

AWS IoT

Monitor

► Onboard

► Manage

► Greengrass

▼ Secure

Certificates

**Policies**

CAs

Role Aliases

Authorizers

► Defend

► Act

Test

Software

Settings

Learn

## Policies

Click the Create button

Create

Card

Navigate to Secure -> Policies in the IOT Core service

Set the policy name as  
alexa\_temperature\_policy

### Create a policy

Create a policy to define a set of authorized actions. You can authorize actions on one or more resources (things, topics, topic filters). To learn more about IoT policies go to the [AWS IoT Policies documentation page](#).

Name

Add statements

Policy statements define the types of actions that can be performed by a resource.

Action

Resource ARN

Effect

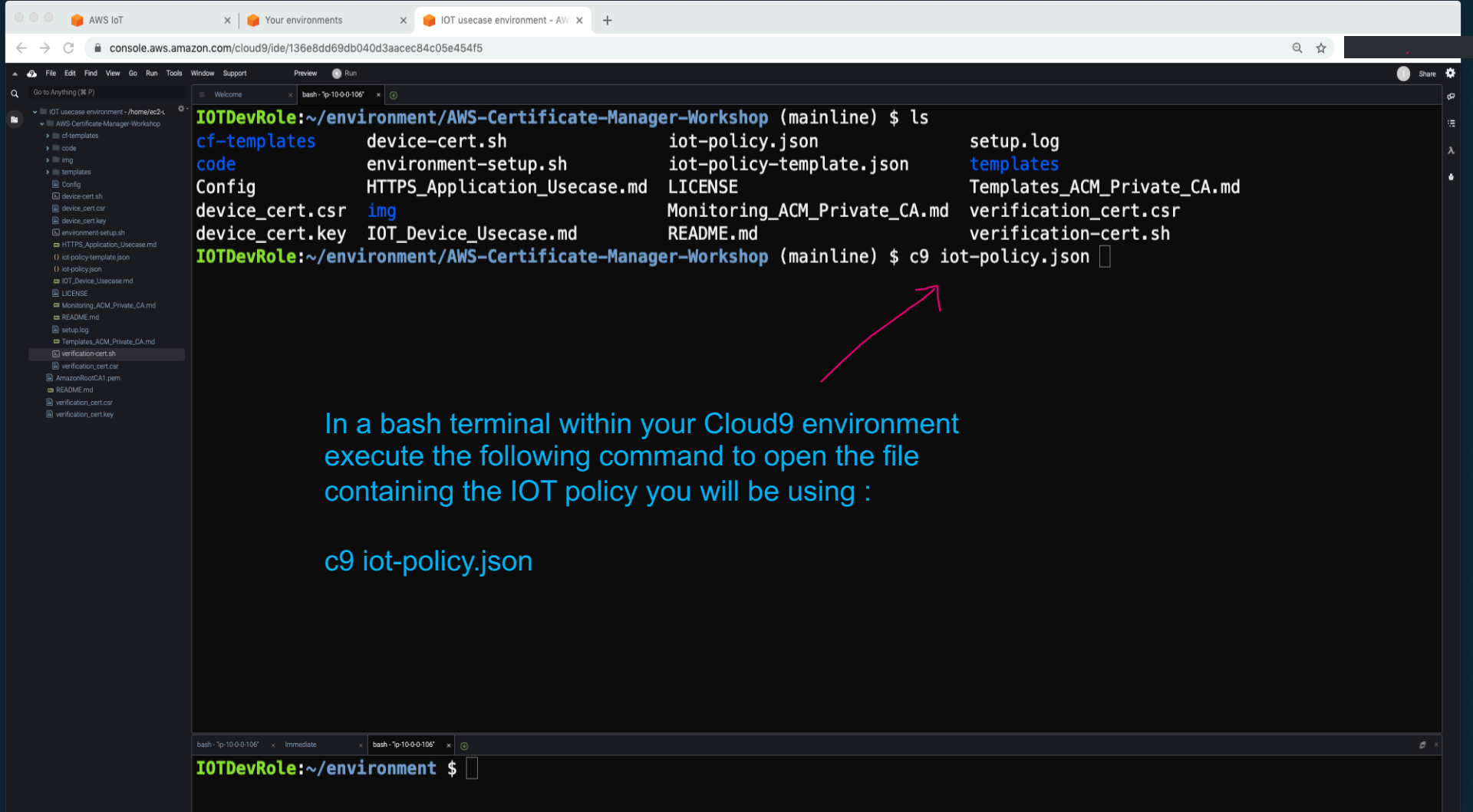
☐ Allow ☐ Deny

Remove

Add statement

Create

Click on Advanced mode to bring  
up the policy editor



```
IOTDevRole:~/environment/AWS-Certificate-Manager-Workshop (mainline) $ ls
cf-templates      device-cert.sh      iot-policy.json      setup.log
code              environment-setup.sh iot-policy-template.json templates
Config            HTTPS_Application_Usecase.md LICENSE              Templates_ACM_Private_CA.md
device_cert.csr   img                 Monitoring_ACM_Private_CA.md verification_cert.csr
device_cert.key   IOT_Device_Usecase.md README.md            verification-cert.sh
IOTDevRole:~/environment/AWS-Certificate-Manager-Workshop (mainline) $ c9 iot-policy.json
```

In a bash terminal within your Cloud9 environment  
execute the following command to open the file  
containing the IOT policy you will be using :

`c9 iot-policy.json`

```
IOTDevRole:~/environment $
```

AWS IoT

Your environments

IOT usecase environment - AWS IoT

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console.aws.amazon.com/cloud9/ide/136e8dd69db040d3aac84c05e454f5

File

Edit

Find

View

Go

Run

Tools

Window

Support

Preview

Run

Go to Anything (⌘ P)

🔍

📁 IOT usecase environment - /home/ec2-user

📁 AWS Certificate Manager Workshop

📁 cf-templates

📁 code

📁 img

📁 templates

📁 Config

📁 device-cert.sh

📁 device-cert.csr

📁 device-cert.key

📁 environment-setup.sh

📁 HTTPS\_Application\_Usecase.md

📁 iot-policy-template.json

📁 iot-policy.json

📁 IOT\_Device\_Usecase.md

📁 LICENSE

📁 Monitoring\_ACM\_Private\_CA.md

📁 README.md

📁 setup.log

📁 Templates\_ACM\_Private\_CA.md

📁 verification-cert.sh

📁 verification\_cert.csr

📁 AmazonRootCA1.pem

📁 README.md

📁 verification\_cert.csr

📁 verification\_cert.key

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```
"Version": "2012-10-17",
"Statement": [
  {
    "Effect": "Allow",
    "Action": "iot:Connect",
    "Resource": "arn:aws:iot:us-east-1:123456789012:client/mydevice"
  },
  {
    "Effect": "Allow",
    "Action": "iot:Publish",
    "Resource": "arn:aws:iot:us-east-1:123456789012:topic/alexa/temperature"
  },
  {
    "Effect": "Allow",
    "Action": "iot:Subscribe",
    "Resource": "arn:aws:iot:us-east-1:123456789012:topicfilter/alexa/temperature"
  },
  {
    "Effect": "Allow",
    "Action": "iot:Receive",
    "Resource": "arn:aws:iot:us-east-1:123456789012:topic/alexa/temperature"
  }
]
```

Cut

Copy

Paste

Select All

File History

Add As Watch Expression

Rename

Jump to Definition

Find References

Run This File

⌘ X

⌘ C

⌘ V

⌘ A

⌘ G C

⌘ R

F3

⌘ F3

⌘ FS

Select the policy content and then right click to Copy it

bash - "ip-10-0-0-106"

Immediate

bash - "ip-10-0-0-106"

🔍

IOTDevRole:~/environment

\$

(642 Bytes)

252

JSON

Spaces: 2

🔍

Paste the policy content  
into the policy editor



## Create a policy

Create a policy to define a set of authorized actions. You can authorize actions on one or more resources (things, topics, topic filters). To learn more about IoT policies go to the [AWS IoT Policies documentation page](#).

Name

alexa\_temperature\_policy

### Add statements

Policy statements define the types of actions that can be performed by a resource.

Basic mode

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Effect": "Allow",  
6       "Action": "iot:Connect",  
7       "Resource": "arn:aws:iot:us-east-1:_____/mydevice"  
8     },  
9     {  
10      "Effect": "Allow",  
11      "Action": "iot:Publish",  
12      "Resource": "arn:aws:iot:us-east-1:_____/alexa/temperature"  
13    },  
14    {  
15      "Effect": "Allow",  
16      "Action": "iot:Subscribe",  
17      "Resource": "arn:aws:iot:us-east-1:_____/filter/alexa/temperature"  
18    },  
19    {  
20      "Effect": "Allow",  
21      "Action": "iot:Receive",  
22      "Resource": "arn:aws:iot:us-east-1:_____/alexa/temperature"  
23    }  
24  ]  
25 }
```

Add statement

Create



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Search policies

alex\_a\_temperature\_po...

Create

Card

On successful creation of the IOT policy it should show up here