

# Media Section

Configuration options relating to how Media uploaded to your homeserver is handled by ESS.

Config: ☐

The Media section allows you to customise where media uploaded to your homeserver should be stored and the maximum upload size. By default this is to a Persistent Volume Claim (PVC) however you can also configure options for using S3.

All settings configured via the UI in this section will be saved to your `deployment.yml`, with the contents of secrets being saved to `secrets.yml`. You will find specific configuration examples in each section.

## Config Example

- `deployment.yml`

```
metadata:
  annotations:
    ui.element.io/layer: |
      components:
        synapse:
          config:
            media:
spec:
  components:
    synapse:
      config:
        media:
```

- `secrets.yml`

```
kind: Secret
metadata:
  name: synapse
  namespace: element-onprem
data:
```

By default, if you do not change any settings on this page, defaults will be added to your configuration file/s (see example below).

#### Config Example

- deployment.yml

```
spec:
  components:
    synapse:
      config:
        media:
          maxUploadSize: 100M
          volume:
            size: 50Gi
```

## Config

### Media

- ☒ Persistent Volume Claim for Storage
- ☐ S3 for Long Term Storage and Ephemeral Storage for the Short Term
- ☐ S3 for Long Term Storage and Persistent Volume Claim for the Short Term

#### Config Example

```
```yaml spec: components: synapse: config: media: volume: # Present if you select either Persistent Volume Claim option size: 50Gi ```
```

Selecting either Persistent Volume Claim configuration option will default to using a 50Gi volume for media.

### S3

Bucket \*

example\_bucket\_name

Edited

The bucket name



Prefix \*

example\_prefix

Edited

Prefix within the bucket to use for storing/fetching media

Storage Class \*

STANDARD

Default

The object storage class used when uploading files to the bucket.

### Config Example

```
spec:
  components:
    synapse:
      config:
        media:
          s3:
            bucket: example_bucket_name
            prefix: example_prefix
            storageClass: STANDARD # Not present if left as default
```

Provide your bucket name and a prefix within the bucket to use. You can also adjust the storage class however it is recommended to leave it as `STANDARD` unless you have a specific requirement to change.

## Authentication

Secrets

/

Synapse

/

Media S3 Storage Access Key ID ▾

Access Key Id

.....



Secrets

/

Synapse

/

Media S3 Storage Secret Key ▾

Secret Access Key

.....



### Config Example

- secrets.yml

```
apiVersion: v1
kind: Secret
metadata:
  name: synapse
  namespace: element-onprem
data:
  mediaS3StorageAccessKeyId: ZXhhbXBsZWJY2Vzc2tleWlk
  mediaS3StorageSecretKey: ZXhhbXBsZXNIY3JldGFjY2Vzc2tleQ==
```

Provide any credentials ( `Access Key ID` and `Secret Access Key` ) required to authenticate access to the specified S3 bucket.

## Region

## Region



The S3 bucket region

Region \*

eu-central-1

Edited

The S3 bucket region

### Config Example

```
spec:
  components:
    synapse:
      config:
        media:
          s3:
            region: eu-central-1 # Not present if disabled
```

Toggle on this section to be able to specify the S3 bucket region you wish to use.

## Endpoint URL



Target a non AWS-S3 Endpoint URL

Endpoint URL \*

https://example-endpoint.url

Target a non AWS-S3 Endpoint URL

### Config Example

```
spec:
  components:
    synapse:
      config:
        media:
          s3:
            endpointUrl: https://example-endpoint.url # Not present if disabled
```

Toggle on this section to be able to specify a non-AWS S3 endpoint URL.

## Local Cleanup

### Config Example

```
spec:
  components:
    synapse:
      config:
        media:
          s3:
            # Not present if disabled
            # localCleanup: {} # If defaults left as-is
            localCleanup:
              frequency: 2h # Only present if changed from default
              threshold: 2d # Only present if changed from default
```

Toggle on this section to control the frequency of local storage cleanup and the threshold since media was last accessed before it should be offloaded to S3.

## Max Upload Size

Max Upload Size

100M

Default

The cap on the size of uploaded media. Size in bytes ending in M or K

## Config Example

```
spec:  
  components:  
    synapse:  
      config:  
        media:  
          maxUploadSize: 100M
```

By default the Max Upload size is `100M`, here you can adjust this value to allow for larger or smaller uploads on your homeserver. The desired file size should be specified in bytes ending with `M` or `K`.

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