California State University San Bernardino
School of Computer Science and Engineering

CSE 482 Senior Project Presentation

Date

June 10, 2016

Time

1:00 PM

Place

JB 359

Title

Implement Linux, Apache, MySQL, PHP, and LDAP server using 389 Directory Server on Industry Standard Dell and HP Network Servers

Student

Edgar Panduro

Advisor

Dr. David Turner

Abstract

My network will include five servers and one Catalyst 2950 cisco switch. Server one will provide DHCP service for entire network. Server two will provide DNS services for all network devices. Network environment will incorporate LAMP (Linux Apache MySQL PHP) features. Nagios will monitor all five servers to ensure systems, applications and services are running at optimal performance. Web server will host a web site and will count all user traffic and will allow authorized users to log into the website. I will demonstrate how to install and configure LDAP server using 389 Directory Server, and I will show how to authenticate Linux clients using OpenLDAP. I will share and demonstrate my findings during my presentation. I will provide historical record of system failures, configuration issues, and I will generate graphs and reports that will identify configuration failures.