**AWS Quicksight session embedding**

**Objective:** This document explains the various steps in embedding the quicksight session in the react app

**Introduction:** We are getting the quick sight embedding link using the aws sdk in the AWS lambda (python code). Deployed this lambda using the API gateway. And we are calling this API gateway in the react app, the retuned embed link will be loaded in the iframe. And this react app is hosted in the cloudfront

**AWS Lambda:**

* The AWS lambda python code which will get the quicksight embed link can be found in the below link. <https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/get-qs-embed-url?tab=code>
* As of now the parameters like UserArn and quick sight initial path are hardcoded in the python code. They can be made as the environment parameters in lambda as per the need.

**AWS API Gateway:**

* API Gateway used for this can be found in the below link <https://ap-south-1.console.aws.amazon.com/apigateway/main/api-detail?api=e9o4jn8d9k&region=ap-south-1&stage=$default>
* If there is a change in the config (cloudfront link or lambda link or quicksight link), We should add the cloudfront link, lambda link and the quicksight link under the CORS section of this API gateway. Please refer the below link for more details. <https://docs.aws.amazon.com/prescriptive-guidance/latest/patterns/embed-an-amazon-quicksight-dashboard-in-a-local-angular-application.html>
* The Gateway which needs to be called from the react code is - <https://e9o4jn8d9k.execute-api.ap-south-1.amazonaws.com/get-qs-embed-url>
* This will return the embedding url. And it has been loaded to the iframe.

**AWS Quicksight:**

* We need to add the cloudfront link as well as the lambda link to the quicksight embedding link in the below link (whenever there is a change in these links) <https://us-east-1.quicksight.aws.amazon.com/sn/admin#embedding> Please refer the below link for more details. <https://docs.aws.amazon.com/prescriptive-guidance/latest/patterns/embed-an-amazon-quicksight-dashboard-in-a-local-angular-application.html>

**AWS Cloudfront:**

* The react web app has been hosted in the cloudfront. First the web app has been built and it has been uploaded to the following Amazon’s S3 bucket. <https://s3.console.aws.amazon.com/s3/buckets/soliton-react-app?region=us-east-1&tab=objects>
* The AWS cloudfront link where the webapp is hosted can be found in the below link <https://d2br864doxeh85.cloudfront.net>