

Practical 5

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PRN: 202301040191

Roll no. 158

Multipart file upload

```
Windows PowerShell  X  MINGW64:/d/aws  X  +  v

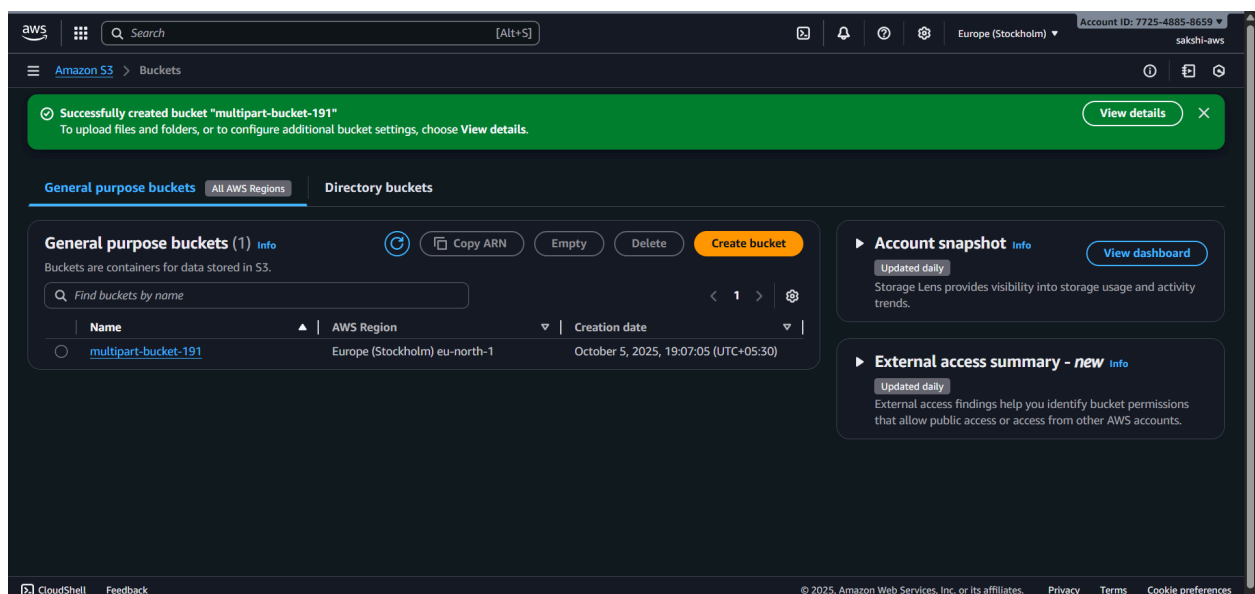
deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ ls -l
total 51200
-rw-r--r-- 1 deshm 197609 52428800 Oct  5 16:24 50MB.zip

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ split -b 10M 50MB.zip

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ ls
50MB.zip xaa xab xac xad xae

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ ls -l
total 102400
-rw-r--r-- 1 deshm 197609 52428800 Oct  5 16:24 50MB.zip
-rw-r--r-- 1 deshm 197609 10485760 Oct  5 16:32 xaa
-rw-r--r-- 1 deshm 197609 10485760 Oct  5 16:32 xab
-rw-r--r-- 1 deshm 197609 10485760 Oct  5 16:32 xac
-rw-r--r-- 1 deshm 197609 10485760 Oct  5 16:32 xad
-rw-r--r-- 1 deshm 197609 10485760 Oct  5 16:32 xae

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ |
```



```
Windows PowerShell x MINGW64/d/aws x + v
deshm@LAPTOP-GUBJ3GL3 MINGW64 ~
$ aws s3api list-buckets
{
  "Buckets": [
    {
      "Name": "multipart-bucket-191",
      "CreationDate": "2025-10-05T13:37:07+00:00"
    }
  ],
  "Owner": {
    "ID": "8b31f421e07a584a1e42e41e1f341a46f4245a15e126f72dd2a66afcfc2ee0b"
  },
  "Prefix": null
}
```

```
Windows PowerShell x MINGW64/d/aws x + v
deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api create-multipart-upload --bucket multipart-bucket-191 --key 50MB.zip
{
  "ServerSideEncryption": "AES256",
  "Bucket": "multipart-bucket-191",
  "Key": "50MB.zip",
  "UploadId": "teBnZRf.W1Xq_4GV0hGLZAJ9JosBWrtd6DiTj8pURjXeza4pmyAVjC05xXdsfAazq_a6pjeL.EiCnadiI_qKCAwkrbh4Hs5wZuR0VYYyYXqFrrWVTFDnnappOfXLe9bt"
}

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ ls -l
total 102404
-rw-r--r-- 1 deshm 197609 504 Oct 5 18:45 50MB.json
-rw-r--r-- 1 deshm 197609 52428800 Oct 5 16:24 50MB.zip
-rw-r--r-- 1 deshm 197609 10485760 Oct 5 16:32 xaa
-rw-r--r-- 1 deshm 197609 10485760 Oct 5 16:32 xab
-rw-r--r-- 1 deshm 197609 10485760 Oct 5 16:32 xac
-rw-r--r-- 1 deshm 197609 10485760 Oct 5 16:32 xad
-rw-r--r-- 1 deshm 197609 10485760 Oct 5 16:32 xae
```

```
Windows PowerShell x MINGW64/d/aws x + v
deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api upload-part --bucket multipart-bucket-191 --key 50MB.zip --part-number 1 --body xaa --upload-id teBnZRf.W1Xq_4GV0hGLZAJ9JosBWrtd6DiTj8pURjXeza4pmyAVjC05xXdsfAazq_a6pjeL.EiCnadiI_qKCAwkrbh4Hs5wZuR0VYYyYXqFrrWVTFDnnappOfXLe9bt
{
  "ServerSideEncryption": "AES256",
  "ETag": "\"b92552cdfce1ffc196e544fff5803a81\"",
  "ChecksumCRC64NVME": "3PvukASNHFE="
}

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api upload-part --bucket multipart-bucket-191 --key 50MB.zip --part-number 2 --body xab --upload-id teBnZRf.W1Xq_4GV0hGLZAJ9JosBWrtd6DiTj8pURjXeza4pmyAVjC05xXdsfAazq_a6pjeL.EiCnadiI_qKCAwkrbh4Hs5wZuR0VYYyYXqFrrWVTFDnnappOfXLe9bt
{
  "ServerSideEncryption": "AES256",
  "ETag": "\"bc8747816b09d3150047d79c872e2476\"",
  "ChecksumCRC64NVME": "UVHzt87kfcH="
}

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api upload-part --bucket multipart-bucket-191 --key 50MB.zip --part-number 3 --body xac --upload-id teBnZRf.W1Xq_4GV0hGLZAJ9JosBWrtd6DiTj8pURjXeza4pmyAVjC05xXdsfAazq_a6pjeL.EiCnadiI_qKCAwkrbh4Hs5wZuR0VYYyYXqFrrWVTFDnnappOfXLe9bt
{
  "ServerSideEncryption": "AES256",
  "ETag": "\"c8c7015fbedfa77041b46777a336f77a\"",
  "ChecksumCRC64NVME": "TpSWtKS8qAc="
}

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api upload-part --bucket multipart-bucket-191 --key 50MB.zip --part-number 4 --body xad --upload-id teBnZRf.W1Xq_4GV0hGLZAJ9JosBWrtd6DiTj8pURjXeza4pmyAVjC05xXdsfAazq_a6pjeL.EiCnadiI_qKCAwkrbh4Hs5wZuR0VYYyYXqFrrWVTFDnnappOfXLe9bt
{
  "ServerSideEncryption": "AES256",
  "ETag": "\"678353711983610633ec6fd26c7acd5d\"",
  "ChecksumCRC64NVME": "FeBkbf/c1G4="
}
```

```
Windows PowerShell
MINGW64/d/aws

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api list-parts --bucket multipart-upload-bucket-191 --key 50MB.zip --upload-id ZAVic81..eB6kMuye88nAVsqDvrj9E9Yj9charRZC1PzjsUH_GESp9.dSoIs1B3Kuyz0L3Liev_Lo88XZFjrUr618VTPRLPeZ3pLiFeR0tq.oAgdksVTZ
3Lq2Rw5
{
  "Parts": [
    {
      "PartNumber": 1,
      "LastModified": "2025-10-05T11:18:13+00:00",
      "ETag": "\"b92552cdfce1ffc196e544fff5803a81\"",
      "Size": 10485760
    },
    {
      "PartNumber": 2,
      "LastModified": "2025-10-05T11:18:58+00:00",
      "ETag": "\"bc8747816b09d3150047d79c872e2476\"",
      "Size": 10485760
    },
    {
      "PartNumber": 3,
      "LastModified": "2025-10-05T11:19:33+00:00",
      "ETag": "\"c8c7015fbedfa77041b46777a336f77a\"",
      "Size": 10485760
    },
    {
      "PartNumber": 4,
      "LastModified": "2025-10-05T11:20:07+00:00",
      "ETag": "\"678353711983610633ec6fd26c7acd5d\"",
      "Size": 10485760
    },
    {
      "PartNumber": 5,
      "LastModified": "2025-10-05T11:20:32+00:00",
      "ETag": "\"92d863620b45cd144d0086ad0316b260\"",
      "Size": 10485760
    }
  ],
  "ChecksumAlgorithm": null,
  "Initiator": {
    "ID": "arn:aws:iam::772548888659:user:Sakshi",
    "DisplayName": "Sakshi"
  },
  "Owner": {
    "ID": "8b31f421e07a584a1e42e41ef341a464245a15e126f72dd2a66afcfc2ee0b"
  },
  "StorageClass": "STANDARD",
  "ChecksumType": null
}

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$
```

```
Windows PowerShell
MINGW64/d/aws

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api list-parts --bucket multipart-bucket-191 --key 50MB.zip --upload-id teBnZrf.W1Xq_4GV0hGLZAJ9JosBWrdt6DiTj8pURjXeZa4pmyAVjCO5xXdsfAazq_a6pjeL.EIc
NadII_qKCAwkrbh4Hs5wZuR0VYYyXqFrrWVTFDnnappOfXLe9bt --query '{Parts: Parts[*].{PartNumber: PartNumber, ETag: ETag}}' --output json > 50MB.json

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ cat 50MB.json
{
  "Parts": [
    {
      "PartNumber": 1,
      "ETag": "\"b92552cdfce1ffc196e544fff5803a81\""
    },
    {
      "PartNumber": 2,
      "ETag": "\"bc8747816b09d3150047d79c872e2476\""
    },
    {
      "PartNumber": 3,
      "ETag": "\"c8c7015fbedfa77041b46777a336f77a\""
    },
    {
      "PartNumber": 4,
      "ETag": "\"678353711983610633ec6fd26c7acd5d\""
    },
    {
      "PartNumber": 5,
      "ETag": "\"92d863620b45cd144d0086ad0316b260\""
    }
  ]
}
```

```
deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api list-parts --bucket multipart-bucket-191 --key 50MB.zip --upload-id teBnZrf.W1Xq_4GV0hGLZAJ9JosBWrdt6DiTj8pURjXeZa4pmyAVjCO5xXdsfAazq_a6pjeL.EIc
NadII_qKCAwkrbh4Hs5wZuR0VYYyXqFrrWVTFDnnappOfXLe9bt --query '{Parts: Parts[*].{PartNumber: PartNumber, ETag: ETag}}' --output json > 50MB.json

deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api complete-multipart-upload --multipart-upload file://50MB.json --bucket multipart-bucket-191 --key 50MB.zip --upload-id teBnZrf.W1Xq_4GV0hGLZAJ9J
osBWrdt6DiTj8pURjXeZa4pmyAVjCO5xXdsfAazq_a6pjeL.EIcNadII_qKCAwkrbh4Hs5wZuR0VYYyXqFrrWVTFDnnappOfXLe9bt
{
  "ServerSideEncryption": "AES256",
  "Location": "https://multipart-bucket-191.s3.eu-north-1.amazonaws.com/50MB.zip",
  "Bucket": "multipart-bucket-191",
  "Key": "50MB.zip",
  "ETag": "\"6268b195805dc8813d84d62740a8b47-5\"",
  "ChecksumCRC64NVME": "CmW+50jlH+4=",
  "ChecksumType": "FULL_OBJECT"
}
```

aws

Search

[Alt+S]

Europe (Stockholm)

Account ID: 7725-4885-8659

sakshi-aws

Amazon S3

Buckets

multipart-bucket-191

multipart-bucket-191

info

Objects

Properties

Permissions

Metrics

Management

Access Points

Objects (1)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

< 1 >

Name

Type

Last modified

Size

Storage class

50MB.zip

zip

October 5, 2025, 19:09:41
(UTC+05:30)

50.0 MB

Standard

CloudShell

Feedback

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```
deshm@LAPTOP-GUBJ3GL3 MINGW64 /d/aws
$ aws s3api list-multipart-uploads --bucket multipart-bucket-191
{
  "RequestCharged": null,
  "Prefix": null
}
```