Media Section

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

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 y also configure options for using S3.

All settings configured via the UI in this section will be saved to your `deployment.yml`, with the content 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).

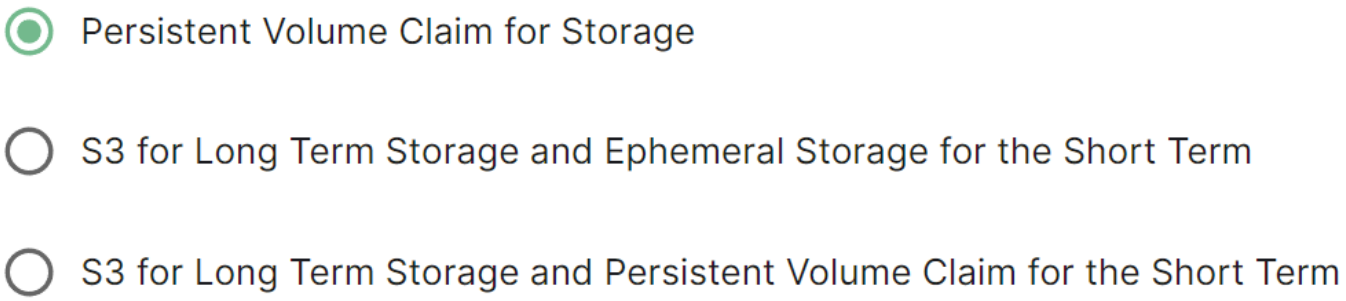
Config Example

- `deployment.yml`

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

Config

Media

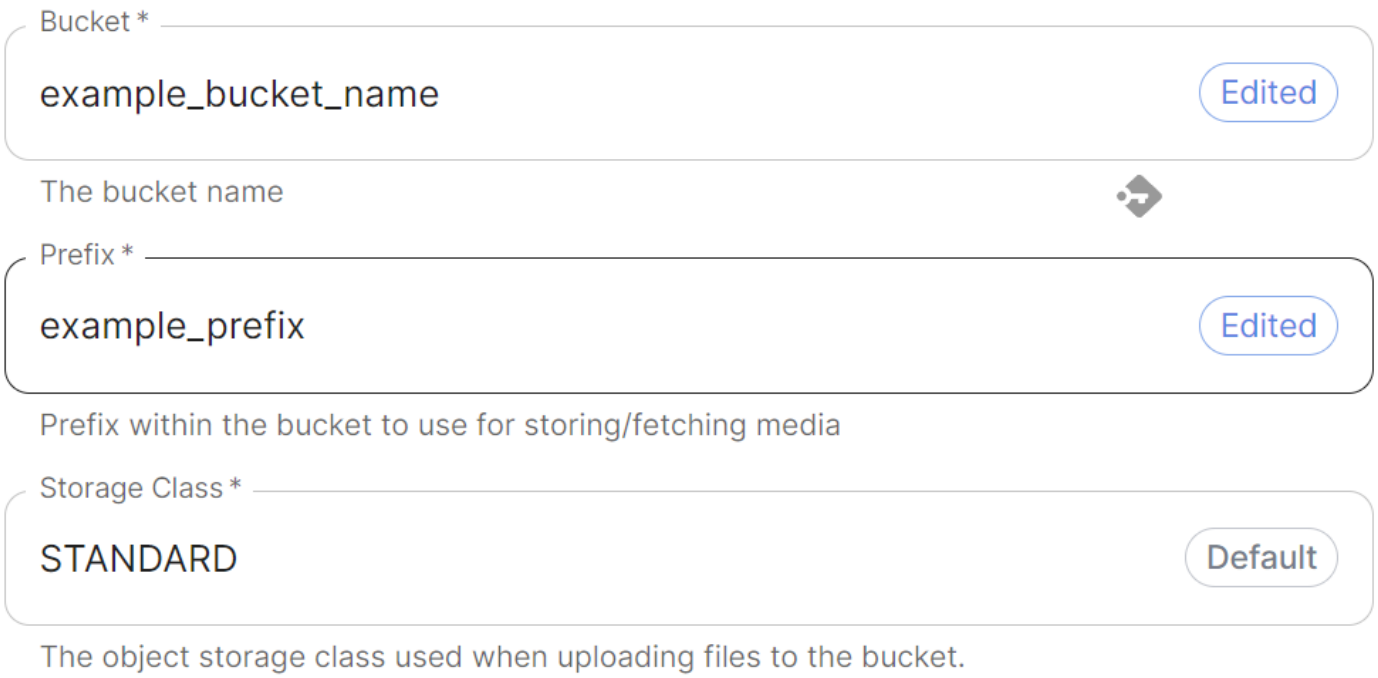


Config Example

```yml 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
```

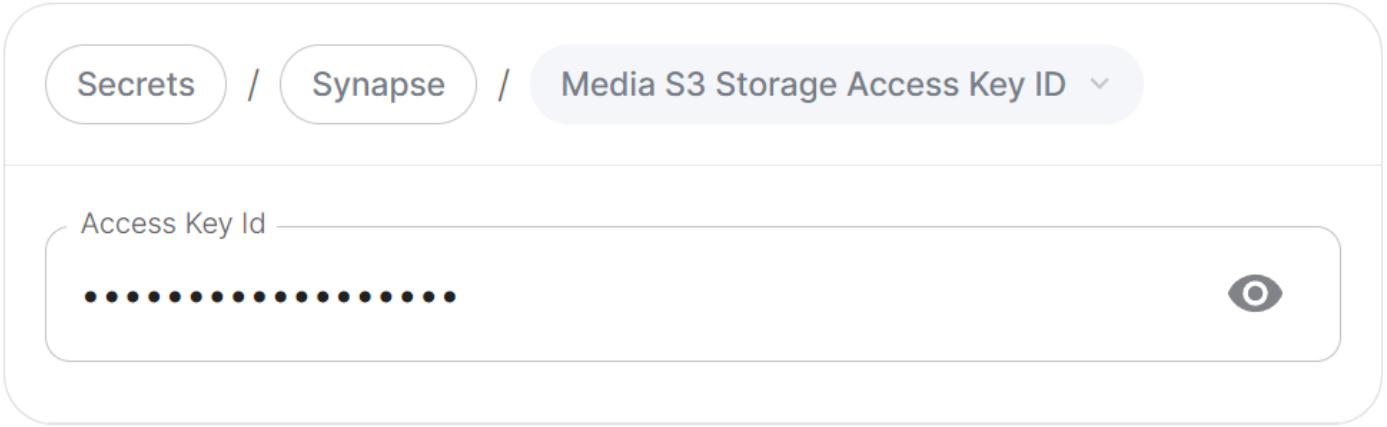


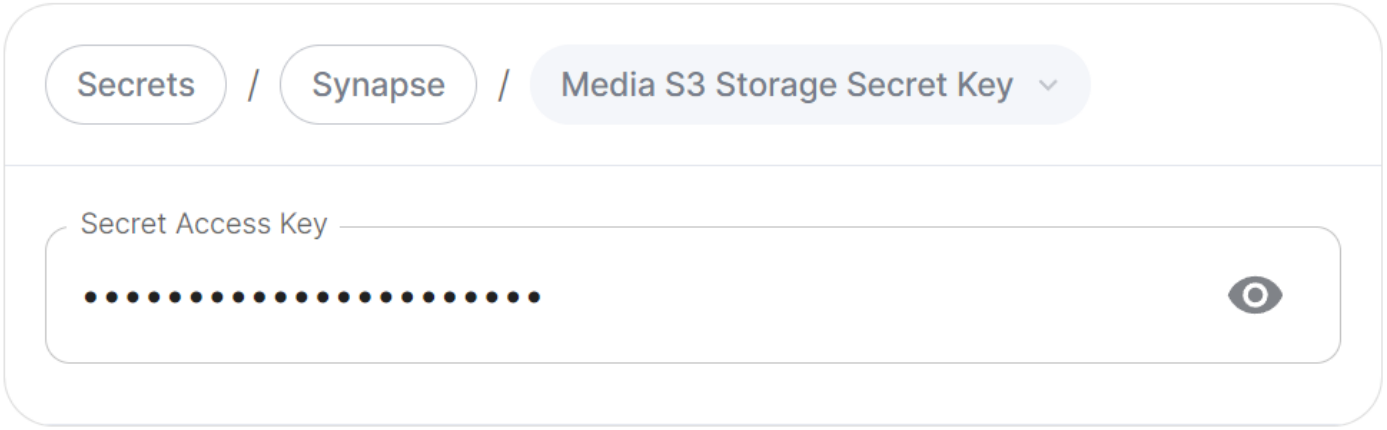
Config Example

```
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





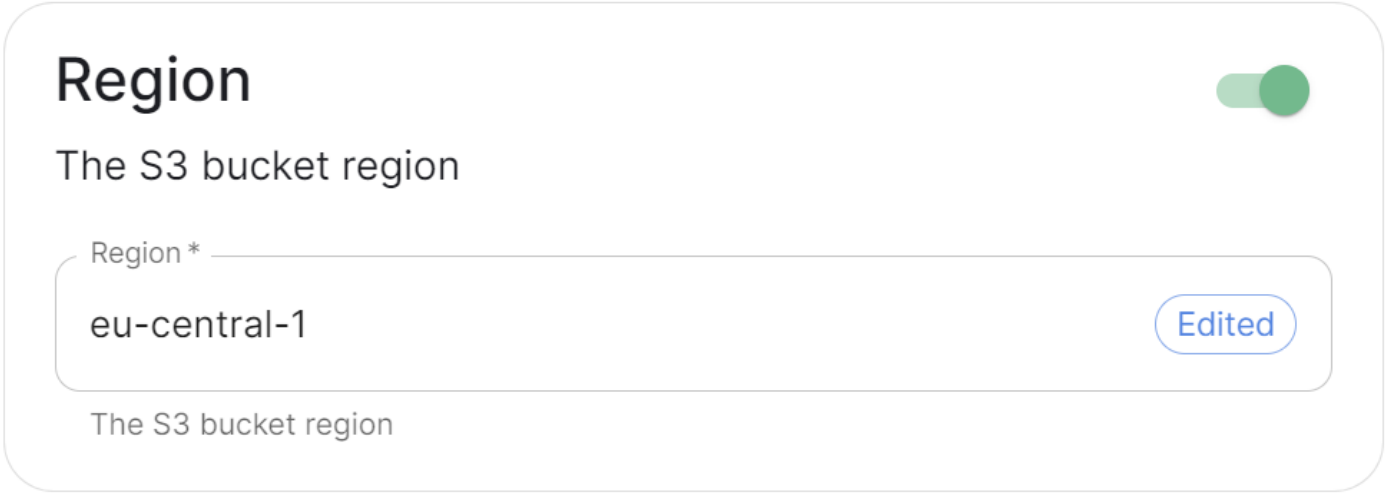
Config Example

- `secrets.yml`

```
apiVersion: v1
kind: Secret
metadata:
  name: synapse
  namespace: element-onprem
data:
  mediaS3StorageAccessKeyId: ZXhhbXBsZWFjY2Vzc2tleWlk
  mediaS3StorageSecretKey: ZXhhbXBsZXNlY3JldGFjY2Vzc2tleQ==
```

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

Region

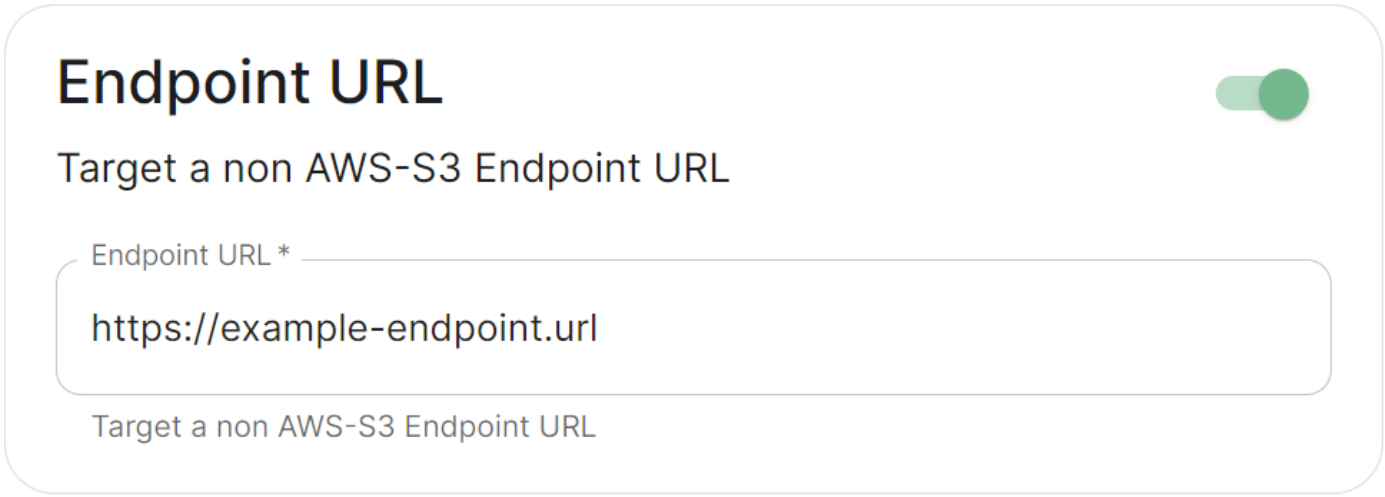


Config Example

```
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

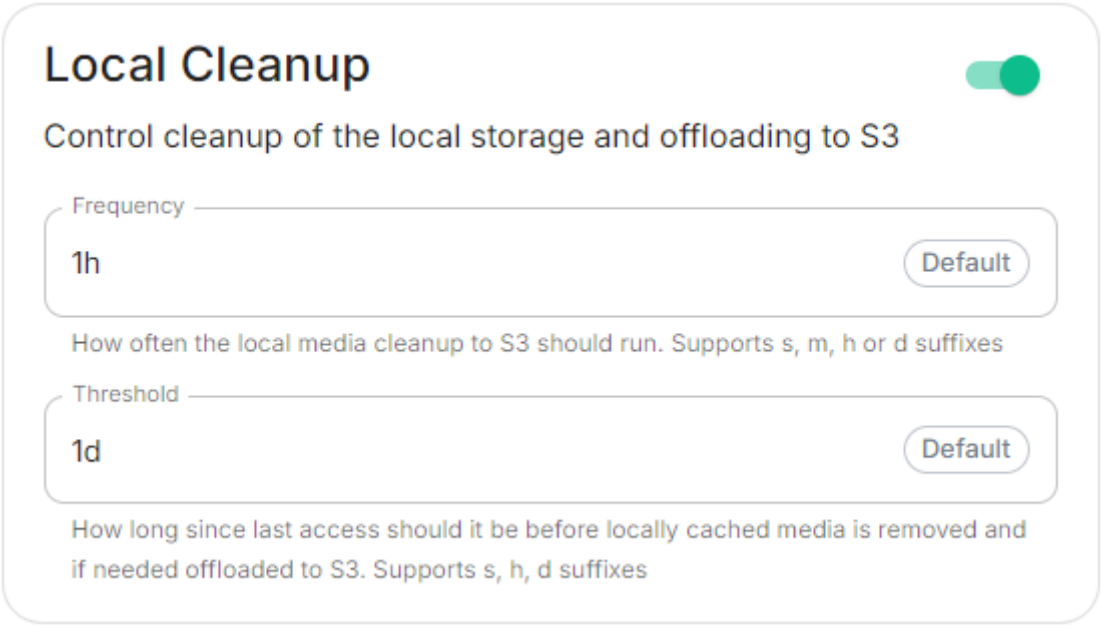


Config Example

```
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



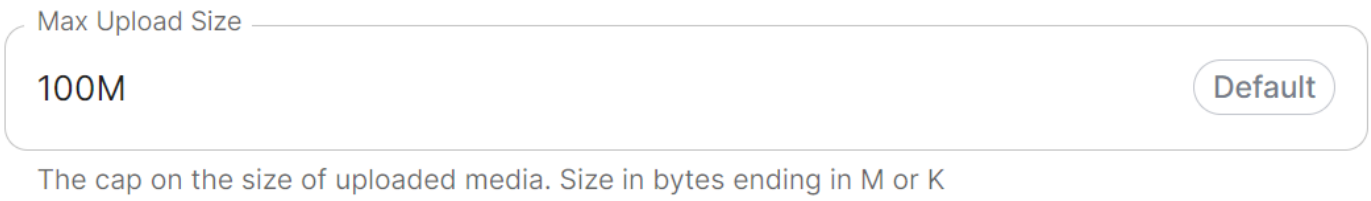
Config Example

```
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



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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