

# Interesting Experiments

You will have a firm grasp on your knowledge and understanding of the concepts you've seen by performing these interesting experiments!

- Change the thumbnail conversion application to use the AWS Systems Manager Parameter Store to configure the thumbnail width, allowed upload size and supported file types. Define hierarchies of settings for development, testing, and production, and provide the environment as a parameter to CloudFormation during deployment.
- Split the thumbnail conversion application SAM template into several nested stacks. Use one stack to deploy the ImageMagick layer and the conversion function, and another stack to set up the web API. Use template outputs and parameters to configure resources. Create a main stack file that just connects the modules together.