Hi Dr. Sandhu,

Here are some of the links from the class discussions:

How to install Xen with Ubuntu 12.04

The General Wiki Page for Xen and OpenStack:
https://wiki.openstack.org/wiki/XenServer

The deployment architecture of Xen with OpenStack:

**Explanation of some of the terms used with Xen Hypervisor:**

**XCP**

The Xen Cloud Platform (or XCP) is a turnkey open source virtualization solution that provides out-of-the-box virtualization and cloud computing. XCP includes the **Xen Hypervisor**, the enterprise ready Xen API toolstack and integrations for cloud, storage and networking solutions. Additional functionality that is available in XCP includes:

- VM lifecycle: live snapshots, checkpoint, migration
- Resource pools: flexible storage and networking
- Event tracking: progress, notification
- Upgrade and patching capabilities
- Real-time performance monitoring and alerting
- Built-in support and templates for Windows and Linux guests
- Open vSwitch support built-in
- Storage XenMotion® live Migration (cross-pool migration, VDI migration)

**XAPI**

- A Toolstack implementing the XAPI interface
- An interface for remotely configuring and controlling virtualised guests running on a Xen-enabled host

It is the core component of **XCP** and **XenServer**. XAPI adds additional functionality compared to other Xen toolstacks, for example (but not limited to)

- Extends Xen to cover multiple hosts
- VM lifecycle: live snapshots, checkpoint, migration
- Resource pools: live migration, auto configuration, disaster recovery
- Flexible storage and networking
- Event tracking: progress, notification
- Upgrade and patching capabilities
- Real-time performance monitoring and alerting

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