Create Your Own VirtualBox Windows Server Lab from Scratch

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# **Course Description**

**CREATE YOUR OWN WINDOWS 10 AND SERVER 2016 LAB AT HOME WITH VIRTUALBOX**

Are you looking to expand your knowledge of Windows 10 and Windows Server 2016, but don't have a dedicated lab to do so? If so, this is the perfect course for you!

In this course, I'll show you step-by-step, how you can use VirtualBox, a free virtualization software platform, to create your own virtualized lab on your home computer that's isolated from your physical network, which is perfect for expanding your knowledge of Windows.

**WHAT YOU'LL LEARN IN THIS COURSE:**

* The Basics of Virtualization
* How to Install & Use VirtualBox
* How to Create Virtual Machines
* How to Install Windows 10
* How to Install Windows Server 2016
* How to Setup a Sandbox Internal Test Network
* Microsoft Active Directory Fundamentals
* How to Install & Configure Active Directory
* How to Install & Configure DHCP in Windows Server 2016

Once you complete this course, you'll know exactly how to use VirtualBox to create your own Windows 10 and Server 2016 virtualized lab.

# **Course Curriculum**

## Section 1: Course Introduction

* Course Overview
* Course Curriculum Walk-Through
* Introduction to Virtualization
* Virtualization Live Demo

## Section 2: Initial VirtualBox Set-Up & Operating System Installation

* VirtualBox Prerequisites & Requirements
* Download & Install VirtualBox
* Download Windows Operating System ISO Files
* Create VirtualBox Virtual Machines
* Install Windows 10 Enterprise Operating System
* Install Windows Server 2016 Operating System
* Taking Snapshots in VirtualBox
* Installing Windows Updates

## Section 3: VirtualBox Troubleshooting

* VirtualBox Community Forum, Bug Tracker, and Documentation
* Dealing with Low Memory Errors
* Shutting Down Unresponsive Virtual Machines

## Section 4: Setting Up Our Sandbox Testing Environment

* Setting Up Our Sandbox Internal LAN
* Introduction to Active Directory
* Active Directory Installation & Configuration
* Create an Active Directory User Account
* Add Windows 10 PC to Our Active Directory Domain
* DHCP Installation & Scope Configuration
* Clone our Windows 10 Virtual Machine - Part 1
* Clone our Windows 10 Virtual Machine - Part 2

## Section 5: Revisiting Some VirtualBox Settings & Features

* Revisiting VirtualBox Snapshots
* Introducing VirtualBox Shared Folders
* Revisiting VirtualBox Settings

## Section 6: Conclusion & Next Steps

* Congratulations & Next Steps!