Linux Users Group
@ UT DALLAS
Today:
● What is a cloud anyway?
● Where can you get a piece of a cloud?
● To the Cloud!

Next Week (2/18):
● Open Lab -- Catch up on what you’ve missed

Next Meeting (2/25):
● Install useful software on your AWS machine
What is the cloud anyway?
There is no cloud
it's just someone else's computer
The Cloud vs Traditional Datacenters

The Cloud:
- A vast pool of resources that can be rented on demand
- Often managed by someone else
- Completely virtual
- Often distributed geographically
- Scalable

On-Premise Datacenters:
- Often managed by the company
- Not quickly scaleable
- Very expensive to modify
- Requires knowledgeable staff to design and install
LAST YEAR WE RECOGNIZED THAT OUR PROCESSES WERE FAR TOO COMPLEX

SO WE PUT THEM INTO THE CLOUD
Where can you get a piece of a cloud?
OH—HELLO DOWN THERE!

WELCOME TO MY SKY!

IT'S PRETTY GOOD.
I LIKE IT.

IT'S NOT THE SAME COLOR AS ANYTHING.

WOW!

THERE ARE A LOT OF YOU!
GOOD THING IT'S SO BIG.

AND WHAT DO YOU DO?

I'M IN THE CLOUD STORAGE BUSINESS.
Why AWS?

- Cheap (Also has a free tier)
  - A t2.micro is ~$80/3 years (~$27/year)
- All-inclusive ecosystem
- Largest cloud provider
- Supports many technologies
To the Cloud!
Signing up for an AWS account:

1. Head to https://aws.amazon.com/
2. Hit “Create a Free Account”
3. Sign in with your Amazon Credentials
4. Fill in your Credit Card information
   a. You will not be charged, if you stay within the free tier (12 months)
5. Confirmation Phone Call
Provisioning an EC2 Instance

1. Visit the EC2 Management Console
2. Click “Launch Instance”
3. Select the “Ubuntu Server 16.04” AMI (ami-7c803d1c)
4. Select the t2.micro instance type
5. Click “Review and Launch” and then “Launch”
6. Create and download a new key pair