California State University San Bernardino
School of Computer Science and Engineering

GRADUATE INDEPENDENT STUDY PRESENTATION

Date

June 15, 2016

Time

2:00 pm

Place

JBH 358

Title

Interaction between Virtualizers & OS

Student

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Advisor

Dr. Wu

Abstract

The presentation will be based on detailed processing of interaction between virtualizer and operating system along with the experiments and discussions related to it. It gives explanation of how system calls are invoked and how their processing takes place inside the virtual machine. It shows how resource sharing like memory, CPU, network virtualization process is carried out when a single physical server supports multiple operating systems. It also describes how all this activity is controlled by virtual machine manager. Furthermore, it shows how the virtualization process is carried out among different types of virtual machines such as Virtual Box, KVM etc.