SEND FEEDBACK

12. Mini-Project: Solution

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17. Summary

## A. AWS Service Utilization Quota (Limits)

SageMaker Instance Utilization Limits

You need to understand the way AWS imposes utilization quotas (limits) on almost all of its services. Quotas, also referred to as limits, are the maximum number of resources of a particular service that you can create in your AWS account.

- AWS provides default quotas, for each AWS service.
- Importantly, each quota is region-specific.
- There are three ways to **view your quotas**, as mentioned here: 1. Service Endpoints and Quotas,
  - 2. Service Quotas console, and
  - 3. AWS CLI commands list-service-quotas and
- list-aws-default-service-quotas • In general, there are three ways to **increase the quotas**:

1. Using *Amazon Service Quotas* service - This service

- consolidates your account-specific values for quotas across
  - all AWS services for improved manageability. Service Quotas is available at no additional charge. You can directly try logging into Service Quotas console here. 2. Using AWS Support Center - You can create a case for
    - support from AWS. 3. AWS CLI commands -
    - request-service-quota-increase

### You can view the Amazon SageMaker Service Limits at "Amazon

for AWS services from one central location

A.1. Amazon SageMaker Utilization Quota (Limits)

the AWS Sagemaker quota using the AWS Support Center only. Note that currently the Amazon Service Quotas does not support SageMaker service. However, SageMaker would be introduced soon into Service Quotas. AWS is moving to make users manage quotas for all AWS services from one central location. Introducing Service Quotas: View and manage your quotas

SageMaker Endpoints and Quotas" page. You can request to increase

With Service Quotas, you can view and manage your quotas easily and at scale as your AWS workloads grow. Quotas, also referred to as limits, are the maximum number of resources that you can create in an AWS account. AWS implements quotas to provide highly available and reliable service to all customers, and protect you from unintentional spend. Each quota starts with an AWS default value. Based on your needs, you can request to increase quota values for your specific account Service Quotas consolidates the AWS default values and your account specific values for quotas across AWS services in one single location, providing you with improved visibility. At launch, you can view default quotas for over 90 AWS services, with more coming Service Quotas makes the process of requesting quota increases easier. You simply search for a quota and put in your desired value to submit a quota increase request. You can proactively manage your quotas by configuring Amazon CloudWatch alarms that monitor usage and alert you to approaching quotas. SageMaker would be introduced soon into Services Quota - Courtesy -Amazon Service Quotas

A.2. Increase Sagemaker Instance Quota (Limit) using AWS **Support Center** 

Read the note and recommendation below before proceeding further.

Note

Suppose a student has a quota of 20 instances of ml.m4.xlarge

# by default, they would not notice it unless they run the notebook

that uses that instance. Now, if they go to the AWS Support Center, to request a service limit increase by 1, their instance limit will be degraded from 20 to 1. Recommendation 1. For ml.m4.xlarge - The default quota would be any number in

the range [0 - 20]. Students can expect an error -

anytime.

Products Solutions Pricing Documentation Learn Partner Network AWS Market AWS Management Console Overview Features FAQs

Open support cases

Account and billing O

Assistance with account and billing-related inquiries

support

Limit type

Q sage

Requests

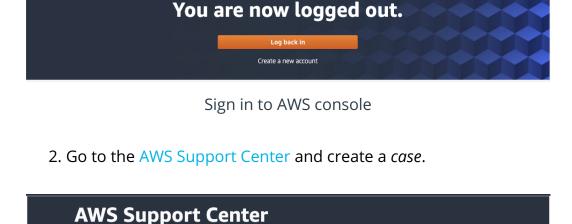
Request 1

SageMaker

Select or search

SageMaker Ground Truth

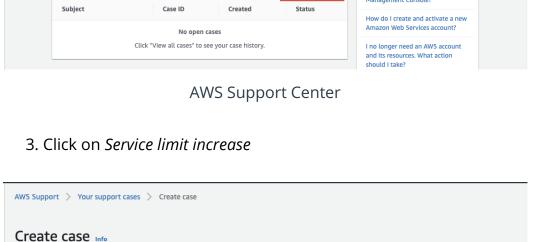
- 'ResourceLimitExceeded', when executing the notebook in the concept Boston Housing Problem - Training The Model, later in this lesson. In such a case only, the student must request a limit increase for ml.m4.xlarge 2. For ml.p2.xlarge - The default quota would be either 0 or 1, therefore it is alright to go ahead and request an increase
- 1. Sign in to AWS console https://aws.amazon.com/console/ aws



Click here to create a case View all cases

Helpful articles 🖸

How do I sign in to the AWS



Service limit increase O Technical support Requests to increase the Service-related technical issues

Unavailable under the Basic Support Plan

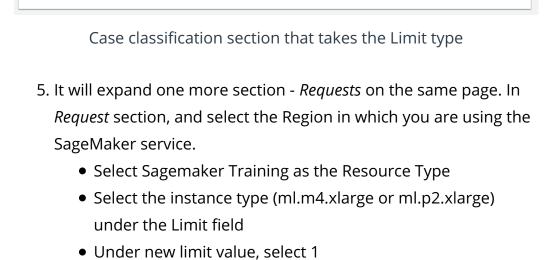
service limit of your AWS

4. It will expand three sections - Case classification, Case description, and Contact options on the same page. In Case classification section, select **"Sagemaker"** as the *Limit type*. Case classification

 $\blacktriangle$ 

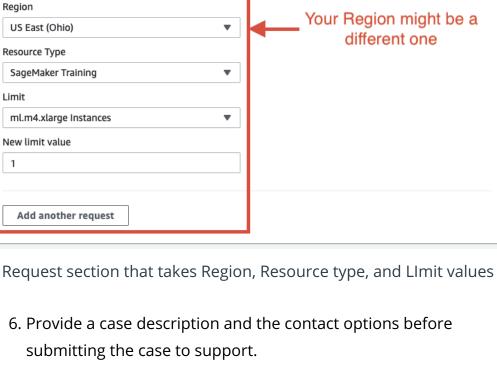
×

Create a case for support

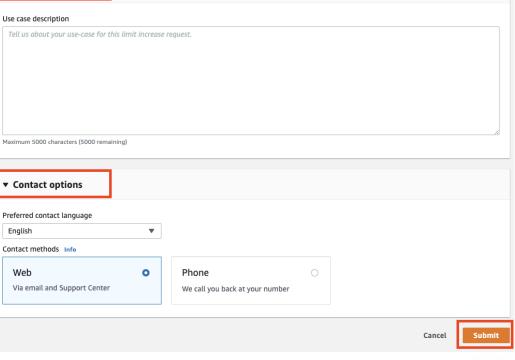


To request additional limit increases for the same limit type, choose Add another request. To request an increase for a different limit type, create a separate limit increase request.

Remove



**Case description** 



IMPORTANT NOTICE: This is the current AWS UI as of April 6th, 2020. The AV UI is subject to change on a regular basis. We advise students to refer to AV. documentation for the above process.

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