Lecture05 supplemental videos

Server Virtualization & Hypervisors
https://www.youtube.com/watch?v=NmrJIWDG0yk

What is Docker?
https://www.youtube.com/watch?v=aLipr7tTuA4

Learn Docker in 12 Minutes
https://www.youtube.com/watch?v=YFl2mCHdv24
Published on Sep 6, 2016
Docker is all the rage right now. In 12 minutes I'll give you comprehensive introduction to docker, covering:
1. What is Docker
2. Virtual Machines vs. Docker
3. Introduction to Dockerfiles, images and containers
4. The Docker Hub
5. Writing a Dockerfile
6. Building an image
7. Running a container
8. Mounting volumes
9. One process per container

Why OpenStack
https://www.youtube.com/watch?v=Bk4NoUsikVA
Published on May 27, 2016
There are different viewpoints on why IT departments would deploy OpenStack for an IaaS solution. Some perceive a cost savings through the use of open source infrastructure under the framework. Others view OpenStack as actually solving the business problem of IT agility through the ecosystem of tools and knowledge around its vendor neutral API. This discussion highlights the latter: Automating infrastructure deployments leveraging current SW development processes and toolsets for the purposes of business agility.

OpenStack Architecture and Stability (up to 12:00)
https://www.youtube.com/watch?v=fYL4W3aQZMM
Published on Jun 28, 2016
OpenStack has been getting a bad reputation for being impossible to get stable at scale. Architects can get it working as a PoC, but when it comes time to actually turn it over to the operations team, there are natural challenges. This presentation draws out the architecture and discusses how to achieve stability in your OpenStack deployment at scale.

2013 Red Hat Summit OpenStack Architecture (optional)
https://www.youtube.com/watch?v=qx8Y8jZhfTI
Published on Jun 15, 2013
In this session, Russell Bryant expands upon the 10,000-foot view provided in the OpenStack introductory session, to dive into lower-level architectural concepts. Russell discusses each of the integrated

OpenStack projects included in Red Hat OpenStack 2.1, components being added to Red Hat OpenStack 3.0, and some of the new features being added to Red Hat OpenStack 3.0.

MapReduce
https://www.youtube.com/watch?v=LNxaPbBZ0Wk

Hadoop Architecture (up to 10:30)
https://www.youtube.com/watch?v=YewlBXJ3rv8