1. Minio functions

* Deploy on docker
* Erasure Code: cho phép khôi phục dữ liệu nếu xảy ra mất mát, lỗi phần cứng (cao nhất n/2 vẫn khôi phục được)
* Distributed: một object có thể lưu trữ phân tán, dữ liệu có thế lưu trữ trên nhiều drives khác nhau (có thể khác máy)
* TLS certificates
* Bucket Notification
* Multi-Tenant Deployment
  + Standalone Deployment
  + Distributed Deployment
  + Cloud Scale Deployment
* MinIO gateway for Azure, Google Cloud Storage, NAS Storage (Chưa hiểu lắm)
* Disk Cache
* Monitoring
* Compression
* Configue Multi-user

1. API - Using minio-js

|  |  |
| --- | --- |
| **Bucket operations** |  |
| [makeBucket](https://docs.min.io/docs/javascript-client-api-reference.html#makeBucket) | Creates a new bucket. |
| [listBuckets](https://docs.min.io/docs/javascript-client-api-reference.html#listBuckets) | Lists all buckets. |
| [bucketExists](https://docs.min.io/docs/javascript-client-api-reference.html#bucketExists) | Checks if a bucket exists. |
| [removeBucket](https://docs.min.io/docs/javascript-client-api-reference.html#removeBucket) | Removes a bucket. |
| [listObjects](https://docs.min.io/docs/javascript-client-api-reference.html#listObjects) | Lists all objects in a bucket -> return stream |
| [listObjectsV2](https://docs.min.io/docs/javascript-client-api-reference.html#listObjectsV2) | Lists all objects in a bucket using S3 listing objects V2 API => return stream |
| [listIncompleteUploads](https://docs.min.io/docs/javascript-client-api-reference.html#listIncompleteUploads) | uploaded objects in a bucket => return stream |

|  |  |
| --- | --- |
| **Object operations** |  |
| [getObject](https://docs.min.io/docs/javascript-client-api-reference.html#getObject) | Downloads an object as a stream |
| [getPartialObject](https://docs.min.io/docs/javascript-client-api-reference.html#getPartialObject) | Downloads the specified range bytes of an object as a stream. |
| [fGetObject](https://docs.min.io/docs/javascript-client-api-reference.html#fGetObject) | Downloads and saves the object as a file in the local filesystem. |
| [putObject](https://docs.min.io/docs/javascript-client-api-reference.html#putObject) | Uploads an object from a stream/Buffer. |
| [fPutObject](https://docs.min.io/docs/javascript-client-api-reference.html#fPutObject) | Uploads contents from a file to objectName. |
| [copyObject](https://docs.min.io/docs/javascript-client-api-reference.html#copyObject) | Copy a source object into a new object in the specified bucket. |
| [statObject](https://docs.min.io/docs/javascript-client-api-reference.html#statObject) | Gets metadata of an object. |
| removeObject | Removes an object. |
| removeObjects | Remove all objects in the objectsList. |
| removeIncompleteUpload | Removes a partially uploaded object. |

|  |  |
| --- | --- |
| **Presigned operations** |  |
| [presignedUrl](https://docs.min.io/docs/javascript-client-api-reference.html#presignedUrl) | Generates a presigned URL for the provided HTTP method |
| [presignedGetObject](https://docs.min.io/docs/javascript-client-api-reference.html#presignedGetObject) | Generates a presigned URL for HTTP GET operations |
| [presignedPutObject](https://docs.min.io/docs/javascript-client-api-reference.html#presignedPutObject) | With method PUT |
| [presignedPostPolicy](https://docs.min.io/docs/javascript-client-api-reference.html#presignedPostPolicy) | With method POST |

|  |  |
| --- | --- |
| **Bucket Policy & Notification operations** |  |
| [getBucketNotification](https://docs.min.io/docs/javascript-client-api-reference.html#getBucketNotification) | Get configure notify of bucket |
| [setBucketNotification](https://docs.min.io/docs/javascript-client-api-reference.html#setBucketNotification) | Set configure notify of backget |
| [removeAllBucketNotification](https://docs.min.io/docs/javascript-client-api-reference.html#removeAllBucketNotification) | Remove all configure |
| [getBucketPolicy](https://docs.min.io/docs/javascript-client-api-reference.html#getBucketPolicy) | Get the bucket policy |
| [setBucketPolicy](https://docs.min.io/docs/javascript-client-api-reference.html#setBucketPolicy) | Set the bucket policy |
| [listenBucketNotification](https://docs.min.io/docs/javascript-client-api-reference.html#listenBucketNotification) | Listen notify from bucket |

1. Hardware

* Memory (RAM) 512 MB.
* Disk