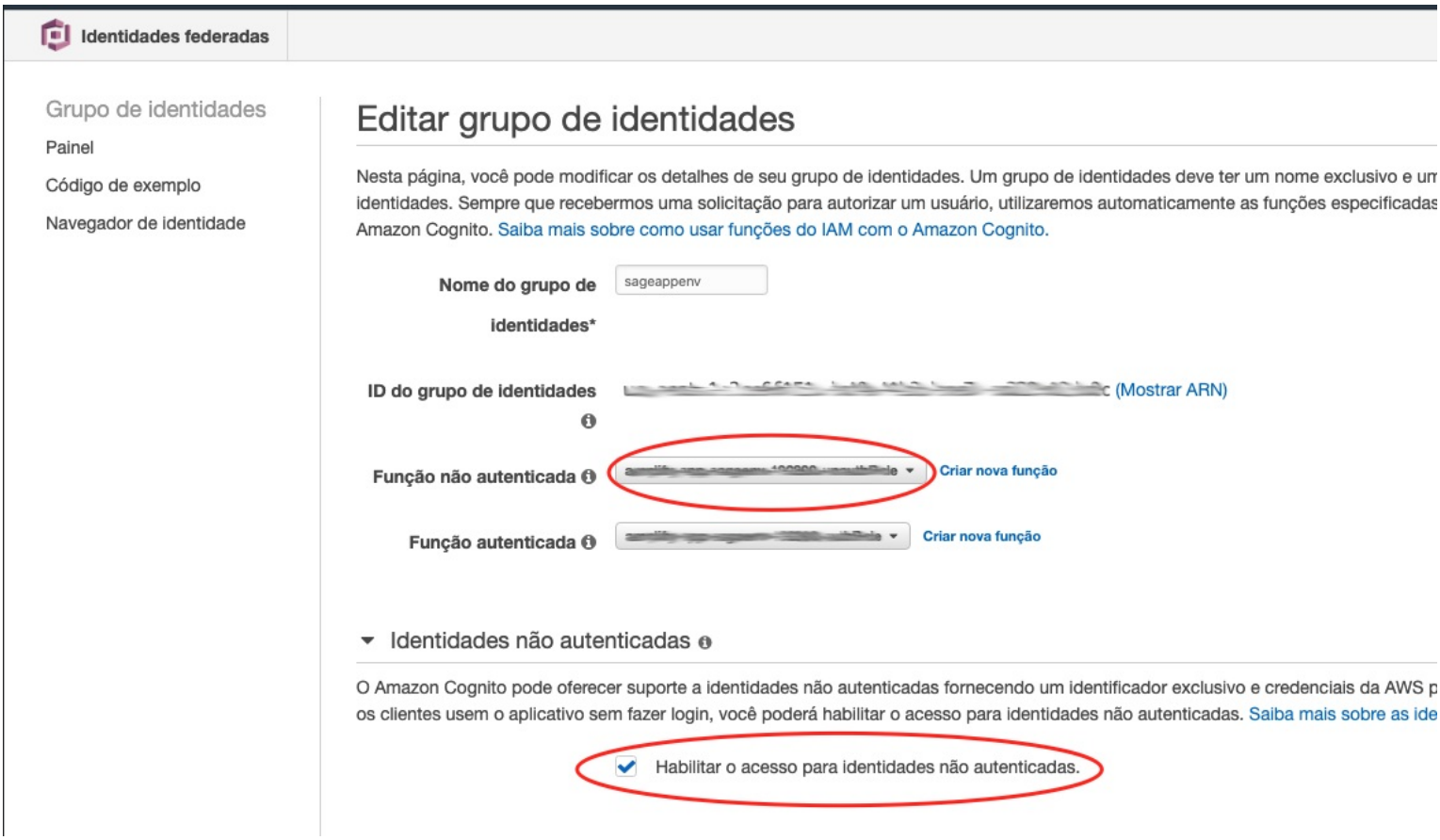
ARTIGO: 11910
Amazon S3 + IAM + Cognito

Referência: https://medium.com/@haydnjmorris/uploading-photos-to-aws-s3-getting-started-with-cognito-and-iam-c96ba5b5496d

1 - No Amazon Cognito criar novo Grupo de Identidade - https://console.aws.amazon.com/cognito/federated/?region=us-east-1
2 - Editar grupo de entidade:
- Habilitar acesso para identidades não autenticadas
- Verifique o nome da função não autenticada, ela é a função do IAM usada na permissão do bucket



3 - Permissões do Bucket

```
{
    "Version": "2012-10-17",
    "Id": "Policy1584367912934",
    "Statement": [
        {
            "Sid": "Stmt1584367892876",
            "Effect": "Allow",
            "Principal": {
                "AWS": [
                    "arn:aws:iam::{user-id}:user/{user-name}", //user role ARN
                    "arn:aws:iam::{user-id}:role/{unauthRole}" // unautRole ARN
                ]
            },
            "Action": "s3:*",
            "Resource": "arn:aws:s3:::bucket-name/*"
        }
    ]
}
```

Android acesso ao Bucket

```
class AwsS3Sync(val activity: Activity): AsyncTask<Any, Any, Any>() {

  override fun doInBackground(vararg params: Any?): Any? { // Initialize the Amazon Cognito credentials provider
    val credentialsProvider =
        CognitoCachingCredentialsProvider(
            activity.applicationContext,  // Application Context
            "identity pool id",  // Identity Pool ID
```

```
            Regions.US_EAST_1 // Region enum,

        )
    val s3Client =
        AmazonS3Client(credentialsProvider, Region.getRegion(Regions.US_EAST_1))
    val fileToUpload: File = File(activity.filesDir, "sample.txt")

     val writer = FileWriter(fileToUpload)
     writer.append("Howdy World!")
     writer.close()
    //(Replace "MY-BUCKET" with your S3 bucket name, and "MY-OBJECT-KEY" with whatever you would like to name the file in S3)
    val putRequest = PutObjectRequest(
        "bucket-name",

        "sample15.txt",
        fileToUpload
    )
    val putResponse: PutObjectResult = s3Client.putObject(putRequest)

     //Log.i("AWS", putResponse.)

    val getRequest = GetObjectRequest("bucket-name", "sample15.txt")
    val getResponse: S3Object = s3Client.getObject(getRequest)
    val myObjectBytes: InputStream = getResponse.getObjectContent()
    // Do what you want with the object
    myObjectBytes.close()
    return null
  }
}
```