CNT 4603: System Administration
Spring 2014

Installing/Configuring VMware Player

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Installing and Configuring VMware Player

• As we discussed earlier in the course, virtualization software allows you to turn your PC into a virtual system on which you can run other operating systems – without having to alter the current OS already running on your system.

• This set of notes will step you through the process of installing VMware Player on your machine and then installing the Windows Server 2008 as an OS within the virtual environment.

• You can get VMware Player at: http://www.vmware.com/products/player/ (see next page). Current version is 6.0.1.
Click here
Installing and Configuring VMware Player
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Installing and Configuring VMware Player

When it's finished, click Launch.
Installing and Configuring VMware Player

VMware Player Setup

Destination Folder
Click Next to install to this folder or click Change to install to a different folder.

Install VMware Player to:
C:\Program Files (x86)\VMware\VMware Player\

Next >
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VMware Player Setup

**Shortcuts**
Select the shortcuts you wish to place on your system.

Create shortcuts for VMware Player in the following places:

- [x] Desktop
- [x] Start Menu Programs folder

[< Back | Next > | Cancel]
Installing and Configuring VMware Player

Ready to Perform the Requested Operations

Click Continue to begin the process.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
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VMware Player Setup

Performing the Requested Operations

Please wait while the wizard performs the requested operation. This may take several minutes.

Status: Installing packages on the system
Installing and Configuring VMware Player

The setup wizard has successfully completed its operations related to VMware Player. Click Finish to exit the wizard.
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Initial VMware Player screen
Installing and Configuring VMware Player

Initial VMware Player screen with some VMs installed
Creating A Virtual Server Under VMware Player

- The following pages step you through installing the Windows Server 2008 Standard Edition from a CD/DVD .iso image. Installation from another image will proceed in much the same manner.
- To get the .iso image, go to DreamSpark and search for Microsoft Windows Server 2008 R2. You want the .iso image.
Welcome to VMware Player

Create a New Virtual Machine
Create a new virtual machine, which will then be added to the top of your library.

Open a Virtual Machine
Open an existing virtual machine, which will then be added to the top of your library.

Upgrade to VMware Workstation
Get advanced features such as snapshots, developer tool integration, and more.

Help
View VMware Player's help contents.

This product is not licensed and is authorized for non-commercial use only. For commercial use, purchase a license. **Buy now.**
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New Virtual Machine Wizard

Welcome to the New Virtual Machine Wizard
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

- Installer disc:
  - DVD RW Drive (E:)

- Installer disc image file (iso):
  - C:\COURSES\CNT 4603 - System Administration\CNT

  Windows Server 2008 detected.
  This operating system will use Easy Install. (What's this?)

- I will install the operating system later.
  The virtual machine will be created with a blank hard disk.

Help  < Back  Next >  Cancel
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![Image of VMware Player window with virtual machine name and location fields filled in]

Virtual machine name: Windows Server 2008 - Server T1
Location: C:\Users\Mark Llewellyn\Documents\Virtual Machines\Windows
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New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

The virtual machine’s hard disk is stored as one or more files on the host computer’s physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB): 40.0

Recommended size for Windows Server 2008: 40 GB

- Store virtual disk as a single file
- Split virtual disk into multiple files

Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

< Back  Next >  Cancel
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New Virtual Machine Wizard

Ready to Create Virtual Machine
Click Finish to create the virtual machine and start installing Windows Server 2008 and then VMware Tools.

The virtual machine will be created with the following settings:

- **Name:** Windows Server 2008 - Server T1
- **Location:** C:\Users\Mark Llewellyn\Documents\Virtual Machines...
- **Version:** Workstation 10.0
- **Operating System:** Windows Server 2008
- **Hard Disk:** 40 GB
- **Memory:** 1024 MB
- **Network Adapter:** NAT
- **Other Devices:** CD/DVD, USB Controller, Printer, Sound Card

- [ ] Power on this virtual machine after creation

[Customize Hardware...]

[Finish] [Cancel] [Back]
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Software Updates

The following software is available for download:
VMware Tools for Windows 2000 and later - version 8.4.6

⚠️ If you do not download VMware Tools, Easy Install will not fully complete.

What would you like to do?

- [ ] Download and Install
- [ ] Remind Me Later

Downloads

Downloading VMware Tools for Windows 2000 and later...

Details >>  Hide  Cancel
Installing Windows...

That’s all the information we need right now. Your computer will restart several times during installation.

- Copying files
- Expanding files (2%)
- Installing features
- Installing updates
- Completing installation

Easy Install is installing Windows Server 2008.
### Initial Configuration Tasks

Perform the following tasks to initially configure this server

1. **Provide Computer Information**
   - **Set time zone**: (GMT-05:00) Eastern Time (US Canada)
   - **Configure networking**: None detected
   - **Provide computer name and domain**:
     - **Full Computer Name**: WIN-TCC4WDRK05
     - **Workgroup**: WORKGROUP

2. **Update This Server**
   - **Enable automatic updating and feedback**:
     - **Updates**: Not configured
     - **Feedback**: Windows Error Reporting off
     - Not participating in Customer Experience Improvement Program
   - **Download and install updates**:
     - **Checked for Updates**: Never
     - **Installed Updates**: Never

3. **Customize This Server**
   - **Add roles**: Roles: Loading...
   - **Add features**: Features: Loading...

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**Do not show this window at logon**
Installing and Configuring VMware Player
Viewing Server Roles in Server 2008

• Before the next class you should do the following on the VM running Windows Server 2008 that you’ve installed in your virtual environment.

• Open the Server Manager (it should be on your taskbar; if not click Start then Server Manager).

• Scroll down and you’ll come to the Roles Summary. Once the data has been collected by the server, you should see that there are 0 of 16 installed roles.

• Click Go to Roles.

• You should now see the screen shown on the next slide. Follow the remaining steps as illustrated.
Viewing Server Roles in Server 2008

Click Add Roles
Viewing Server Roles in Server 2008

Add Roles Wizard

Before You Begin

This wizard helps you install roles on this server. You determine which roles to install based on the tasks you want this server to perform, such as sharing documents or hosting a Web site.

Before you continue, verify that:
- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The latest security updates from Windows Update are installed

If you have to complete any of the preceding steps, cancel the wizard, complete the steps, and then run the wizard again.

To continue, click Next.

Read this page, but don’t do any of the things mentioned on this page. Then click “Next”
Select each of the 16 possible roles, and read the description that is provided for each of the possible server roles.
Viewing Server Roles in Server 2008

• Go back to the Server Manager window and this time scroll down until you come to the Features Summary (it will right underneath the Roles Summary). Once the data has been collected by the server, you should see that there are 0 of 35 installed roles.

• Click Add Features.

• You should now see the screen shown on the next slide. Follow the remaining steps as illustrated.
You don’t need to look at all of the features, but select a few and read the brief description of what the feature provides.

When you’re done, click “Cancel” and shut down the VM.