Application Server Virtualization and Kuali

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Abstract

Currently, the most popular solution for server virtualization at institutions is to use VMWare ESX Server. This allows institutions to quickly configure virtual servers for projects that need them. In the case of implementing Kuali applications, these include development, testing, configuration, staging, training and other environments. This comes at an overhead cost though. Institutions employ system administrators who's time is split across several projects to manage setup, maintenance, and security of these virtual machines.

This session is to discuss virtual private cloud solutions like Eucalyptus and devops as a solution to this. First, imagine eliminating this overhead. Is it even possible? What kind of staffing, setup, process, and/or otherwise would be required to pull this off?

1 Objectives

- Learn about what kind of overhead exists in the traditional system administrator paradigm.

- Discuss the effects on software project of that paradigm to determine if a change is important to institutions.

- Discuss institution(s) stances on devops.

- Pursue the possibility of virtual private cloud solutions. Can it help institutions? Can devops help process and efficiency of managing environments?

- Discover necessary processes for institutions to handle their own private cloud solutions vs. hosted private cloud solutions.

2 Audience

Technical track for

- Configuration managers
- Environment managers
- Devops
- Developers

3 Presenters

- Leo Przybylski

3.1 Level

Intermediate

4 Focus Area

Technical

5 Track

Kuali Rice

6 Format

Fishbowl