

# Running Windows Programs on a Mac



Day 2 of Week 1  
Month 1





# Download virtual machines

Test Microsoft Edge and versions of IE8 through IE11 using free virtual machines you download and manage locally.

Virtual machine

IE8 on Win7 ▾

Select platform

VirtualBox ▾

## Your Virtual Machine

Please note that these virtual machines expire after 90 days. We recommend setting a snapshot when you first install the virtual machine which you can roll back to later.

Mac Users: You need to use a tool that supports zip64 like [The Unarchiver](#) to unzip the files.

[Download .zip](#)[View installation instructions](#)

The Microsoft Software License Terms for the IE VMs are included in the [release notes](#) and supersede any conflicting Windows license terms included in the VMs. By downloading and using this software, you agree to these [license terms](#).



Oracle VM VirtualBox Manager

New Settings Show Discard

Details Snapshots

### eBusiness

-  **Windows 8 Enterprise (RTM)**  
Running
-  **Oracle Linux 6 U3**  
Running
-  **Windows XP\_1**  
Running

### Mobile Platforms

-  **Android Jelly-bean**  
Powered Off
-  **Chrome OS**  
Powered Off

### Windows

-  **Windows 7 (x64)**  
Powered Off
-  **Windows XP OBI**  
Powered Off
-  **Windows 7**  
Saved
-  **Windows Server 2012**  
Powered Off
-  **Window 8 Server**  
Saved

### Linux

-  **Ubuntu**  
Powered Off
-  **fedora 17**  
Saved


#### General

Name: Windows 8 Enterprise (RTM)  
Operating System: Windows 8 (64 bit)  
Groups: eBusiness

#### System

Base Memory: 2048 MB  
Boot Order: Floppy, CD/DVD-ROM, Hard Disk  
Acceleration: VT-x/AMD-V, Nested Paging

#### Preview



#### General

Name: Oracle Linux 6 U3  
Operating System: Oracle (64 bit)  
Groups: eBusiness

#### System

Base Memory: 1024 MB  
Boot Order: Floppy, CD/DVD-ROM, Hard Disk  
Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX

#### Preview



#### General

Name: Windows XP\_1  
Operating System: Windows XP  
Groups: eBusiness

#### System

Base Memory: 512 MB  
Boot Order: Floppy, CD/DVD-ROM, Hard Disk  
Acceleration: VT-x/AMD-V, Nested Paging

#### Preview



How did it go?







```
/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

```
brew tap caskroom/cask
```

```
brew cask install xquartz
```

```
brew install wine
```

```
wine my_installer.exe
```

~/ .wine/drive\_c/

How did it go?



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```
rm -rf ~/.wine
```

```
wine heroes4_installer.exe
```



# VirtualBox

- Actually runs Windows, so anything that works on Windows will definitely run on a VirtualBox VM
- Probably 2-4x slower than Wine
- More work to share files between Windows and Mac
- You have to buy a Windows license or get a new VM every 30 days

# Wine

- Good performance
- Slightly annoying to install
- You might see weird bugs or crashes that wouldn't happen on Windows

# If you want to take the plunge...

Buy classic games: <https://www.gog.com/>

Will \${MY\_GAME} run on Wine? <https://appdb.winehq.org/>

Install Homebrew: <http://brew.sh/>

Learn to Wine: <https://www.davidbaumgold.com/tutorials/wine-mac/>

Download VirtualBox: <https://www.virtualbox.org/wiki/Downloads>

Get Windows VMs: <https://developer.microsoft.com/en-us/microsoft-edge/tools/vms/>

These slides are on Github: <https://github.com/benchristel/presentations>