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## stable-diffusion-webui-api

## Overview

In this notebook, we will explore how to build generative fill application and host Stable Diffusion/ ControlNet / segment anything models on SageMaker asynchronous endpoint using DLC container.

You will find 2 Jupyter Notebooks: 1 for running with Amazon SageMaker Studio and 1 for running with Amazon SageMaker Notebook.

## IAM role recommendations

- 1. Running with Amazon SageMaker Studio
- Permissions policies

```
AmazonSageMakerFullAccess
AmazonEC2ContainerRegistryFullAccess
AWSCodeBuildAdminAccess
IAMFullAccess
```

· Trusted entities

Tested image, kernel, and instance:

```
image: Pytorch 2.0.1 Python 3.10 CPU Optimized
kernel: Python 3
instance: ml.m5.4xlarge
```

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- 2. Running with Amazon SageMaker Notebook
- · Permission Policies

```
AmazonSageMakerFullAccess
AmazonEC2ContainerRegistryFullAccess
```

· Trusted entities

Tested kernel:

```
kernel: conda_pytorch_p310
```

## Note

- 1. You may need to adjust IAM roles definition to achieve fine grained access control.
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