

Linux Users Group @ UT DALLAS

AWS Part 1

2017-02-11

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

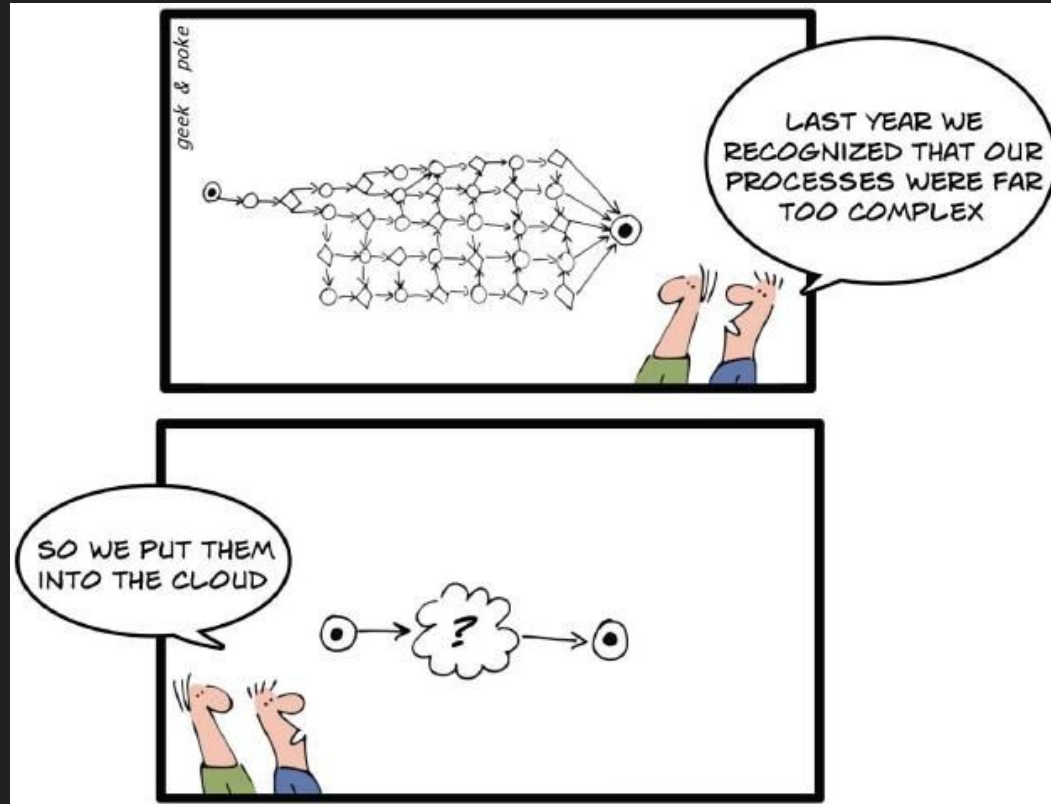
The Cloud:

- 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:

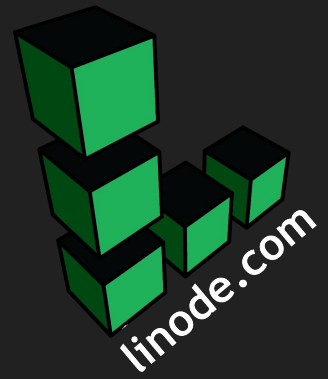
- Often managed by the company
- Not quickly scaleable
- Very expensive to modify
- Requires knowledgeable staff to design and install

Gotcha!



Where can you get a piece of a cloud?





Google Cloud Platform

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

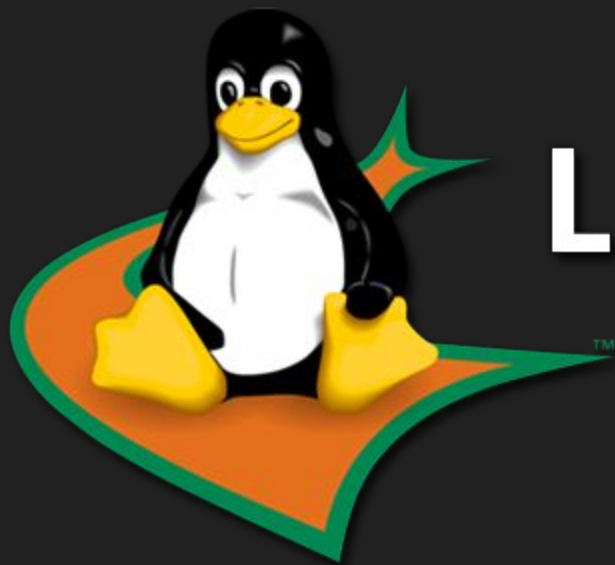
To the Cloud!

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



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