```
        api_params, operation_model)
  File "/home/ubuntu/env/lib/python3.5/site-packages/botocore/validate.py", line
 291, in serialize_to_request
    raise ParamValidationError(report=report.generate_report())
botocore.exceptions.ParamValidationError: Parameter validation failed:
Unknown parameter in input: "CiderIp", must be one of: CidrIp, FromPort, GroupId
, GroupName, IpPermissions, IpProtocol, SourceSecurityGroupName, SourceSecurityG
roupOwnerId, ToPort, DryRun
>>> [x.ip_permissions for x in vpc.security_groups.filter(GroupNames=['22017827_
SG'])]
[[]]
>>> security_group = ec2.SecurityGroup('sg-b88942de')
>>> security_group.authorize_ingress(CidrIp='0.0.0.0/0',FromPort=8080, ToPort=80
80, IpProtocol='tcp')
{'ResponseMetadata': {'RequestId': '57ae5608-2c6f-461a-9884-fd22ab2861b8', 'Retr
yAttempts': 0, 'HTTPStatusCode': 200, 'HTTPHeaders': {'transfer-encoding': 'chun
ked', 'vary': 'Accept-Encoding', 'server': 'AmazonEC2', 'content-type': 'text/xm
l;charset=UTF-8', 'date': 'Sun, 10 Sep 2017 07:43:46 GMT'}}}
>>> [x.ip_permissions for x in vpc.security_groups.filter(GroupNames=['22017827_
SG'])]
[[{'FromPort': 8080, 'ToPort': 8080, 'Ipv6Ranges': [], 'IpProtocol': 'tcp', 'Pre
fixListIds': [], 'IpRanges': [{'CidrIp': '0.0.0.0/0'}], 'UserIdGroupPairs': []}]
]
>>>
```

```
Last login: Sun Sep 10 17:58:29 on ttys000
[JackdeMacBook-Pro:~ captain$ $ ping ec2-54-252-131-28.ap-southeast-2.compute.ama]
zonaws.com
-bash: $: command not found
[JackdeMacBook-Pro:~ captain$  ping ec2-54-252-131-28.ap-southeast-2.compute.amaz]
onaws.com
PING ec2-54-252-131-28.ap-southeast-2.compute.amazonaws.com (54.252.131.28): 56
data bytes
Request timeout for icmp_seq 0
Request timeout for icmp_seq 1
Request timeout for icmp_seq 2
Request timeout for icmp_seq 3
Request timeout for icmp_seq 4
Request timeout for icmp_seq 5
Request timeout for icmp_seq 6
Request timeout for icmp_seq 7
Request timeout for icmp_seq 8
Request timeout for icmp_seq 9
Request timeout for icmp_seq 10
Request timeout for icmp_seq 11
Request timeout for icmp_seq 12
Request timeout for icmp_seq 13
Request timeout for icmp_seq 14
Request timeout for icmp_seq 15
```

```
Connection to ec2-54-252-131-28.ap-southeast-2.compute.amazonaws.com port 80 [tc
p/http] succeeded!
JackdeMacBook-Pro:~ captain$ nc -w 3 -v -z ec2-54-252-131-28.ap-southeast-2.comp]
ute.amazonaws.com 8080
nc: connectx to ec2-54-252-131-28.ap-southeast-2.compute.amazonaws.com port 8080
 (tcp) failed: Connection refused
JackdeMacBook-Pro:~ captain$ nc -G 3 -v -z ec2-54-252-131-28.ap-southeast-2.comp]
ute.amazonaws.com 8080
nc: connectx to ec2-54-252-131-28.ap-southeast-2.compute.amazonaws.com port 8080
 (tcp) failed: Connection refused
JackdeMacBook-Pro:~ captain$ nc -G 3 -v -z ec2-54-252-131-28.ap-southeast-2.comp]
ute.amazonaws.com 80
found 0 associations
found 1 connections:
     1: flags=82<CONNECTED,PREFERRED>
         outif en0
         src 192.168.8.103 port 50405
         dst 54.252.131.28 port 80
         rank info not available
         TCP aux info available

Connection to ec2-54-252-131-28.ap-southeast-2.compute.amazonaws.com port 80 [tc
p/http] succeeded!
JackdeMacBook-Pro:~ captain$
```

● ● ● ⌂ captain — ping ec2-54-252-131-28.ap-southeast-2.compute.amazonaws.com...

```
Last login: Sun Sep 10 18:34:04 on ttys001
[JackdeMacBook-Pro:~ captain$ ping ec2-54-252-131-28.ap-southeast-2.compute.amazo]
naws.com
PING ec2-54-252-131-28.ap-southeast-2.compute.amazonaws.com (54.252.131.28): 56
data bytes
64 bytes from 54.252.131.28: icmp_seq=0 ttl=42 time=76.616 ms
64 bytes from 54.252.131.28: icmp_seq=1 ttl=42 time=100.800 ms
64 bytes from 54.252.131.28: icmp_seq=2 ttl=42 time=92.424 ms
64 bytes from 54.252.131.28: icmp_seq=3 ttl=42 time=96.768 ms
64 bytes from 54.252.131.28: icmp_seq=4 ttl=42 time=85.302 ms
64 bytes from 54.252.131.28: icmp_seq=5 ttl=42 time=84.956 ms
64 bytes from 54.252.131.28: icmp_seq=6 ttl=42 time=81.634 ms
64 bytes from 54.252.131.28: icmp_seq=7 ttl=42 time=247.300 ms
64 bytes from 54.252.131.28: icmp_seq=8 ttl=42 time=250.550 ms
```

```
tetime(2017, 9, 10, 10, 50, 3, 100000, tzinfo=tzlocal()), 'TableName': '22017827
_ddb_tbl', 'KeySchema': [{'AttributeName': 'my_key', 'KeyType': 'HASH'}], 'Attri
buteDefinitions': [{'AttributeName': 'my_key', 'AttributeType': 'S'}], 'ItemCoun
t': 0, 'TableArn': 'arn:aws:dynamodb:ap-southeast-2:032418238795:table/22017827_
ddb_tbl', 'TableSizeBytes': 0, 'ProvisionedThroughput': {'ReadCapacityUnits': 1,
 'NumberOfDecreasesToday': 0, 'WriteCapacityUnits': 1}}, 'ResponseMetadata': {'H
TTPHeaders': {'server': 'Server', 'connection': 'keep-alive', 'content-length':
'503', 'content-type': 'application/x-amz-json-1.0', 'x-amz-crc32': '214027959',
 'x-amzn-requestid': '7CP7U610PD2QB272KCB8FDI9KBVV4KQNSO5AEMVJF66Q9ASUAAJG', 'da
te': 'Sun, 10 Sep 2017 10:50:03 GMT'}, 'RetryAttempts': 0, 'RequestId': '7CP7U61
0PD2QB272KCB8FDI9KBVV4KQNSO5AEMVJF66Q9ASUAAJG', 'HTTPStatusCode': 200}}
>>> client.describe_table(TableName='21301438_ddb_tbl')['Table']['TableStatus']
# Use your student number
'ACTIVE'
>>> 'ACTIVE'client.describe_table(TableName='21301438_ddb_tbl')['Table']['TableS
tatus'] # Use your student number
  File "<stdin>", line 1
    'ACTIVE'client.describe_table(TableName='21301438_ddb_tbl')['Table']['TableS
tatus'] # Use your student number
                 ^
SyntaxError: invalid syntax
>>> client.describe_table(TableName='22017827_ddb_tbl')['Table']['TableStatus']
'ACTIVE'
>>>
```

```
te': 'Sun, 10 Sep 2017 10:50:03 GMT'}, 'RetryAttempts': 0, 'RequestId': '7CP7U61
0PD2QB272KCB8FDI9KBVV4KQNSO5AEMVJF66Q9ASUAAJG', 'HTTPStatusCode': 200}}
>>> client.describe_table(TableName='21301438_ddb_tbl')['Table']['TableStatus']
# Use your student number
'ACTIVE'
>>> 'ACTIVE'client.describe_table(TableName='21301438_ddb_tbl')['Table']['TableS
tatus'] # Use your student number
  File "<stdin>", line 1
    'ACTIVE'client.describe_table(TableName='21301438_ddb_tbl')['Table']['TableS
tatus'] # Use your student number
                 ^
SyntaxError: invalid syntax
>>> client.describe_table(TableName='22017827_ddb_tbl')['Table']['TableStatus']
'ACTIVE'
>>> dynamodb = boto3.resource('dynamodb')
>>> table = dynamodb.Table('22017827_ddb_tbl')
>>> table.scan()
{'Items': [], 'Count': 0, 'ResponseMetadata': {'HTTPHeaders': {'server': 'Server
', 'connection': 'keep-alive', 'content-length': '39', 'content-type': 'applicat
ion/x-amz-json-1.0', 'x-amz-crc32': '3413411624', 'x-amzn-requestid': 'EFPIPOQ65
4S7Q4ERF8TSCJ3N5FVV4KQNSO5AEMVJF66Q9ASUAAJG', 'date': 'Sun, 10 Sep 2017 10:56:38
 GMT'}, 'RetryAttempts': 0, 'RequestId': 'EFPIPOQ654S7Q4ERF8TSCJ3N5FVV4KQNSO5AEM
VJF66Q9ASUAAJG', 'HTTPStatusCode': 200}, 'ScannedCount': 0}
>>>
```