**How to create a custom IAM policy and test it with an IAM user**

**Step 1: Create the custom IAM policy**

1. Go to the AWS Management Console and sign in to your AWS account.
2. In the navigation pane, choose IAM.
3. In the navigation pane, choose Policies.
4. Choose Create policy.
5. Choose the JSON policy editor.
6. In the Policy Document editor, paste the following JSON policy document:

JSON

{

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

"Statement": [

{

"Effect": "Allow",

"Action": [

"s3:ListBuckets"

],

"Resource": "\*"

}

]

}

1. Choose Next.
2. On the Review and create policy page, enter a name and description for your policy.
3. Choose Create policy.

**Step 2: Attach the custom IAM policy to an IAM user**

1. In the navigation pane, choose Users.
2. Choose the name of the IAM user that you want to attach the policy to.
3. Choose Permissions.
4. Choose Attach policies.
5. In the Available policies list, select the name of your custom policy.
6. Choose Attach.

**Step 3: Test the custom IAM policy**

1. Sign in to the AWS Management Console using the IAM user that you attached the policy to.
2. In the navigation pane, choose S3.
3. In the Buckets list, you should see a list of all of the S3 buckets in your account.

This confirms that the custom IAM policy is working as expected.