Steps to publish new model configuration to model catalog.

1. **Creating a new metadata.yaml file**:
   a. For publishing into the model catalog in addition of wings-component.yaml, you would have to create a metadata.yaml for additional information which are required in model configuration but not present in wings file. For Example: variables, regions, etc.
   b. Metadata.yaml file is similar to wings-component.yaml file but it contains information regarding all the other additional information required for model-configuration.
   c. It should have a **wingsId** field which is concatenation of "wingsName" - "wingsVersion" present in the wings-component.yaml file, this would be required to check if the given metadata file corresponds to the right wings component.
   d. For Example: - If wings-component.yaml has "economic" as the name and "2.0.0" as the version then wingsId field in the metadata.yaml should be "economic-2.0.0".
   e. **Adding a data which are already in the model-catalog**: If you want to add the existing data into the model catalog then make sure to write correct Id of the corresponding data into the metadata.yaml file.
   f. **Adding a new data into model-catalog**: If you want to add a new data to model configuration then write all the information regarding that new data. **Do not** write the Id field. After publishing metadata.yaml would already create Ids for those data which does not have Id, by creating new entry into the model catalog.
   g. A complete example of meatadata.yaml file can be found in repository under the folder economic-2.0.0/metadata.yaml.

2. **Validating a created metadata.yaml file**:
   a. This step is to make sure that what you have created is correct by validating with the required schema of wings and metadata.
   b. Make sure you have both the files ready namely, wings-component.yaml and metadata.yaml.

    c. Run the command "wcm validate –profile default "path for wings-component.yaml" "path for metadata.yaml".

    d. If both files are correct it will give no error.

    e. If any of the files have errors, it will print those errors so that you can correct them before publishing.

3. **Publishing into the model catalog**:

    a. Initially you have to run wcm configure-mint-api and enter your crednetials. Remember this is the account where it will get published.

    b. For publishing into the model catalog, you will have to run the following command:
    wcm pubish –apiprofile default -sc economic-2.0.0

    c. In above command "economic-2.0.0 is the directory path to the model where necessary files have been kept.