# AMAZON Group and Policies Setup

**Purpose**: This document talks about various groups and policies we are going to setup to address access to the Amazon Console. Right now there is a Power Developer group which allows to do everything. Other groups like DeVSQSFullAccess, DevSNSFullAccess and DevS3FullAccess are there. But they are not working the way they are intended for. Their policies are primitive and if we add users to these groups users are not able to click on SQS, SNS and S3, as they are getting permission denied error. We need to expand these policies to address the issue.

We are proposing following groups to address the issue.

**DevFullAccess**: As Dev environment meant for full access to the developers. This group policy looks like as follows. We are putting the proposed policy here to give general idea on how we are progressing to do this.

{

"Version": "2012-10-17",

"Statement": [

{

"Effect": "Allow",

"Action": [

"sqs:ListQueues"

],

"Resource": "\*"

},

{

"Action": [

"sqs:\*"

],

"Effect": "Allow",

"Resource": "arn:aws:sqs:\*:390037866200:\*-DEV"

},

{

"Effect": "Allow",

"Action": [

"s3:\*"

],

"Resource": [

"arn:aws:s3:::\*-Dev"

]

},

{

"Action": [

"sns:ListTopics"

],

"Effect": "Allow",

"Resource": "arn:aws:sns:\*:390037866200:\*"

},

{

"Action": [

"sns:\*"

],

"Effect": "Allow",

"Resource": "arn:aws:sns:\*:390037866200:\*-DEV"

},

{

"Effect": "Allow",

"Action": [

"iam:ChangePassword",

"iam:GetAccountPasswordPolicy"

],

"Resource": "\*"

}

]

}

**DevFullAccess:** In this group will allow everything on Dev queues, Dev SNS and Dev S3 buckets. We are going to add all the developers to this group. They should be create new SQS queues, S3 Buckets and SNS Topics.

**TestReadAccess**: In this group we will set up the policy so that developers can read messages in the queues in all test queues. They can’t write to the queues. They can’t create new queues as well.

**TestReadWriteAccess:** In this group we will set up the policy so that developers can write messages to the queues. But they can’t create new queues. For new queues developers need to approach the user who belongs to PowerDeveloper group.

**TestAdminGroup:** This group is like DevFullAccess group for test environment. Users belong to this group will be able to do everything in test environment.

**ProdReadAccess:** In this group we will set up the policy so that developer can read messages in the queues in all prod queues. They can’t write to the queues. They can’t create new queues as well.

**ProdAdminAccess:** This group is like DevFullAccess for prod environment. Users belong to this group will be able to do everything in prod environment.