
```

- 4 Once the Redis installation/config process is complete, check the status of the docker containers by running the following command

```
sudo docker ps
```



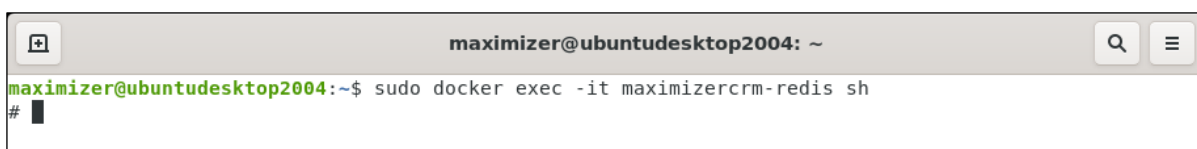
```
maximizer@ubuntudesktop2004:~$ sudo docker ps  
CONTAINER ID 1 IMAGE COMMAND CREATED STATUS PORTS 2 NAMES 3  
33b61d6d0ed7 redis "docker-entrypoint.s..." 4 minutes ago Up 4 minutes 0.0.0.0:6379->6379/tcp maximizercrm-redis  
maximizer@ubuntudesktop2004:~$
```

- 1 - Unique container ID
- 2 – Redis access port
- 3 – Redis container name

## Step III: Test and Configure Your Redis Setup

- 1 Run the following command from the Terminal window to open an interactive Redis shell inside Docker:

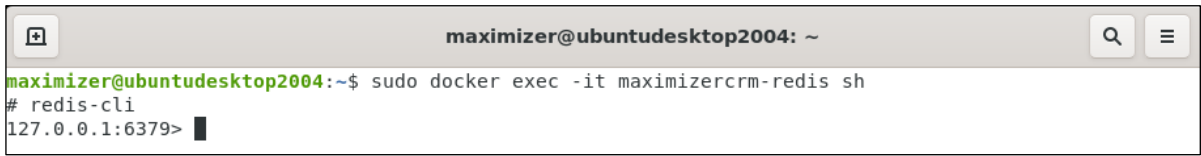
```
sudo docker exec -it maximizercrm-redis sh
```



```
maximizer@ubuntudesktop2004:~$ sudo docker exec -it maximizercrm-redis sh  
#
```

- 2 Open the Redis client tool by running the following command:

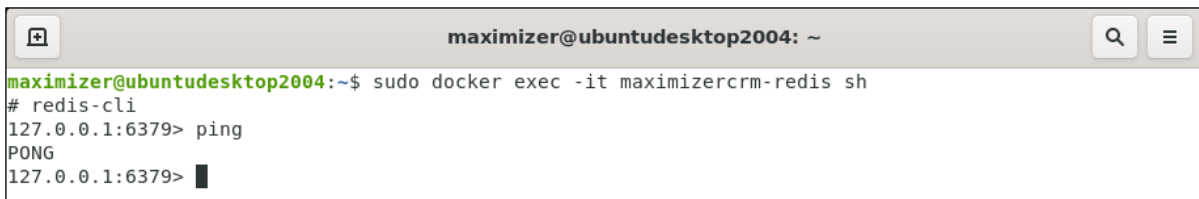
```
redis-cli
```



```
maximizer@ubuntudesktop2004: ~  
maximizer@ubuntudesktop2004:~$ sudo docker exec -it maximizercrm-redis sh  
# redis-cli  
127.0.0.1:6379> █
```

- 3 Test to check if your connection to the Redis database is active. If the response to the following command is 'PONG', it means that the connection is successful.

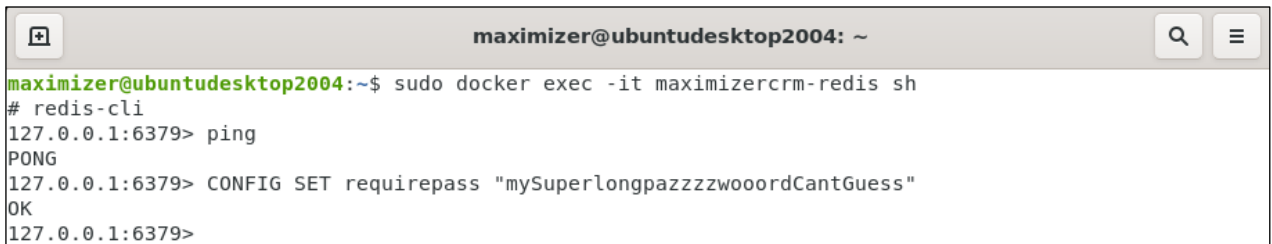
```
ping
```



```
maximizer@ubuntudesktop2004: ~  
maximizer@ubuntudesktop2004:~$ sudo docker exec -it maximizercrm-redis sh  
# redis-cli  
127.0.0.1:6379> ping  
PONG  
127.0.0.1:6379> █
```

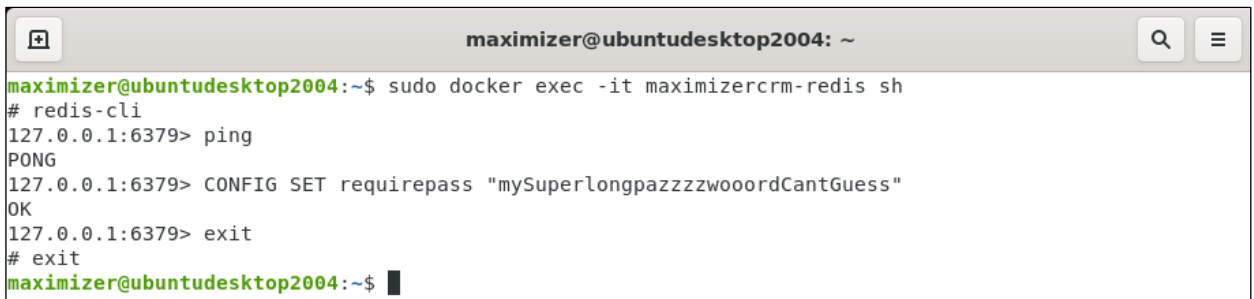
- 4 (Optional) Set a password for your Redis server, if needed. The password you provide will be required at the time of Maximizer CRM installation.

```
CONFIG SET requirepass "your-password-here_(recommended length 32  
chars)"
```



```
maximizer@ubuntudesktop2004: ~  
maximizer@ubuntudesktop2004:~$ sudo docker exec -it maximizercrm-redis sh  
# redis-cli  
127.0.0.1:6379> ping  
PONG  
127.0.0.1:6379> CONFIG SET requirepass "mySuperlongpazzzzwooordCantGuess"  
OK  
127.0.0.1:6379> █
```

- 5 Type exit twice to close the interactive Redis shell and the Docker connection respectively.



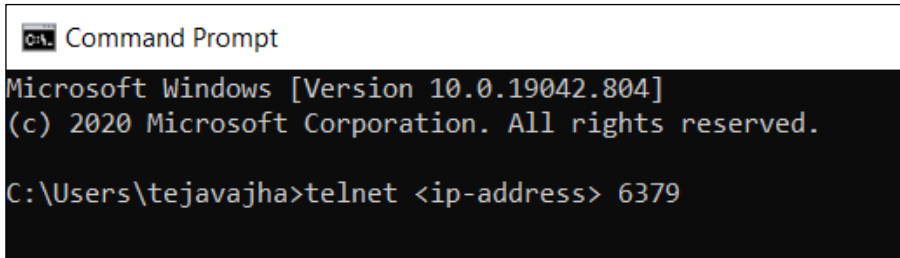
```
maximizer@ubuntudesktop2004: ~  
maximizer@ubuntudesktop2004:~$ sudo docker exec -it maximizercrm-redis sh  
# redis-cli  
127.0.0.1:6379> ping  
PONG  
127.0.0.1:6379> CONFIG SET requirepass "mySuperlongpazzzzwooordCantGuess"  
OK  
127.0.0.1:6379> exit  
# exit  
maximizer@ubuntudesktop2004:~$ █
```

## Step IV: Test your connection to the Ubuntu Linux server

- 1 Ensure that you have Telnet Client enabled on your Maximizer Windows machine.
- 2 Open Command Prompt on your Maximizer server and enter the following command.

Replace `<ip-address>` with the IP Address of your Linux Server.

```
telnet <ip-address> 6379
```



```
Command Prompt
Microsoft Windows [Version 10.0.19042.804]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\tejavajha>telnet <ip-address> 6379
```

- 3 If you see a blank screen, this indicated that your Maximizer server can establish a connection to the Redis port on the Ubuntu Linux server.
- 4 To close the connection to the Redis port, press CTRL +].

**Note:** *If the commands described in Step II through Step V were executed successfully, this indicates that the Ubuntu Linux server is successfully set up. You can now proceed with installing Maximizer CRM.*





## Contacting Support

If you have problems with or questions about Maximizer CRM or Maximizer CRM Live, contact the Maximizer Support team. To do that, you can use one of the following channels:

### Phone

- **North America:** 1-866-275-1254 (Monday through Friday, 5:00 AM to 7:30 PM, PST; Sunday 11:00 AM to 7:30 PM, PST)
- **Europe, Middle East, Africa:** +44 13 4476 6904 (Monday through Friday, 9.00 AM to 5.30 PM, GMT)
- **Australia & New Zealand:** + 61 2 9957 2011 (Monday through Friday, 5:00 AM to 7:30 PM, PST; Sunday 11:00 AM to 7:30 PM, PST)

### Email

Write to the support team at:

- **EMEA:** [techsupport@maximizer.co.uk](mailto:techsupport@maximizer.co.uk)
- **Rest of the world:** [support@maximizer.com](mailto:support@maximizer.com)

### Chat

The chat window can be accessed from within Maximizer CRM. Go to **Help Center > Support Chat**.