

# select \* from cloud;



steampipe interactive client

> █

## Get Steampipe

- ✓ Open source
- ✓ No DB required
- ✓ 200+ data sources

[Download CLI](#)

## FEATURES

### Query like it's 1992

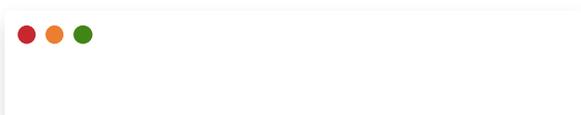
Stop hacking around with scripts; get real work done with the data access standard that's been rocking it for 4 decades.

### SQL? Really?

Yes, SQL. It is an elegant and powerful tool that makes working with multiple APIs simple. SQL levels the playing field for your team, easily integrates with other systems and accelerates delivery.

```
> select
  runtime,
  count(*)
from
  aws_lambda_function
group by
  runtime;
```

runtime	count
nodejs12.x	1
python3.7	1
python3.8	2



```
> select
  aws.name aws_user_name,
  slack.id as slack_user_id,
  slack.display_name as slack_name
from
  aws_iam_user as aws,
  slack_user as slack
where
  aws.name = slack.email;
```

aws_user_name	slack_user_id	slack_name
dwight@dundermifflin.com	U2EMB8HLP	dwight
jim@dundermifflin.com	U02HE4Z7E	jim

### Explore, connect and join data.

Painlessly join live cloud configuration data with internal or external data sets to create new insights.



```
> select
  domain,
  expiration_date
from
  whois_domain
where
  domain in ('apple.com', 'steampipe.io');
```

domain	expiration_date
apple.com	2021-02-20 05:00:00
steampipe.io	2021-10-13 19:28:29

### The cloud is a live database.

Stop building and maintaining out-of-sync lists and point-in-time environment snapshots; Steampipe's live tables give you the current view of any resource right now.



## USE CASES

# You've got questions, Steampipe has answers.

Which users have MFA enabled right now?

Compliance

```
select
  id,
  display_name,
  real_name,
  has_2fa
from
  slack_user;
```

What security groups are open to the world?

Security

```
select
  group_name,
  group_id
from
  aws_vpc_security_group_rule
where
  type = 'ingress'
  and cidr_ip = '0.0.0.0/0';
```

Which resources aren't tagged correctly?

Operations

```
select
  id,
  name
from
  azure_compute_image
where
  tags -> 'owner' is null or
  tags -> 'app_id' is null;
```

What storage volumes are not in use?

Cost

```
select
  volume_id,
  volume_type
from
  aws_ebs_volume
where
  attachments is null;
```

## HOW IT WORKS

# Get SQL Superpowers in < 60 Seconds

```
$ steampipe plugin install aws
: Installing plugin aws...
Installed plugin: aws
```

### Install your first plugin

Steampipe relies on plugins to implement the specific interfaces to cloud services, files, and other resources. Without a plugin, there is nothing to query!

```
> .tables
+-----+-----+
| Table          | Description          |
+-----+-----+
| aws_ebs_snapshot | AWS EBS Snapshots   |
| aws_ebs_volume   | AWS EBS Volumes     |
| aws_iam_user     | AWS IAM Users       |
| aws_iam_role     | AWS IAM Roles       |
| ...             | ...                 |
| aws_vpc_route_table | AWS VPC Route Tables |
| aws_vpc_subnet   | AWS VPC Subnets    |
+-----+-----+
```

### Browse available tables

Use one of Steampipe's 300+ data sources or roll your own. Explore metadata and documentation for our community plugins on the [Steampipe Hub](#).

```
> .inspect aws.aws_iam_role
```

## Explore some metadata

Steampipe organizes your cloud metadata into tables and fields that are easily discoverable and readable by humans!



Column	Type	Description
name	text	The friendly
role_id	text	The stable an
path	text	The path asso
arn	text	The AWS resou
create_date	timestamp	The date and
assume_role_policy	jsonb	The IAM Polic

## Write your first query

Every journey begins with the first step. Let us know what your first query was @steampipeio and we will send you a steampipe sticker.



```
> select create_date, arn
   from aws_iam_role;
```

Create Date	ARN
2019-08-12 16:42 EST	arn:aws:iam::123456789012:
2020-02-29 12:12 EST	arn:aws:iam::123456789012:
2020-10-11 13:24 EST	arn:aws:iam::123456789012:
2020-12-02 18:01 EST	arn:aws:iam::123456789012:

# Get cloud work done.

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