Virtualization

Chuck McKinnis

Virtualization
Why use a virtual machine?

Advantages

   Hardware support

   Migration

   Testing

Disadvantages

   Multiple operating systems

   Resources

   Performance

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Virtualization
Virtual machine host choices

Microsoft Windows

  VirtualBox

  Parallels Workstation

  Microsoft Virtual PC

  VMware

Linux & MAC

  VirtualBox

  Parallels Workstation

  Vmware (Linux only)

Virtualization
Virtual machine choices

VirtualBox

    Windows (2000, XP, Vista, 7)

    Linux (most common distributions)

    MAC (Intel only)

    Free

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Virtualization
Virtual machine choices

Parallels Workstation

    Windows (2000, XP, 2003, Vista, 7)

    MAC (Intel only)

    Linux (most common distributions)

    $49.99 and $79.99 (MAC)

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Virtualization
Virtual machine choices

Microsoft Virtual PC

   Windows (XP, Vista, 7)

   MAC (Power PC only)

   No longer supported, but SP1 was released in May 2008 (and works), and Microsoft released a fix to SP1

   Free

Virtualization
Virtual machine choices

VMware

> Windows (XP, Vista, 7)
>
> Linux
>
> 64-bit x86 Processor
>
> OS/2 is not a supported operating system
>
> $199

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Virtualization
Virtualizer Installation

Hardware

    Virtualization (VT-x or AMD-V)

    Memory

    Hard drive

Software

    Current

    DKMS package (Linux)

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Virtualization
eCS Installation

Setup

    System

    Display

    Hard drive

    Floppy

    Audio

    Network

    Serial

    USB

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Virtualization
Guest Installation

Install

    Custom boot

    Advanced path

    Hardware

    Software

    Multimedia

    Networking

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Virtualization
Summary

Viable systems for eCS and OS/2 guests

Linux

VirtualBox, Parallels Workstation

MAC (Intel only)

VirtualBox, Parallels Workstation

Microsoft Windows

VirtualBox, Parallels Workstation, Microsoft Virtual PC

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