

Working with Files in S3 Using the High-level Model



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Overview



High Level vs. Low Level API

**Registering and Injecting Our
IFilesRepository**

Amazon S3 File Interactions

- Add Files
- List Files
- Download Files
- Delete Files
- Add JSON Object
- Get JSON Object

Use Postman to Test Our Application



High Level vs. Low Level API



High Level API

Provides a higher level of abstraction



Low Level API

Requires you to write more code



High Level vs. Low Level API



The low-level API requires you to write more code



The high-level API provides a higher level of abstraction



The low-level API gives you greater control when dealing with objects

Demo



Register our IFilesRepository

Dependency inject the IFilesRepository



Transfer Utility

High Level Utility

Provides a high-level utility for managing transfers to and from Amazon S3

Multipart Uploads

Makes extensive use of Amazon S3 multipart uploads

Multiple Thread Uploads

Will use multiple threads to upload multiple parts of a single upload at once



Demo



Add Files to an Amazon S3 Bucket



Demo



List Files from inside our Amazon S3 Bucket



Demo



Download Files from our Amazon S3
Bucket



Demo



Delete Files from our Amazon S3 Bucket



Demo



Add JSON Objects into our Amazon S3 Bucket



Demo



Get JSON Objects from our Amazon S3 Bucket



Summary



High Level

- Allows us to write less code
- Provides a higher level of abstraction

Added the Ability To

- Add Files
- List Files
- Download Files
- Delete Files
- Add JSON Object
- Get JSON Object

Used Postman to Test Our Application

