



BROWSER/CLOUD BASED IDE

GETTING RID OF YOUR LOCAL IDE

POPULAR WEB/CLOUD BASED IDE

- AWS Cloud9
- Codeanywhere
- Cloud IDE
- Sourcekit
- Kodingen
- Coderun Studio
- ShiftEdit
- Akshell
- Erbix
- Neutron IDE
- Collide
- Orion
- Python Fiddle

AWS CLOUD9

- IDE recently acquired by Amazon and launched on AWS Nov. 30
- Tech specs: Written with JavaScript and back end utilizes Node.js

Cool Features:

- Environment sharing
- Live collaboration
- Integration with other AWS services like Lambda, DynamoDB, etc.
- Repository support (Github, Bitbucket...)



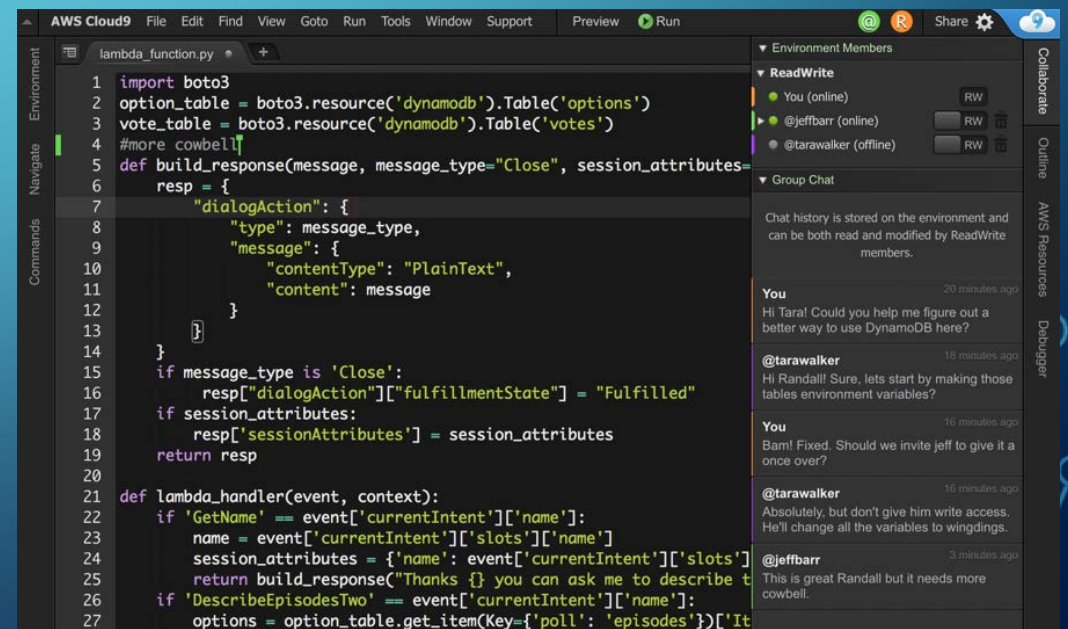
AWS Cloud9

AWS CLOUD9 (CONT.)

- <https://aws.amazon.com/cloud9/>
- <https://techcrunch.com/2017/11/30/amazon-launches-aws-cloud9-a-browser-based-ide-for-cloud-developers/>

Cons:

- Have to create account linked to card
- Charges if exceeding free account limits



The screenshot displays the AWS Cloud9 IDE interface. The main window shows a Python code editor with the following code:

```
1 import boto3
2 option_table = boto3.resource('dynamodb').Table('options')
3 vote_table = boto3.resource('dynamodb').Table('votes')
4 #more cowbell!
5 def build_response(message, message_type="Close", session_attributes=
6     resp = {
7         "dialogAction": {
8             "type": message_type,
9             "message": {
10                 "contentType": "PlainText",
11                 "content": message
12             }
13         }
14     }
15 }
16 if message_type is 'Close':
17     resp["dialogAction"]["fulfillmentState"] = "Fulfilled"
18 if session_attributes:
19     resp['sessionAttributes'] = session_attributes
20 return resp
21
22 def lambda_handler(event, context):
23     if 'GetName' == event['currentIntent']['name']:
24         name = event['currentIntent']['slots']['name']
25         session_attributes = {'name': event['currentIntent']['slots']
26         return build_response("Thanks {} you can ask me to describe t
27     if 'DescribeEpisodesTwo' == event['currentIntent']['name']:
28         options = option_table.get_item(Key={'poll': 'episodes'})['It
```

The interface also shows a sidebar with "Environment Members" (You (online), @jeffbarr (online), @tarawalker (offline)), "Group Chat" (with messages from You, @tarawalker, and @jeffbarr), and "AWS Resources" (ReadWrite permissions).

The background is a blue gradient with white circuit-like lines in the corners. The lines consist of straight segments connected by small circles, resembling a network or data flow diagram.

SHORT AWS CLOUD9 DEMO