

s3cmd Installation Guide

13th May 2020

Created By: Faizan Ahmad

s3cmd is a command line utility used for creating s3 buckets, uploading, retrieving and managing data to Amazon s3 storage. This document will help you to how to install **s3cmd** on linux and manage s3 buckets via the command line.

Installation

Download the [latest release of s3cmd from GitHub](#):

\$ curl -O -L <https://github.com/s3tools/s3cmd/releases/download/v2.1.0/s3cmd-2.1.0.tar.gz>

```
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ curl -O -L https://github.com/s3tools/s3cmd/releases/download/v2.1.0/s3cmd-2.1.0.tar.gz
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left   Speed
100  9 100  9  0  0  24  0  --:--:-- --:--:-- --:--:--  24
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ ls
```

Untar the file:

\$ tar xzf s3cmd-2.1.0.tar.gz

```
0.0.1 0.0.2 archive buildScript extra-images file1.txt mirrorfly s3cmd-2.1.0.tar.gz src testDir
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ tar xzf s3cmd-2.1.0.tar.gz
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ ls
0.0.1 0.0.2 archive buildScript extra-images file1.txt mirrorfly s3cmd-2.1.0 s3cmd-2.1.0.tar.gz src testDir
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$
```

You should now have a directory called s3cmd-2.1.0. Change into that directory:

\$ cd s3cmd-2.1.0

Now install it using the below command with source files.

\$ sudo python setup.py install

Configure s3cmd Environment

In order to configure s3cmd we would require **Access Key** and **Secret Key** of your S3 Amazon account.

After getting key files, use the below command to configure s3cmd.

```
$ s3cmd --configure
```

This need to be completed

Uses of s3cmd Command Line

List all buckets

Use the following command to view all s3 buckets list.

```
$ s3cmd ls
```

```
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ s3cmd ls
2020-01-18 13:36 s3://aiondigital
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$
```

Uploading file in bucket

Below command will upload file test.txt to s3 bucket using s3cmd command.

```
$ s3cmd put <File Name> s3://aiondigital
```

```
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ s3cmd put test.txt s3://aiondigital
upload: 'test.txt' -> 's3://aiondigital/test.txt' [1 of 1]
8 of 8 100% in 0s 34.42 B/s done
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$
```

Uploading directory in bucket

To upload the entire directory to use -r to upload it recursively.

```
$ s3cmd put -r <Directory Name> s3://aiondigital
```

```
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ s3cmd put -r testDir s3://aiondigital
upload: 'testDir/file1.txt' -> 's3://aiondigital/testDir/file1.txt' [1 of 2]
7 of 7 100% in 0s 138.14 B/s done
upload: 'testDir/file2.txt' -> 's3://aiondigital/testDir/file2.txt' [2 of 2]
7 of 7 100% in 0s 20.79 B/s done
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ ls testDir/
file1.txt file2.txt
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$
```

Make sure you are not adding trailing slash in the upload directory named backup (eg: **testDir/**), else it will upload only content to **testDir** directory only.

```
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ s3cmd put -r testDir/ s3://aiondigital
upload: 'testDir/file1.txt' -> 's3://aiondigital/file1.txt' [1 of 2]
 7 of 7 100% in 0s 163.90 B/s done
upload: 'testDir/file2.txt' -> 's3://aiondigital/file2.txt' [2 of 2]
 7 of 7 100% in 0s 86.84 B/s done
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$
```

List data of s3 bucket

List the objects of the s3 bucket using **ls** switch with s3cmd.

\$ s3cmd ls s3://aiondigital

```
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ s3cmd ls s3://aiondigital
DIR s3://aiondigital/Certs/
DIR s3://aiondigital/J1-VM-Backup(Fahid)/
DIR s3://aiondigital/bank-logs/
DIR s3://aiondigital/build/
DIR s3://aiondigital/buildScript/
DIR s3://aiondigital/downloadScript/
DIR s3://aiondigital/extra-images/
DIR s3://aiondigital/hammad/
DIR s3://aiondigital/image-mirrorfly-old/
DIR s3://aiondigital/images-mirrorfly/
DIR s3://aiondigital/images/
DIR s3://aiondigital/mirrorfly-recordings/
DIR s3://aiondigital/mirrorfly/
DIR s3://aiondigital/old-mirrorfly/
DIR s3://aiondigital/onboarding/
DIR s3://aiondigital/stackFiles/
DIR s3://aiondigital/testDir/
DIR s3://aiondigital/testScripts/
2020-03-24 06:39 3236802560 s3://aiondigital/2020-03-18_06-41-46_Mashael_Bilal.webm
2020-03-24 06:29 2500374528 s3://aiondigital/2020-03-18_10-59-15_sarankumardev_Aion.webm
2020-03-24 06:34 417406976 s3://aiondigital/2020-03-23_13-39-20_Bsjsjejsjeidev_Aion.webm
2020-03-25 15:11 666191629 s3://aiondigital/Windows_v4.5.zip
2020-03-28 12:58 60472320 s3://aiondigital/conduit.webadmin_0.0.4_kfhk_patch.tar
2020-03-26 14:17 16020 s3://aiondigital/docker-compose.yaml
2020-05-12 18:58 7 s3://aiondigital/file1.txt
2020-05-12 18:58 7 s3://aiondigital/file2.txt
2020-02-23 16:03 2101528740 s3://aiondigital/mirrorfly
2020-03-11 09:14 63477248 s3://aiondigital/mirrorfly-webapp-patch2.tar
2020-02-04 06:01 1076 s3://aiondigital/test-connection-eZ1Vy.html
2020-05-12 18:44 8 s3://aiondigital/test.txt
2020-02-06 14:08 55388198 s3://aiondigital/upload
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$
```

Download file from s3 bucket

Sometimes if we need to download files from the s3 bucket, Use the following commands to download it.

\$ s3cmd get s3://aiondigital/<File Name>

```
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ s3cmd get s3://aiondigital/testDir/file1.txt
download: 's3://aiondigital/testDir/file1.txt' -> './file1.txt' [1 of 1]
7 of 7 100% in 0s 126.49 B/s done
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$
```

Remove data from s3 bucket

To remove files or folder from s3 bucket use following commands.

Removing file from bucket.

\$ s3cmd del s3://aiondigital/<File Name>

```
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ s3cmd del s3://aiondigital/test.txt
delete: 's3://aiondigital/test.txt'
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$
```

Removing directory from bucket

\$ s3cmd del s3://aiondigital/<Directory Name>

```
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$ s3cmd del s3://aiondigital/testDir
delete: 's3://aiondigital/testDir'
baqai@ubuntu-s-2vcpu-4gb-sgp1-01:~$
```