

# Moving files to S3 storage

## Create a bucket at AWS

1. Select same region as server is hosted in
  1. Go to <https://eu-north-1.console.aws.amazon.com/s3/buckets>
2. Add bucket
3. Select Directory if files are mainly media (pictures/video)
4. Name the bucket: **s3fs.CUSTOMER**

## Add IAM role to server

1. Go to <https://eu-north-1.console.aws.amazon.com/ec2/home>
2. Right click server > Security > Modify IAM role
3. Choose **ServerWithNetworkFilesystem**
4. Update IAM role

## Install the mountpoint

1. Install software: <https://docs.aws.amazon.com/AmazonS3/latest/userguide/mountpoint-installation.html>
2. Make a folder
  1. `sudo mkdir /mnt/s3fs`
3. Test the mount
  1. `sudo mount-s3 --allow-other --dir-mode 0777 --file-mode 0777 s3fs.CUSTOMER /mnt/s3fs`
4. Unmount again
  1. `sudo umount /mnt/s3fs`
5. Modify fstab for automatic mount
  1. `sudo nano /etc/fstab`
  2. Add a line add the end containing: `s3://s3fs.CUSTOMER/ /mnt/s3fs mount-s3 _netdev,nosuid,nodev,nofail,rw,allow-other,dir-mode=0777,file-mode=0777 0 0`
6. Try the fstab mount
  1. `sudo mount -a`
7. Option for multi instance server: `sudo mkdir /mnt/s3fs/<instancename>`

## Change storage location and policy

1. Go to Server > Backend > Modules > Configuration
2. Change filesystemStorageBasePath: /mnt/s3fs
  - Option for multi instance server: /mnt/s3fs/<instancename>
3. Change filesystemStorageActive: true

## Migrate existing files til S3

### 1. Call server URL

- Manual: `main?command=dk.tempusserva.codeunit.system.PageConvertBlobsToFiles`
  - Full auto:  
`main?command=dk.tempusserva.codeunit.system.PageConvertBlobsToFiles&convert`
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