# Introduction

**MTOM** stands for **M**essage **T**ransmissionand **O**ptimization **M**echanism is a standard from SOAP web services to exchange files. This standard is used to compress the files that are exchanged. The earlier standard, which is WS Attachments, is now a legacy. To handle this standard, we need to use a data type called **DataHandler.** By default, MTOM standard is not enabled so we need to enable it using the binding way in our configuration.

# Create the MTOM Project

By creating a simple spring boot project with the needed dependencies.

# Create the FileWs Interface

We will create the file web service interface, which is the key interface in our application. It contains two methods

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Methods** | | | | **Description** |
| **Name** | **Description** | **Input Type** | **Output Type** |
| **upload** | To upload the file | DataHandler |  | CXF will serialize the incoming file |
| **download** | To download the file |  | DataHandler | CXF will deserialize back the file and give it to the client. |

# Create the FileWsImpl

# Implement the download method

# Publish the endpoint

# Test using SoapUI