Raspberry Pi

How to Install AWS-CLI on Raspberry Pi

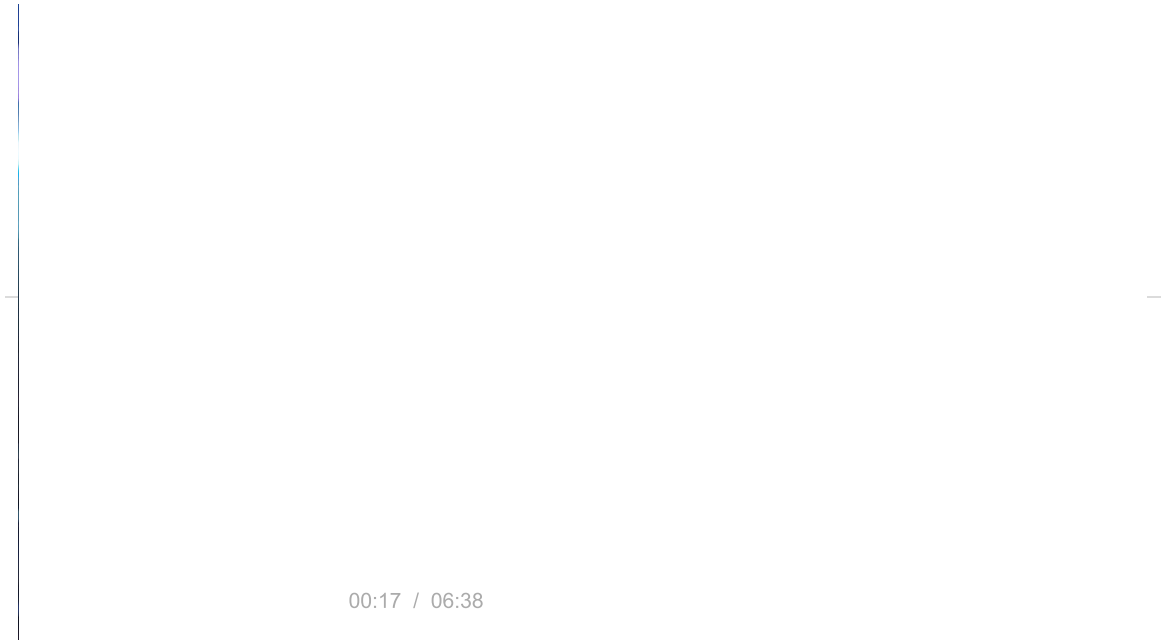
3 months ago • by Hiba Shafqat

AWS-CLI is an integrated tool that offers a constant interface for engaging with all components of Amazon Web Services. It is one of the most effective technologies for automation and cloud computing. It can do a variety of tasks, including managing S3 object storage as well as EC2 compute instances. You can also use it to construct and administer services like Amazon Lambda functions. As a result, having the **AWS-CLI** installed on a Raspberry Pi can be a great asset for any developer or system administrator.

Users should follow this guide if they wish to install **AWS-CLI** on Raspberry Pi.

Install AWS-CLI on Raspberry Pi

There are two methods to install **AWS-CLI** on Raspberry Pi, which are as follows:



- Through Apt Command
- Through Pip

Method 1: Through Apt Command

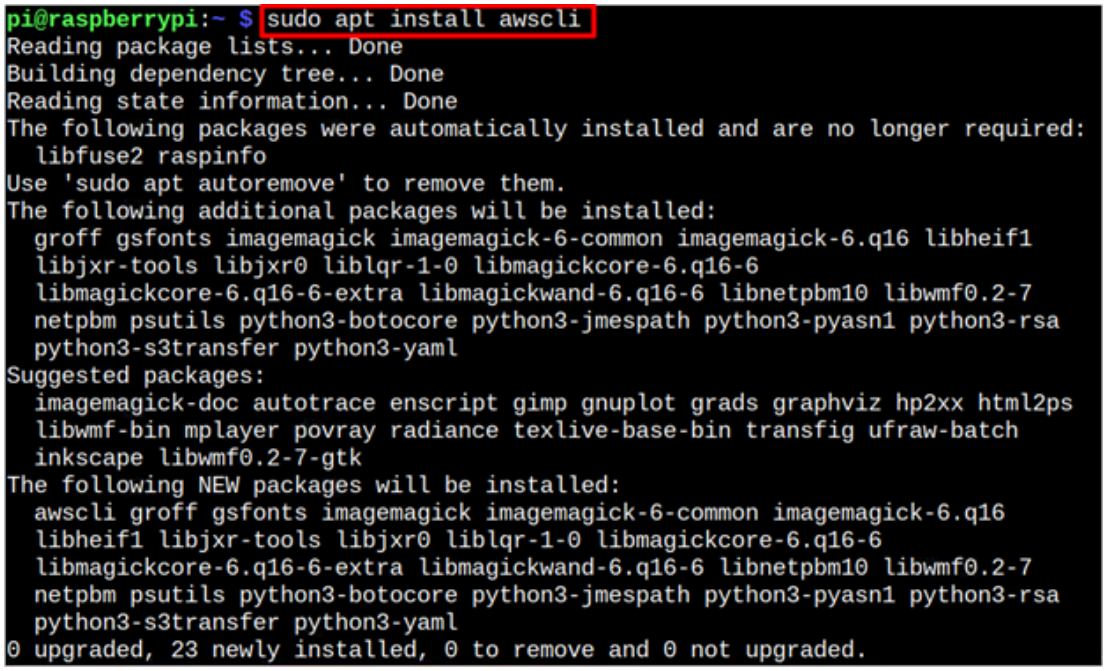
To install **AWS-CLI** through official Raspberry Pi repository, follow the below-given steps:

Step 1: Ensure that packages installed on the system are updated and this can do through following command:

```
sudo apt update
```

Step 2: Once the packages are installed, the **AWS-CLI** can be installed with the apt package manager through the following command:

```
sudo apt install awscli
```



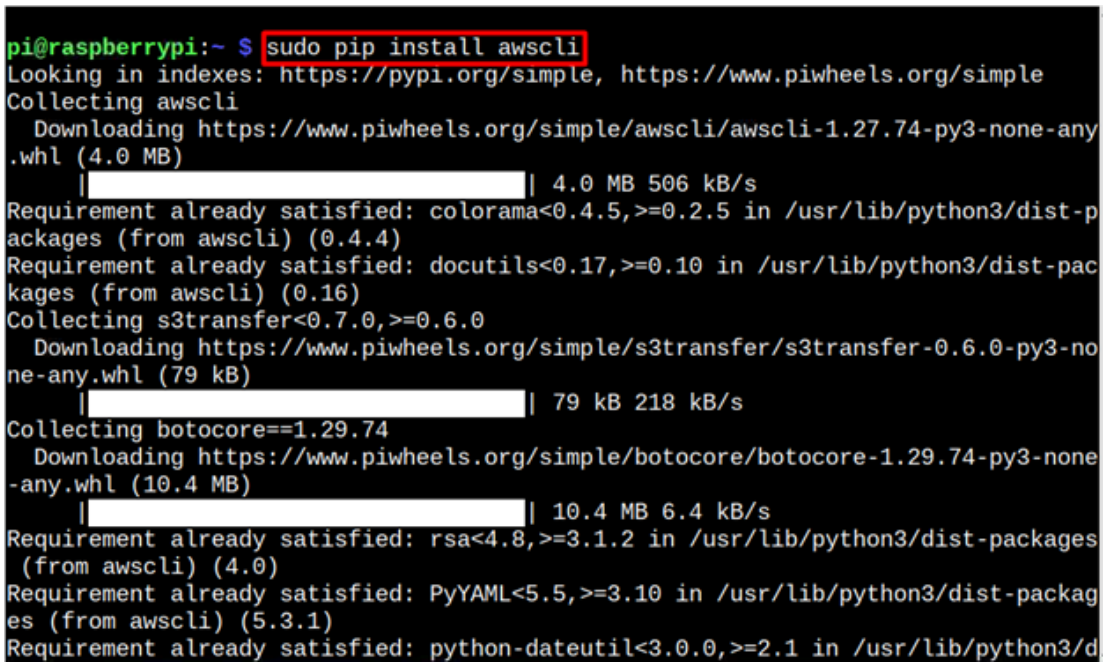
Step 3: Verify the **AWS-CLI** version with below-mentioned command once the installation is completed:

```
aws --version
```

At this stage, you have successfully installed **AWS-CLI** on the Raspberry Pi system and you can start configuring it.

Method 2: Through Pip

```
sudo pip install awscli
```



How to Configure AWS-CLI from Raspberry Pi

Before using **AWS-CLI**, you must register an account here. You will get the **Access Key**

While setting AWS-CLI on a Raspberry Pi, this information will be needed. Use “**json**” as the preferred output format since it is simpler to understand than plain text.

Execute this command on your Raspberry Pi after you have the above information.

```
aws configure
```

Write down the required information to complete the **ASW-CLI** configuration.

How to Test the Connections with AWS-CLI

Try to run any **AWS** list command to check the **CLI** connection. You may use the “**aws iot list-things**” command to get a list of all your IoT devices.

```
aws iot list-things
```

If you’ve set up any IoT Things on Amazon, you should see the list; otherwise, a **blank json things** list will appear if you haven’t created any IoT Things on AWS.

Execute the command that follows on a Raspberry Pi to create a new IoT thing:

```
pi@raspberrypi:~ $ aws iot create-thing --thing-name "RaspberryPiThings"
{
    "thingName": "RaspberryPiThings",
    "thingArn": "arn:aws:iot:us-east-1:[redacted]:thing/RaspberryPiThings",
    "thingId": "[redacted]-418f-8f2d-195e50c12815"
}
pi@raspberrypi:~ $
```

How to Remove AWS-CLI from Raspberry Pi

Use the following command to remove **AWS-CLI** from Raspberry Pi in case you don't need it on your system.

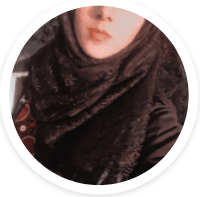
```
sudo apt remove awscli
```

```
pi@raspberrypi:~ $ sudo apt remove awscli
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfuse2 python3-botocore python3-jmespath python3-pyasn1 python3-rsa
  python3-s3transfer python3-yaml raspinfo
Use 'sudo apt autoremove' to remove them.
The following packages will be REMOVED:
  awscli
0 upgraded, 0 newly installed, 1 to remove and 0 not upgraded.
After this operation, 9,616 kB disk space will be freed.
Do you want to continue? [Y/n] y
(Reading database ... 190621 files and directories currently installed.)
Removing awscli (1.19.1-1) ...
pi@raspberrypi:~ $
```

Conclusion

The **AWS-CLI** on Raspberry Pi is a powerful tool for accessing and managing AWS services. The setup process is relatively simple, and the features are incredibly useful for automation and other tasks. You can install **AWS-CLI** either through the Raspberry Pi repository or through pip. After the installation, you can configure AWS on the terminal

ABOUT THE AUTHOR



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I am a Computer Science student and a committed technical writer by choice. It is a great pleasure to share my knowledge with the world in which I have academic expertise.

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