

Docker Community Edition

Version:	1.0.0
Created by:	cloudimg

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1.) Overview

This document is provided as a user guide for the Docker Community Edition 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
----------	------	------	-------------



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RDP	TCP	3389	Remote Desktop Access

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

The screenshot shows the AWS Management Console Home page. At the top, there's a search bar and navigation links. The main content area is divided into several sections:

- Recently visited:** A list of services including EC2, S3, AWS Cost Explorer, AWS Marketplace Subscriptions, Systems Manager, Elastic Kubernetes Service, AWS Budgets, VPC, CloudShell, AWS Application Migration Service, Service Catalog, CloudTrail, IAM, and EC2 Image Builder.
- Welcome to AWS:** A section with links for 'Getting started with AWS', 'Training and certification', and 'What's new with AWS?'. Each link has a brief description of the resource.
- AWS Health:** A section showing 'Open issues' (0) and 'Scheduled changes' (0).
- Cost and usage:** A section showing 'Current month costs' (\$55.04), 'Forecasted month end costs' (\$103.38), and 'Top costs for current month' (EC2 - Other: \$40.90, Tax: \$9.17, Amazon Simple Storage Service: \$3.20).

The footer of the console includes a feedback link, a language selection notice, and copyright information for Amazon Web Services, Inc. or its affiliates.



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Select EC2

The screenshot shows the AWS Management Console for the US East (N. Virginia) Region. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, Snapshots, and Lifecycle Messages. The main content area is titled 'Resources' and shows a summary of EC2 resources. Below this, there is a 'Launch instance' button and a 'Service health' section. The 'Zones' section shows the available zones in the 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

Select Instances (running)

The screenshot shows the 'Instances (1/1) Info' page in the AWS Management Console. The instance 'cloudimg-windows-server' (i-0ea3766b9c1bc59ec) is selected. The instance is in the 'Running' state. The page includes tabs for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. The 'Details' tab is selected, showing instance summary information.

Field	Value
Instance ID	i-0ea3766b9c1bc59ec (cloudimg-windows-server)
Public IPv4 address	54.89.238.46 open address
Private IPv4 addresses	172.31.88.88
Instance state	Running
Private IP DNS name (IPv4 only)	ip-172-31-88-88.ec2.internal
Instance type	t3.medium
VPC ID	vpc-07e0f3e58d8ba1a40

Search for the newly launched EC2 Instance

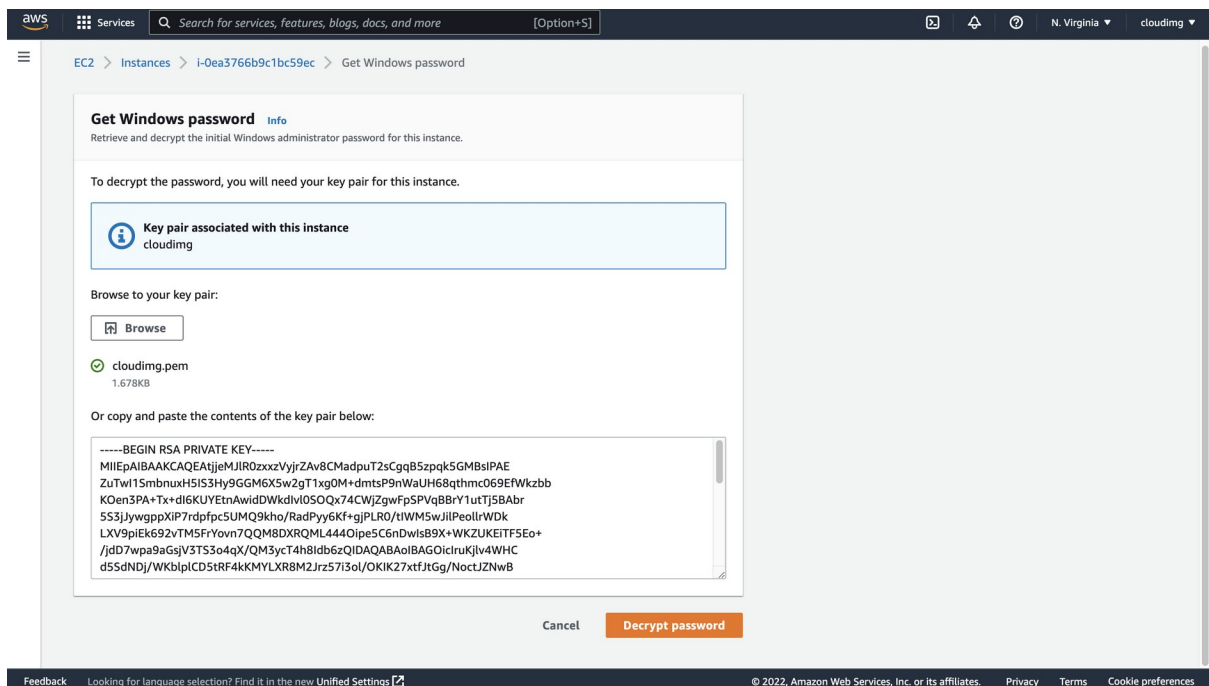
Select the Radio button above for the instance

Click Actions > Security > Get Windows password

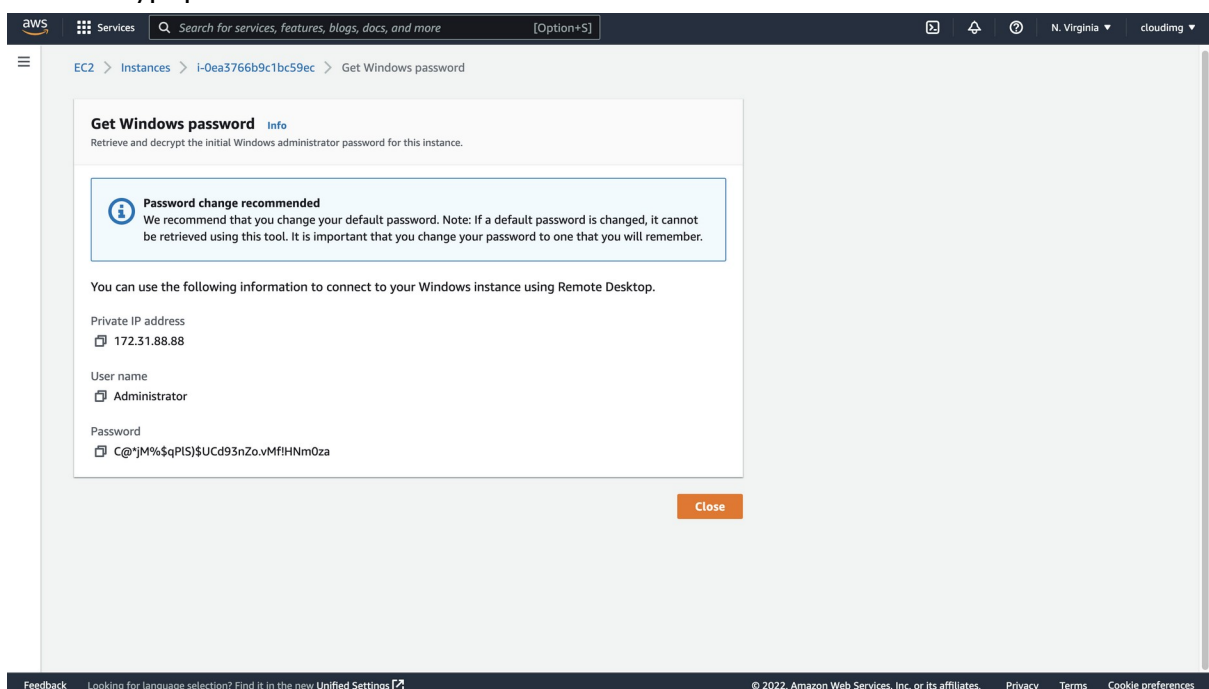


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Click Browse and upload the key pair selected during the launch of the EC2 instance from the AWS Marketplace.
Click Decrypt password

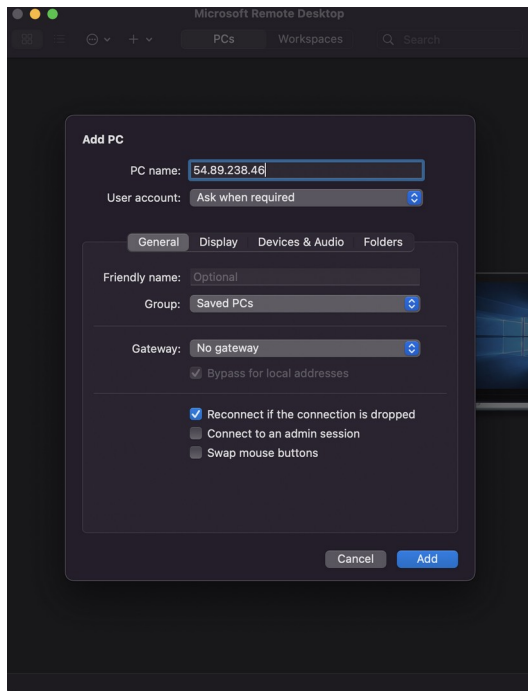


The Administrator password will now appear in plain text like the above example. Take a copy of this value and open a Remote Desktop Client Application.



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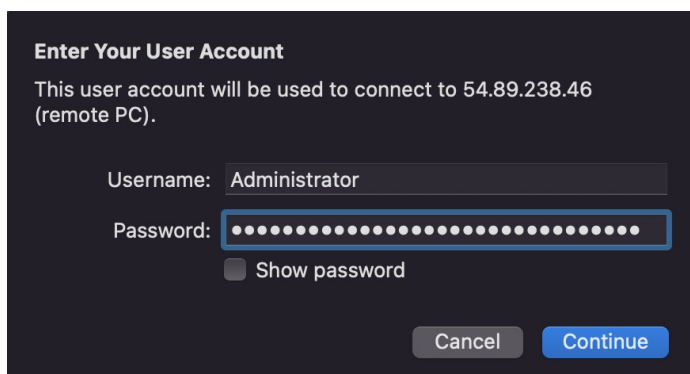
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Create a new connection and enter the IP address of the newly launched EC2 Instance. For this example, the public IP address will be used as the server has been launched in a public subnet. Use the private IP address where applicable for your environment 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

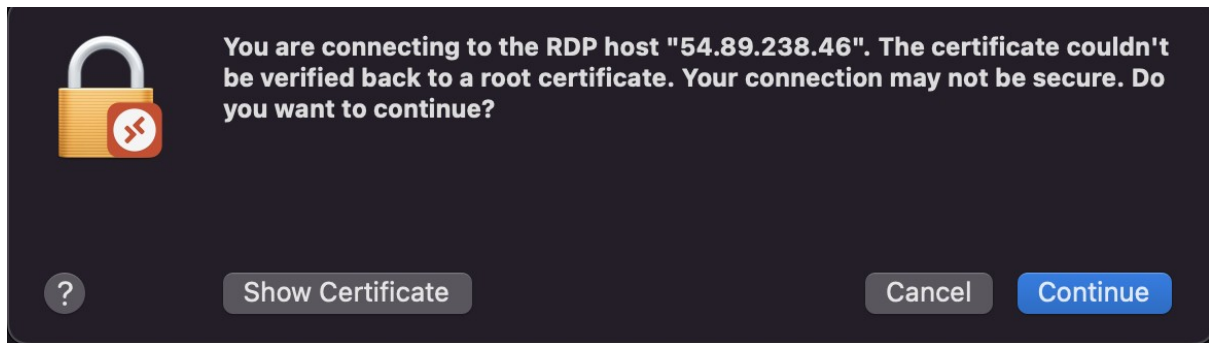
Password: DECRYPTED VALUE RETRIEVED FROM THE ABOVE STEPS

Click Continue

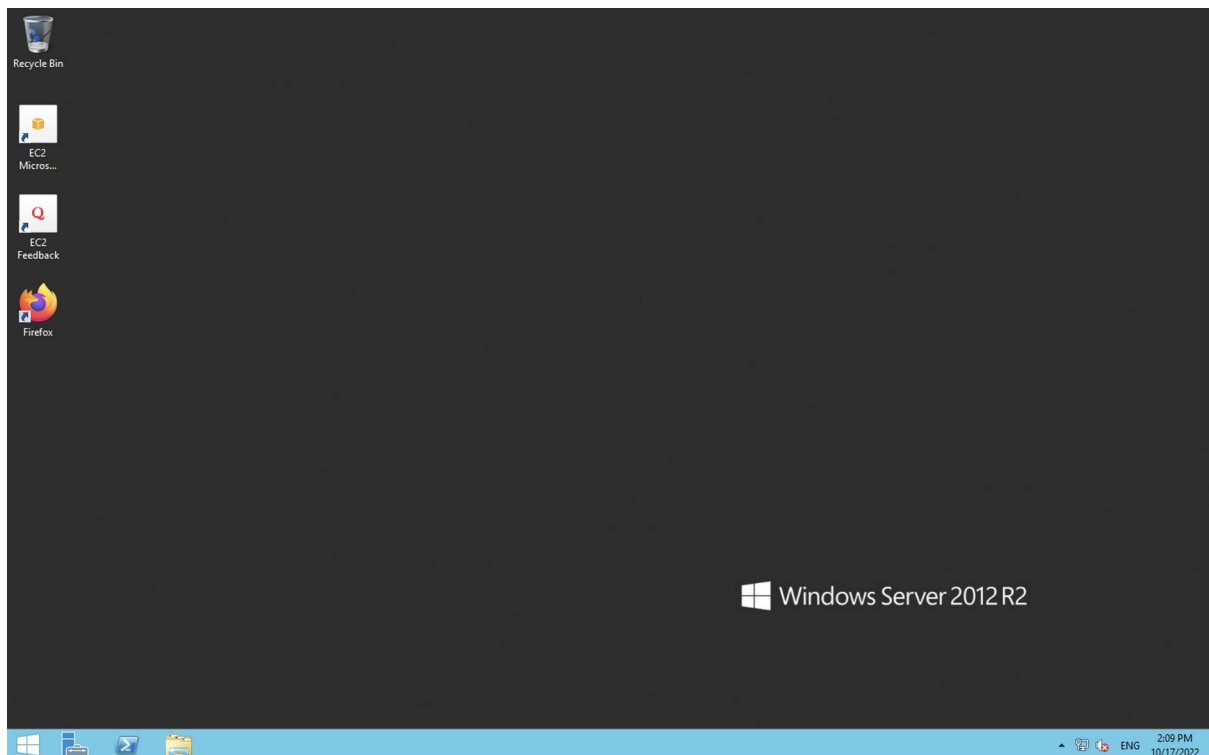


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Click Continue if a pop up like the above appears.



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

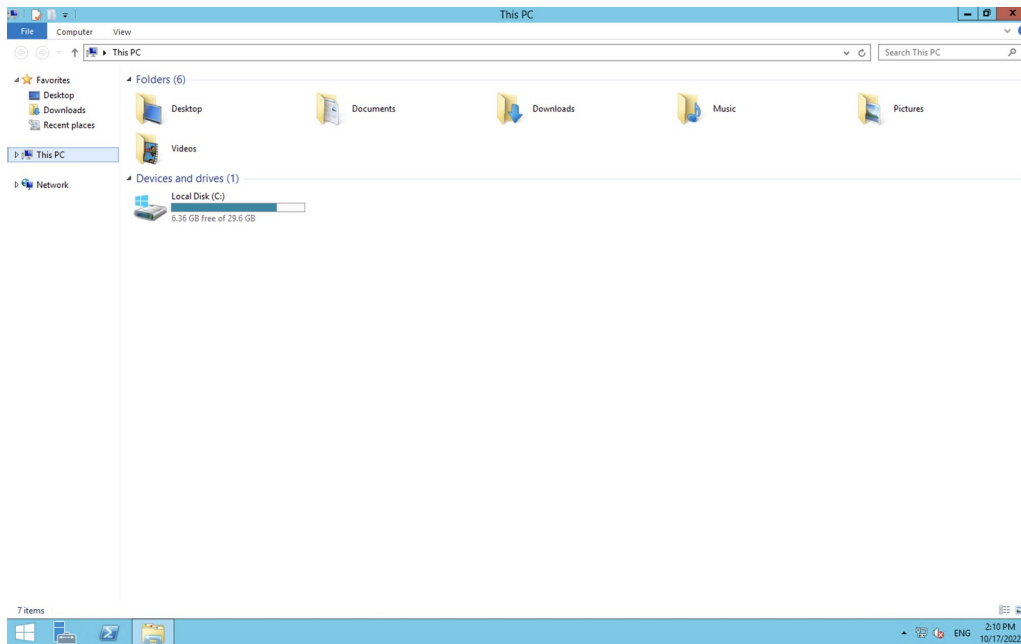
5.) Filesystem Configuration

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
Docker Community Edition	Latest

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.

Docker

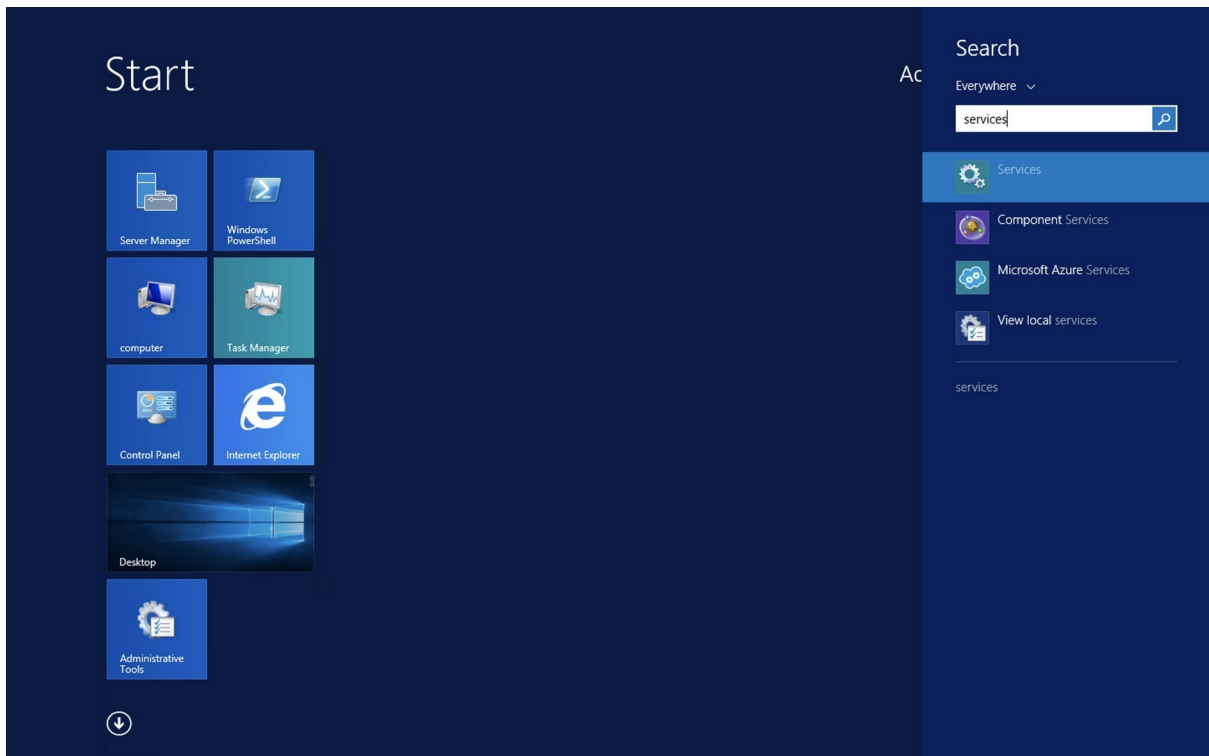
The Docker service has been configured to start on boot via a Windows Service. You can stop, start or check the status of the Docker service by following the below steps.

From the Windows Start Menu > Search for Services

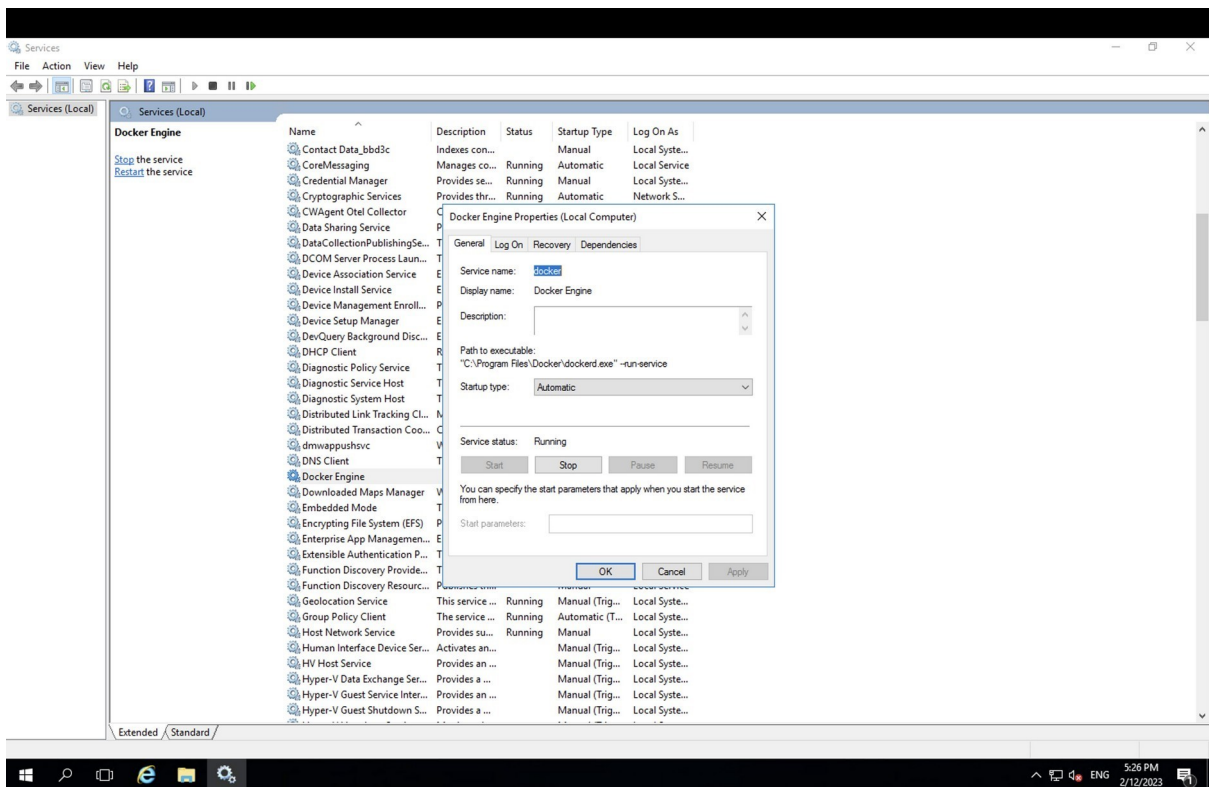


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Click Services



Search for the Service – Docker Engine> Double Click

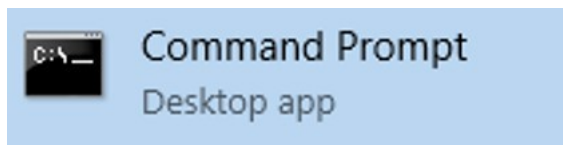
From the above menu you can reconfigure the service to not start on boot, stop, start and or restart the service manually.



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You can access the Docker service via the CMD programme.



Once loaded, you can run the below command to see all the available docker command options.

```
docker --help
```



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