

Welcome to COMP-10097

Virtualization

- Not 'new'
- Very overloaded* term

**fancy computer science term for “same word, different meanings”*

Course Goal

Understand the differences between “traditional” (V-Sphere, XEN) virtualization and “application” virtualization (Docker)

Understand what each gives you, and what each “costs” you.

Explore the operational implications of both strategies.

Tool Kit

- ***RHEL 7***
- **Docker CE**
- **VirtualBox (or your own VM environment)**

Evaluation Scheme

- **100% activity based**
 - **No tests**
 - **Many reasonable sized assignments**

Basic Structure

- Application Containers (Docker)
- HA Clusters
- Application Deployment and Management

Course Philosophy

- Learn the tools
- Apply the tools to exercises that simulate tasks you may face in a production environment

Let's build some cool stuff!