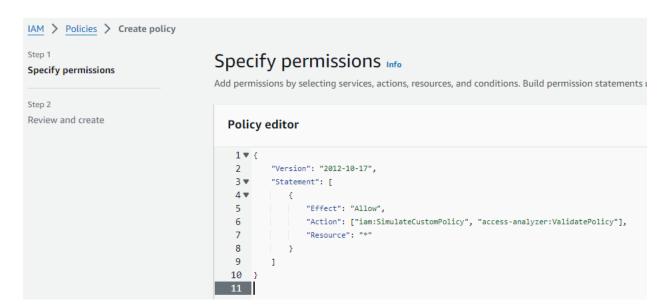
Setup the environment

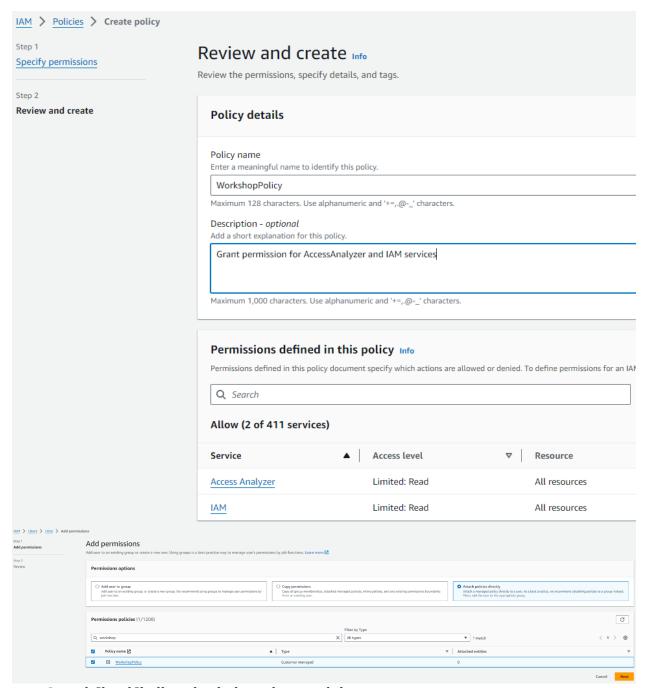
In my journey as an AWS-certified professional, I've embarked on several exciting projects that really showcase my dedication to enhancing cloud security and making sure our operations run smoothly. Here's a quick look at four key policies I put together, each designed to tackle specific security and operational challenges:

- 1. Control who has permissions to access a resource through a resource-based policy, and scoping down access using a global condition context key
- 2. Control access to sensitive resources using tags through a SCP
- 3. Restrict the types of EC2 instances that a principal is allowed to launch through an identity-based policy
- 4. Ensure AWS services access your resources only on your behalf by adding conditions to a resource-based policy

Services used: IAM, Access Analyzer, S3, SNS

1. I created a policy to grant permissions for those required for this labs: iam:SimulateCustomPolicy and access-analyzer:ValidatePolicy; and added it to my IAM user:





I used CloudShell to check the policies validity.

2. I downloaded and installed the tool using the below commands:

- curl 'https://static.us-east-1.prod.workshops.aws/public/8f8433eb-bd06-44bb-a9ef-9da1a03cd419/assets/eval_policy-0.0.33-py3-none-any.whl' --output eval_policy-0.0.33-py3-none-any.whl
- pip install eval_policy-0.0.33-py3-none-any.whl

3. Verify the tool was correctly installed by running this command:

- eval-policy --version

```
Cloudshell user@ip-10-130-67-115-]$ curl 'https://static.us-east-1.prod.workshops.aws/public/8f8436b-bd86-44bb-a9ef-9dala83cd419/assets/eval_policy-0.0.33-py3-none-any.whl' --output eval_policy-0.0.33-py3-none-any.whl % Total % Received % Mferd Average Speed Time Time United England Total Speed Time Time United England Speed Time Speed Time Time United England Speed Time Speed Spee
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All done, now we can create and validate the policies.