

Restrict CodePipeline Access to Dev Only - Setup Guide + Verification

Overview

- This guide configures IAM permissions so developers can only access the Dev pipeline, protecting the Production pipeline from unauthorized access.

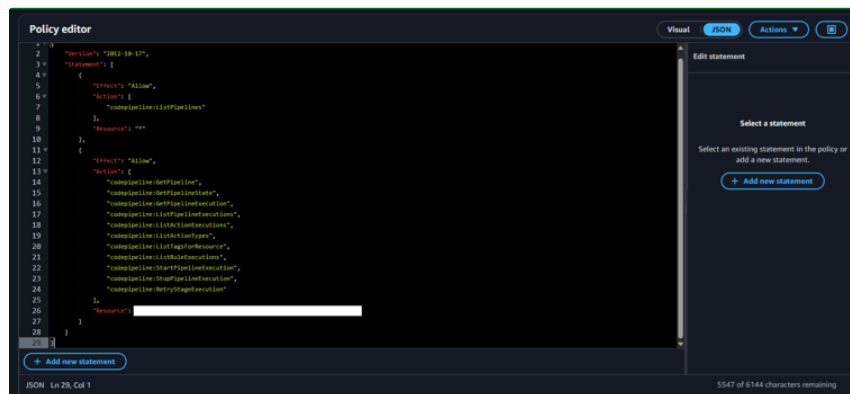
[Overview](#)

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Step 1: Edit IAM Policy

codepipeline:ListPipelines does not support resource-level restrictions. It requires **"Resource": "*"** and will show all pipelines. Instead, we restrict all other permissions to the specific Dev pipeline only.



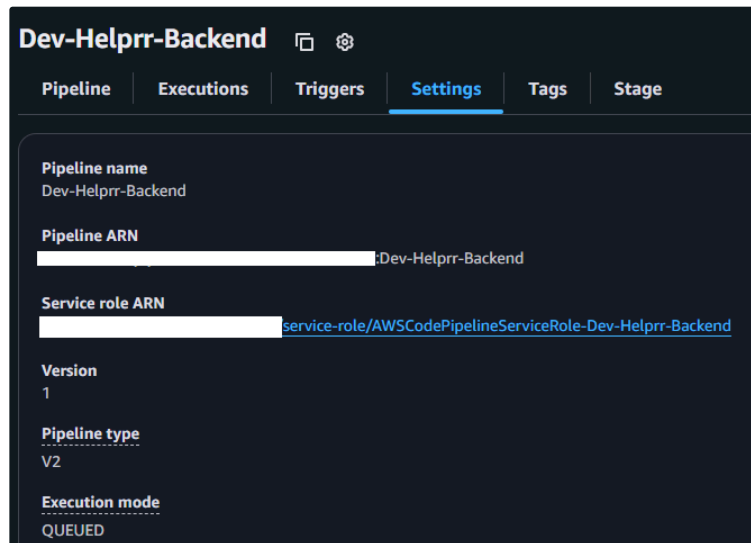
How it should look after applying the JSON file provided below

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Action": [
7         "codepipeline:ListPipelines"
8       ],
9       "Resource": "*"
10    },
11    {
12      "Effect": "Allow",
13      "Action": [
14        "codepipeline:GetPipeline",
15        "codepipeline:GetPipelineState",
16        "codepipeline:GetPipelineExecution",
17        "codepipeline:ListPipelineExecutions",
18        "codepipeline:ListActionExecutions",
19        "codepipeline:ListActionTypes",
20        "codepipeline:ListTagsForResource",
21        "codepipeline:ListRuleExecutions",
22        "codepipeline:StartPipelineExecution",
23        "codepipeline:StopPipelineExecution",
24        "codepipeline:RetryStageExecution"
25      ],
```

```

26         "Resource": "{CodePipeline's Pipeline ARN Value, not
27         Service role ARN}"
28     }
29 }

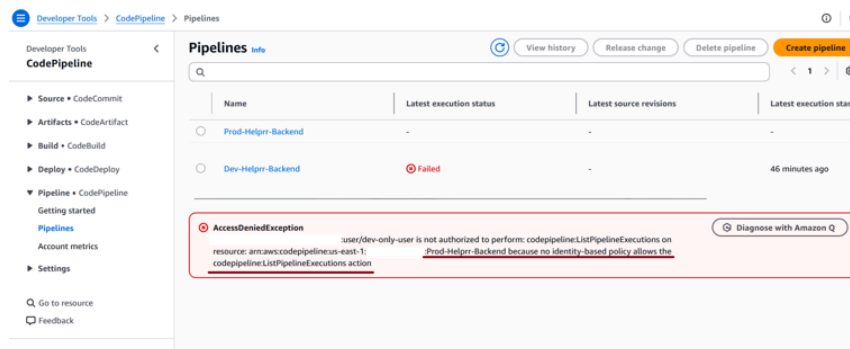
```



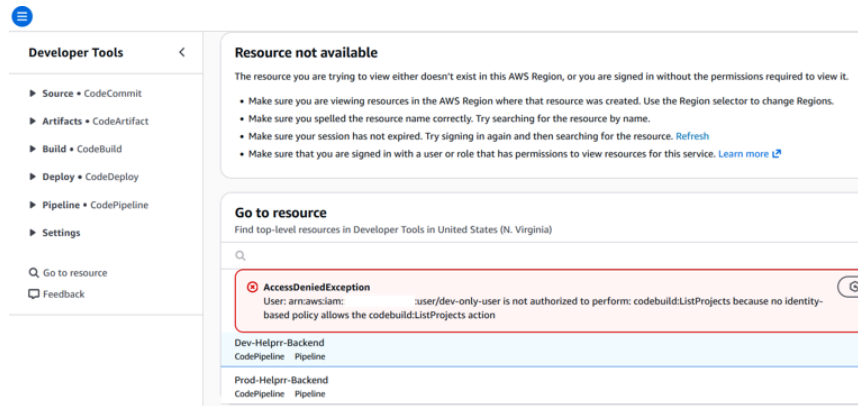
Copy Pipeline ARN value, not Service role ARN

Step 2: Verify Access Restriction

- **Pipeline List View:** `AccessDeniedException` appears for `Prod-Helpr-Backend` because `ListPipelineExecutions` is automatically called for all visible pipelines.



- **Clicking Prod Pipeline:** User receives "Resource not available" page, confirming access is blocked.



- **Clicking Dev Pipeline:** Full access - pipeline details display normally

