

Collect Metrics and Logs from Amazon EC2 instances with the CloudWatch Agent

First Step -> create a role and give a **SSM**, **cloudWatchAgentAdminPolicy** & **CloudWatchAgentServerPolicy** permission then click next tag.

Create role 1 2 3

▼ Attach permissions policies

Choose one or more policies to attach to your new role.

Create policy

Filter policies Showing 18 results

	Policy name	Used as
<input checked="" type="checkbox"/>	AmazonEC2RoleforSSM	None
<input type="checkbox"/>	AmazonSSMAutomationApproverAccess	None
<input type="checkbox"/>	AmazonSSMAutomationRole	None
<input type="checkbox"/>	AmazonSSMDirectoryServiceAccess	None
<input type="checkbox"/>	AmazonSSMFullAccess	None
<input type="checkbox"/>	AmazonSSMMaintenanceWindowRole	None

Required Cancel Previous Next: Tags

Create role 1 2

▼ Attach permissions policies

Choose one or more policies to attach to your new role.

Create policy

Filter policies Showing 7 results

	Policy name	Used as
<input type="checkbox"/>	CloudWatch-CrossAccountAccess	None
<input type="checkbox"/>	CloudWatchActionsEC2Access	None
<input checked="" type="checkbox"/>	CloudWatchAgentAdminPolicy	None
<input checked="" type="checkbox"/>	CloudWatchAgentServerPolicy	None
<input type="checkbox"/>	CloudWatchApplicationInsightsFullAccess	None
<input type="checkbox"/>	CloudWatchApplicationInsightsReadOnlyAccess	None

Required Cancel Previous Next: Tags

Create role

12

Review

Provide the required information below and review this role before you create it.

Role name*

AmazonEC2Role

Use alphanumeric and '+=, @, -, _' characters. Maximum 64 characters.

Role description

Allows EC2 instances to call AWS services on your behalf.

Maximum 1000 characters. Use alphanumeric and '+=, @, -, _' characters.

Trusted entities

AWS service: ec2.amazonaws.com

Policies

AmazonEC2RoleforSSM

CloudWatchAgentAdminPolicy

CloudWatchAgentServerPolicy

ed

CancelPreviousCreate role

Second Step -> create a windows instance

aws

Services

Search for services, features, marketplace product [Alt+S]

satyam

Mumbai

Support

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 1: Choose an Amazon Machine Image (AMI)

Cancel and Exit

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Q windows

Search by Systems Manager parameter

AWS Launch Wizard for SQL Server offers an easy way to size, configure, and deploy Microsoft SQL Server Always On availability groups. Use AWS Launch Wizard for this launch

Quick Start (19)

1 to 19 of 19 AMIs

My AMIs (0)

AWS Marketplace (889)

Community AMIs (4423)

☐ Free tier only

Windows

Free tier eligible

Microsoft Windows Server 2019 Base - ami-034a4d85b5ef5e779

Microsoft Windows 2019 Datacenter edition. [English]

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

64-bit (x86)

Select

Windows

Microsoft Windows Server 2019 Base with Containers - ami-02411353e28c5e518

64-bit (x86)

Select

Select IAMrole WHEN CREATE AN INSTANCE:-

Step 3: Configure Instance Details

Subnet: vpc-5b24e130 (default) [Create new VPC](#)

Auto-assign Public IP: No preference (default subnet in any Availability Zone) [Create new subnet](#)

Placement group: ☐ Add instance to placement group

Capacity Reservation: Open

Domain join directory: No directory [Create new directory](#)

IAM role: AmazonEC2Role [Create new IAM role](#)

Shutdown behavior: Stop

Stop - Hibernate behavior: ☐ Enable hibernation as an additional stop behavior

Enable termination protection: ☐ Protect against accidental termination

Monitoring: ☐ Enable CloudWatch detailed monitoring
Additional charges apply.

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

→ Press security and then press get window password and select pem file means keypair file and then press decrypt password.

Instances (1/2) Info

Launch instances

Filter instances

Name	Instance ID	Instance state	Instance type	Status
WebServer1	i-09763d63318b1a5b0	Running	t2.micro	2/2
-	i-075218...	Running	t2.micro	2/2

Instance: i-09763d63318b1a5b0 (WebServer1)

Details | Security | Network

Instance summary Info

Instance details Info

Host and placement group Info

Security

Image and templates

Monitor and troubleshoot

Feedback English (US) Privacy Policy Terms of Use Cookie preferences

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aws

Services

Search for services, features, marketplace products, and d [Alt+S]

satyam

Mumbai

Support

EC2

Instances

i-09763d63318b1a5b0

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

MYKEY

Browse to your key pair:

Browse

MYKEY.pem

1.7KB

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

-----BEGIN RSA PRIVATE KEY-----
MIIeOwIBAAKCAQEAIx9gZxACVt7bk2mK5qG3qwJ6ld4a4wlhO8nZpQ6Pg+/wmnYI
czr48+uFapJRuGw0G//3IYTmcQTyYeVpngkvUAjMkwEvxnIGSV6M6fzKuMha2st
IERsr/zxaae860L7a06ni+D4TUDrZnV7k/8S9L9mmJrMK6WQIO4Uz5QPCLbvY9pg

➔ **Copy a password**

aws

Services

Search for services, features, marketplace products, and d [Alt+S]

satyam

Mumbai

Support

Get Windows password

Info

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

Password change recommended

We recommend that you change your default password. Note: If a default password is changed, it cannot be retrieved using this tool. It is important that you change your password to one that you will remember.

You can use the following information to connect to your Windows instance using Remote Desktop.

Private IP address

172.31.43.171

User name

Administrator

Password

✓ Password copied

J=.qKMjEGz

Close

Feedback

English (US)

Privacy Policy

Terms of Use

Cookie preferences

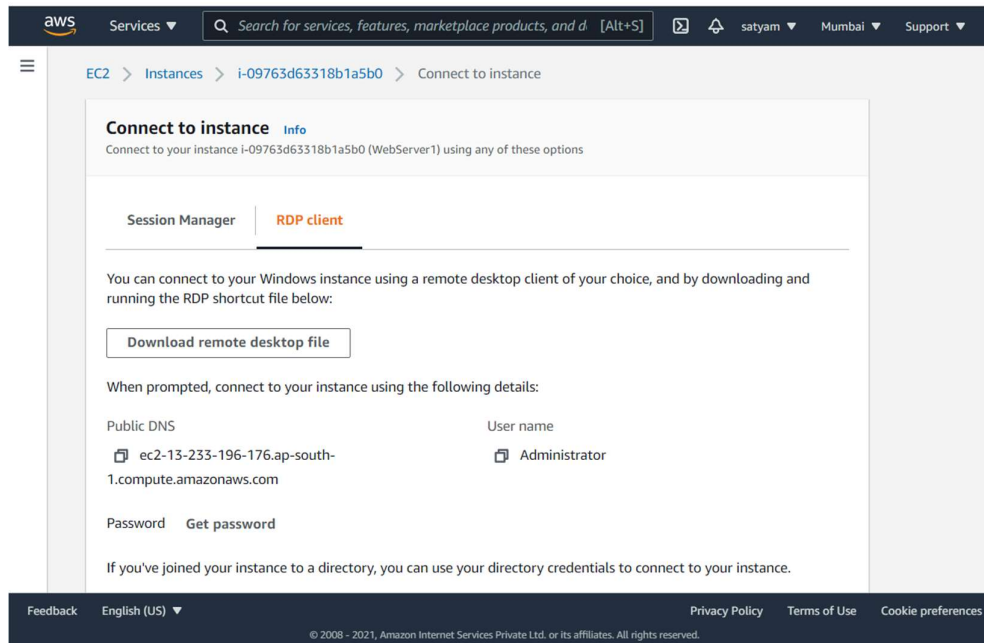
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download.png

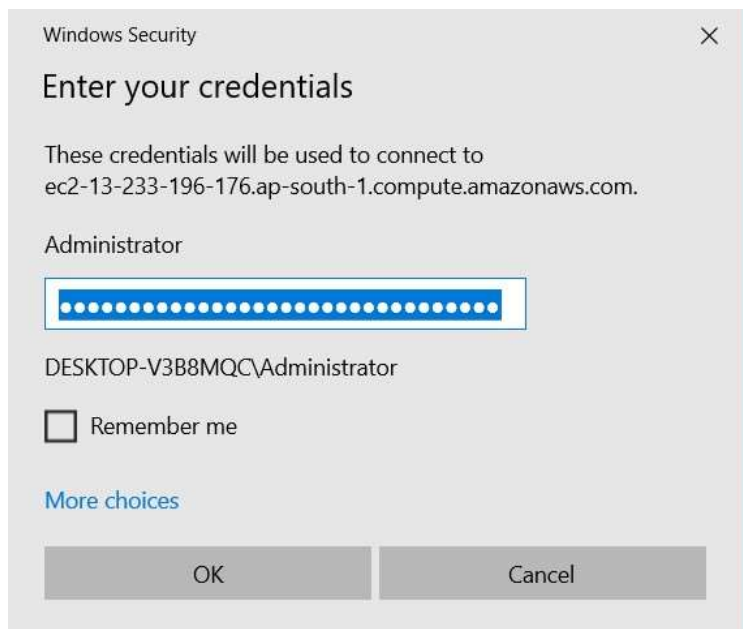
Show all

➔ Go and connect remote desktop file & then download remote desktop file .

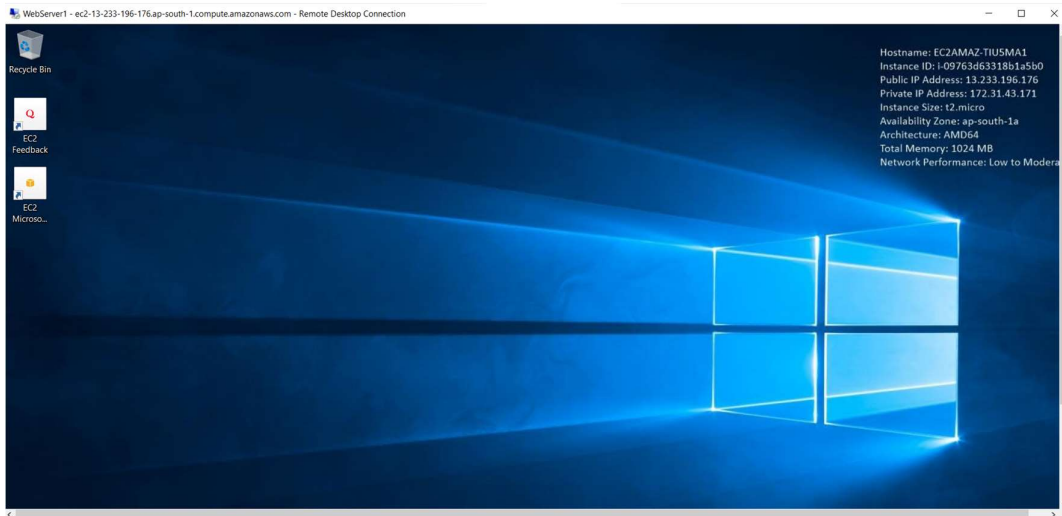
➔ Copy password also



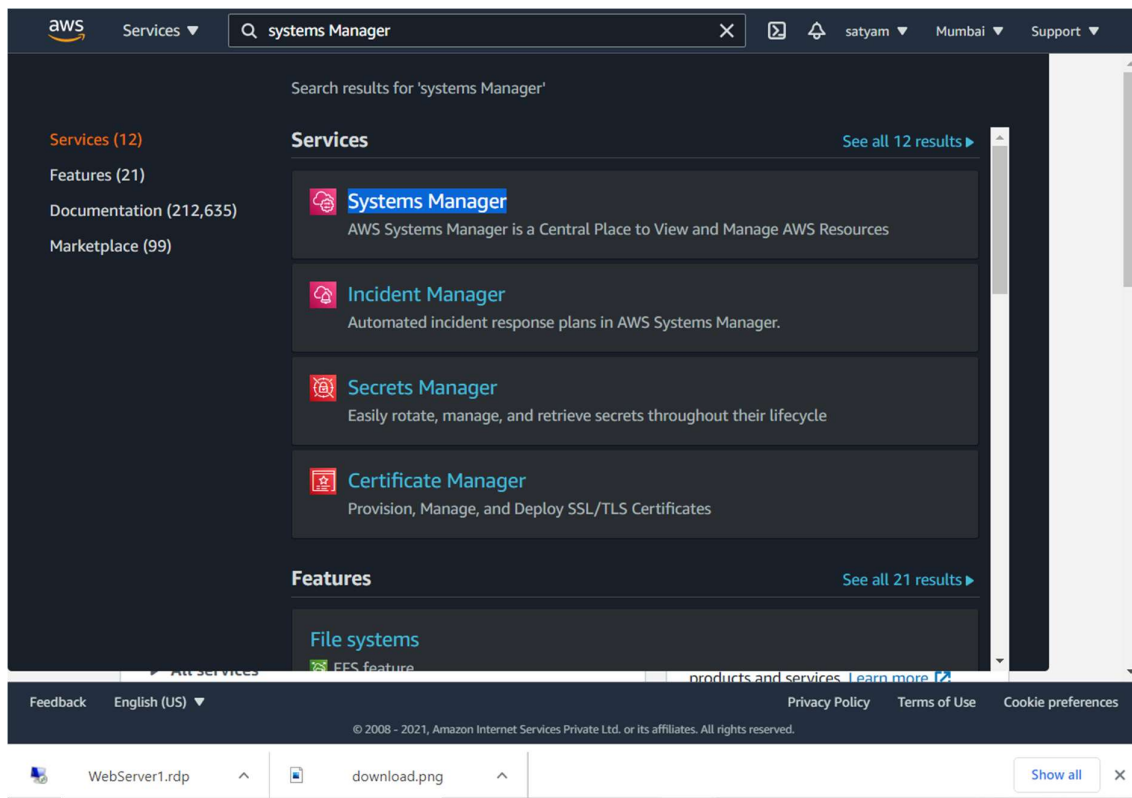
➔ Open downloaded remote desktop file & Paste the password



➔ **New window instance will create**



➔ **Go to aws service and search system Manager and open it.**



→ After open system manager searched managed instances and open it.



How would you rate your experience with this service console? ☆ ☆ ☆ ☆ ☆

aws Services ▾ X

Search results for 'managed instances'

Services (39)
Features (52)
Documentation (290,898)
Marketplace (50)

Features [See all 52 results ▶](#)

- Managed instances**
Systems Manager feature
- Instances**
EC2 feature
- Instances**
Amazon DocumentDB feature
- Reserved instances**
RDS feature

Documentation [See all 290,898 results in Documentation ↗](#)

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→ Select AWS-CONFIGUREAWSpackage

aws Services ▾ [Alt+S]

AWS Systems Manager X

Quick Setup

▼ Operations Management
Explorer
OpsCenter
CloudWatch Dashboard
PHD

▼ Application Management
Application Manager *New*
AppConfig
Parameter Store

▼ Change Management
Change Manager *New*

AWS Systems Manager > Run Command > Run a command

Run a command

Command document
Select the type of command that you want to run.

	Name	Owner	Platform types
<input type="radio"/>	AWS-ApplyAnsiblePlaybooks	Amazon	Linux
<input type="radio"/>	AWS-ApplyChefRecipes	Amazon	Windows, Linux
<input type="radio"/>	AWS-ApplyDSCMofs	Amazon	Windows
<input type="radio"/>	AWS-ApplyPatchBaseline	Amazon	Windows
<input checked="" type="radio"/>	AWS-ConfigureAWSpackage	Amazon	Windows, Linux, MacOS
<input type="radio"/>	AWS-ConfigureCloudWatch	Amazon	Windows

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→ Change Name

The screenshot shows the 'Command parameters' form in the AWS Systems Manager console. The 'Action' dropdown is set to 'Install'. The 'Installation Type' dropdown is set to 'Uninstall and reinstall'. The 'Name' field is highlighted with a blue border and contains the text 'AmazonCloudWatchAgent'. The 'Version' field is empty. The 'Additional Arguments' field contains a single space character.

Command parameters

Action (Required) Specify whether or not to install or uninstall the package.
Install

Installation Type (Optional) Specify the type of installation. Uninstall and reinstall: The application is taken offline until the reinstallation process completes. In-place update: The application is available while new or updated files are added to the installation.
Uninstall and reinstall

Name (Required) The package to install/uninstall.
AmazonCloudWatchAgent

Version (Optional) The version of the package to install or uninstall. If you don't specify a version, the system installs the latest published version by default. The system will only attempt to uninstall the version that is currently installed. If no version of the package is installed, the system returns an error.

Additional Arguments (Optional) The additional parameters to provide to your install, uninstall, or update scripts.

→ Select instance and view output

The screenshot shows the 'Run Command' results page in the AWS Systems Manager console. A green banner at the top indicates 'Command ID: e5bf7ff3-8e8f-4624-a17e-eeb122f643bf was successfully sent!'. Below this, the command ID is displayed. The 'Command status' section shows 'Overall status' as 'Success' and 'Detailed status' as 'Success'. The 'Targets and outputs' table shows one target with a status of 'Success'.

Command ID: e5bf7ff3-8e8f-4624-a17e-eeb122f643bf

Cancel command Rerun Copy to new

Command status

Overall status	Detailed status	# targets	# completed	# error	# delivery timed out
Success	Success	1	1	0	0

Targets and outputs

Instance ID	Instance name	Status	Detailed Status	Start time	Finish time
i-09763d63318b1a5b0		Success	Success	Fri, 21 May 2021 17:52:12 GMT	Fri, 21 May 2021 17:52:13 GMT

→ Open view output and you see in step 2 output agent has successfully installed.

The screenshot shows the 'Step 2 - Command description and status' page in the AWS Systems Manager console. The 'Status' is 'Success' and the 'Detailed status' is 'Success'. The 'Step name' is 'configurePackage'. The 'Output' section shows the command output, which includes the text 'Successfully installed arn:aws:ssm::package/AmazonCloudWatchAgent 1.247347.6b250880'.

Step 2 - Command description and status

Status	Detailed status	Response code
Success	Success	0

Step name	Start time	Finish time
configurePackage	Fri, 21 May 2021 17:52:13 GMT	Fri, 21 May 2021 17:52:24 GMT

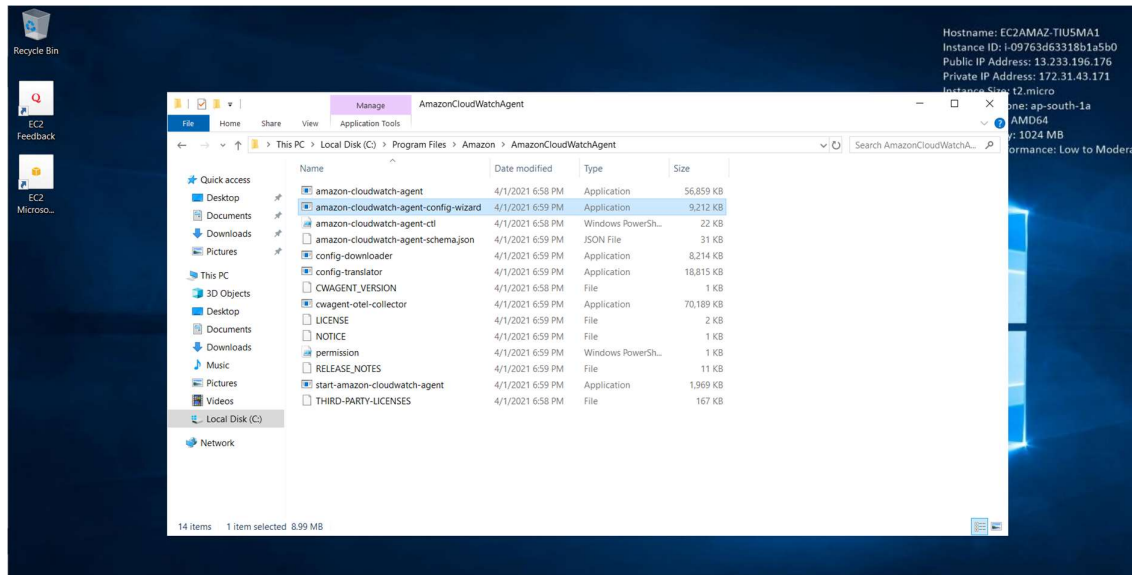
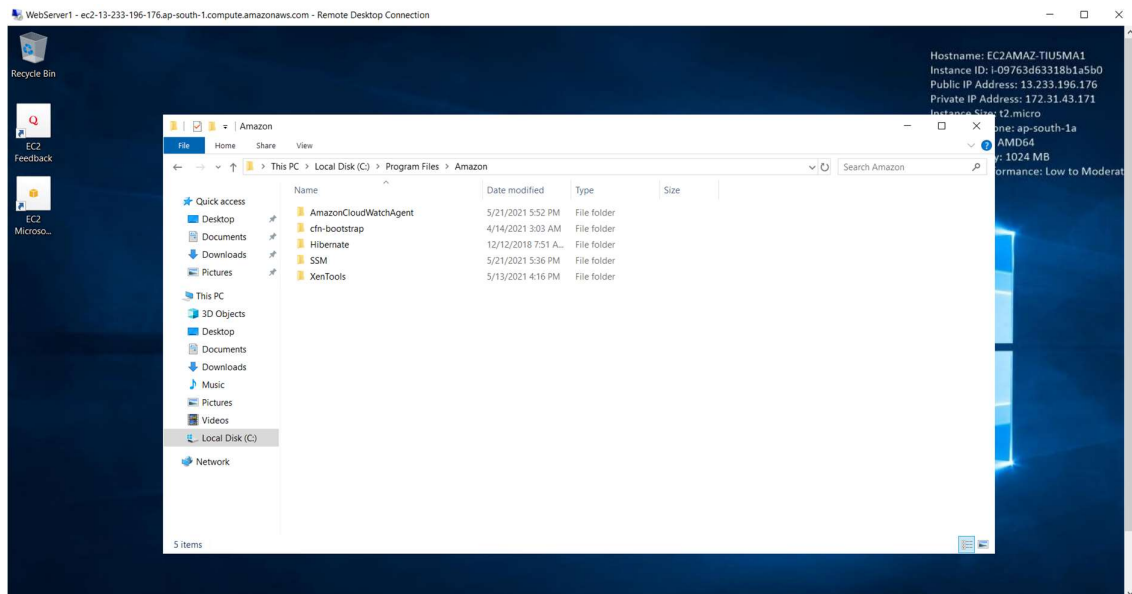
Output

The command output displays a maximum of 48,000 characters. You can view the complete command output in either Amazon S3 or CloudWatch Logs, if you specify an S3 bucket or a logs group when you run the command.

```
Initiating arn:aws:ssm::package/AmazonCloudWatchAgent 1.247347.6b250880 install
Plugin aws:runPowerShellScript ResultStatus Success
install output: Running install.ps1
Successfully installed arn:aws:ssm::package/AmazonCloudWatchAgent 1.247347.6b250880
```

Copy Download

➔ Open remote Desktop connection and go to this path you see AmazonCloudWatch agent has installed previously not installed it



→ We go the command prompt in remote desktop connection and open path and run dir & then in next command we open amazon-cloudwatch-agent-wizard.exe

```
Microsoft Windows [Version 10.0.17763.1935]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Program Files\Amazon\AmazonCloudWatchAgent>dir
Volume in drive C has no label.
Volume Serial Number is C4CC-9B43

Directory of C:\Program Files\Amazon\AmazonCloudWatchAgent

05/21/2021  05:52 PM    <DIR>          .
05/21/2021  05:52 PM    <DIR>          ..
04/01/2021  06:59 PM           9,432,968 amazon-cloudwatch-agent-config-wizard.exe
04/01/2021  06:58 PM           21,642 amazon-cloudwatch-agent-ctl.ps1
04/01/2021  06:59 PM           31,090 amazon-cloudwatch-agent-schema.json
04/01/2021  06:58 PM          58,223,496 amazon-cloudwatch-agent.exe
04/01/2021  06:59 PM          8,410,504 config-downloader.exe
04/01/2021  06:59 PM         19,266,440 config-translator.exe
04/01/2021  06:59 PM         71,873,416 cwagent-otel-collector.exe
04/01/2021  06:58 PM              18 CWAGENT_VERSION
04/01/2021  06:59 PM           1,148 LICENSE
04/01/2021  06:59 PM              96 NOTICE
04/01/2021  06:59 PM           411 permission.ps1
04/01/2021  06:59 PM          11,117 RELEASE_NOTES
04/01/2021  06:59 PM         2,016,136 start-amazon-cloudwatch-agent.exe
04/01/2021  06:58 PM          170,932 THIRD-PARTY-LICENSES
               14 File(s)      169,459,414 bytes
               2 Dir(s)      15,668,047,872 bytes free

C:\Program Files\Amazon\AmazonCloudWatchAgent>amazon-cloudwatch-agent-config-wizard.exe
=====
= Welcome to the AWS CloudWatch Agent Configuration Manager =
=====
On which OS are you planning to use the agent?
1. linux
2. windows
3. darwin
default choice: [2]:

Trying to fetch the default region based on ec2 metadata...
Are you using EC2 or On-Premises hosts?
1. EC2
2. On-Premises
default choice: [1]:

Do you want to turn on StatsD daemon?
1. yes
2. no
default choice: [1]:
```