California State University San Bernardino
School of Computer Science and Engineering

CSE 482 Senior Project Presentation

Date

December 3, 2015

Time

2:00 PM

Place

JB 359

Title

Using VMware's ESXi 5.5 to Build Cloud Computing for CSE 360

Students

Anthony Strey
Benjamin Michael

Advisor

Dr. Arturo I Concepcion
Professor Ken Han

Abstract

With cloud computing becoming more prevalent in today's modern society, it is imperative to understand this technology. This project focuses on a cloud computing platform called VMware ESXi. We will discuss the design, implementation, and testing of this software for the School of Computer Science and Engineering. This system is being used in CSE 360 and we plan to support CSE 365 and 366, in winter and fall respectively, which are taught by Professor Ken Han. Technologies in this project include: imaging, Kickstarter scripting, and PXE booting. The instructor and their students will be accessing this system from class and home using the university's VPN network in order to create and maintain virtual machines more efficiently than the current system being used in CSE 360.