Lecture #06

Agenda

* Review Assignment #03
* Virtualization & AWS EC2
  + Network Firewalls & Security Groups
* Amazon Machine Images (AMI)
  + HashiCorp Packer
* Domain Name System (DNS)
  + AWS Route 53
* Discuss Assignment #04

Demos

* Amazon AMI & HashiCorp Packer

Reading

Virtualization and AWS EC2

* [Understanding virtualization](https://www.redhat.com/en/topics/virtualization)
* [Virtualization](https://en.wikipedia.org/wiki/Virtualization)
* [Amazon Elastic Compute Cloud (Amazon EC2)](https://aws.amazon.com/ec2/)

Network Firewalls & Security Groups

* [Security Groups & Network Firewalls](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html)
* [Amazon EC2 Security Groups for Linux Instances](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-network-security.html)

Packer & AWS AMIs

* [Amazon Machine Images (AMI)](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AMIs.html)
* [HashiCorp Packer](https://www.packer.io/)

DNS

* [Root name server](https://en.wikipedia.org/wiki/Root_name_server)
* [An Introduction to DNS Terminology, Components, and Concepts](https://www.digitalocean.com/community/tutorials/an-introduction-to-dns-terminology-components-and-concepts)
* [DNS Best Practices, Network Protections, and Attack Identification](https://www.cisco.com/c/en/us/about/security-center/dns-best-practices.html)
* [AWS Route 53](http://docs.aws.amazon.com/Route53/latest/DeveloperGuide/Welcome.html)