

This document provides all the details you will need to host a OS X Server Essentials v10.7 class at your location.

★ **You should allow at least 1-2 days before class start date to set up, configure, connect, and test the classroom equipment.**

You are responsible for:

- Providing, and installing, all hardware and software as described below;
- Providing room, network, and projection system setup as described below;
- Obtaining one (1) Apple ID for each attendee;
- Ensuring all of the above is in compliance with all minimum classroom requirements per this document before class start date

Business Rules, Inc. (BRI) is responsible for:

- Providing this document to you at least two (2) weeks in advance of agreed-upon class start date;
- Providing courseware, certified trainer, classroom server image, evaluation forms/link, and all pertinent Apple-authorized material

You are required to give classroom access to BRI's instructor no less than 24 hours before class start date, or after hours or over a weekend before, and throughout, the training event.

BRI encourages you to discuss the specific hardware and software you will use for the training course with BRI to ensure maximum compatibility at your location. Attendees will be able to meet certain course objectives only if the minimum requirements outlined in this document are met.

Facility Guidelines

Classroom

- Each attendee must have a dedicated workspace, which should be able to accommodate two (2) Apple computers (desktop and/or laptop) with opened workbook and workstation-style seating
- The instructor must have a dedicated workspace at the front of the room
- The instructor's workspace must have access to the internet, be connected to the classroom network by Ethernet cable, and also be connected via VGA or DVI cable to the Projection System (described below)
- A location must be set aside for the classroom server connected via Ethernet cable to the classroom network and a power outlet
- Power outlets providing approximately 5 amps of power to each device must be provided for all computers, monitors, and peripheral devices used in the class

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- A projection screen, as specified in the “Projection System” section below, must be provided at the front of the classroom and at a reasonable distance from the attendees
- A wall-mounted or freestanding whiteboard (with dry-erase markers and erasers) should be located at the front of the classroom
- Lighting and temperature controls should be adjustable

Printer

- An OS X-compatible inkjet or laser printer with network connectivity or appropriate interface cable

Projection System

The projection equipment must be set up on a table, stand, or ceiling-mounted. We highly recommend you have a spare bulb or backup projector available in case of primary project system failure.

The projection system must meet these minimum standards:

- Resolution of 1024 x 768 pixels at 75 Hz (HD resolution and 16:9 widescreen are preferred)
- Projection rating of at least 2000 lumens
- Projection screen at least 6 feet x 6 feet
- Appropriate cables to connect the instructor’s presentation computer to the projection system without impeding movement through the classroom

Video and USB Switchbox (VGA or DVI):

- Switchbox capable of allowing projection from either Instructor System 1 or 2
- Appropriate cables to connect switchbox to projection system
- Cabling to connect switchbox to two computers simultaneously

Network

Wired network

- You must provide an Ethernet switch with at least two ports per attendee computer, plus an additional two ports for the instructor and the classroom server
- Each attendee computer, the instructor computer, and classroom server should be connected to the same Ethernet classroom network
- Except for the classroom router, the classroom network should be isolated (i.e., no connections other than the classroom computers)

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Wireless network

- The classroom network must be connected to the internet via a router at the IP address 10.0.0.1 (with a sub-net mask of 255.255.255.0). **This router MUST NOT provide DHCP service.** We recommend an Airport Extreme base station for this purpose, but many other routers can be configured to meet this requirement.
- The classroom internet connection must allow direct (non-proxied) HTTP and HTTPS traffic. (Note, however, that double-NAT is generally acceptable so long as the outer network's IP address range does not include 10.0.0.0-255)

Attendee System Requirements

OS X v10.7 classes require one of the following computer models (all other models will not be capable of completing required class exercises):

- MacBook Pro (Late 2008 or newer)
- MacBook Air (Late 2010 or newer)
- MacBook (Late 2008 or newer)
- iMac (Early 2009 or newer)
- Mac mini (Mid 2010 or newer)
- Mac Pro (Early 2009 with AirPort Extreme card, or Mid 2010)

You must provide one (1) dedicated computer to each attendee, and software installation(s) must be identical on each computer.

Because systems may be re-imaged before the start of class, and repartitioned during class, you must provide only systems with hard drives that can be safely erased. **You, and not BRI, are responsible for your production data.**

Attendee System 1

- OS X Lion-compliant Macintosh computer (Intel Core 2 Duo, Core i3, Core i5, Core i7, or Xeon processor; 2 GB RAM, OS X v10.7 or later installed but not configured; 7 GB available hard drive space)
- A single display with minimum resolution of 1024 x 768 pixels, 16-bit resolution
- Appropriate disk space to install all applications
- Each computer must be directly connected to a built-in mouse/trackpad and keyboard (**Bluetooth devices do not meet this requirement**)
- Built-in FireWire or Thunderbolt port
- Built-in Ethernet port
- Internet access

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Attendee System 2

- OS X Lion-compliant Macintosh computer (Intel Core 2 Duo, Core i3, Core i5, Core i7, or Xeon processor; 2 GB RAM, Lion Server v10.7 or later installed but not configured; 7 GB available hard drive space)
- 2 GB Ram or more
- A single display with minimum resolution of 1024 x 768 pixels, 16-bit resolution
- Built-in FireWire or Thunderbolt port
- Built-in Ethernet port
- Internet access

Instructor System Requirements

Instructor System 1 (Server)

- OS X Lion Server-compliant Macintosh computer with OS X Lion Server installed (Ask BRI for Instructor Guide PDF for configuration instructions)
- 2 GB Ram or more
- A single display with minimum resolution of 1024 x 768 pixels, 16-bit resolution
- Video output with appropriate adapter for connection to switchbox to projector

Instructor System 2 (Presentation)

- OS X Lion Server-compliant Macintosh computer with OS X Lion installed
- 2 GB Ram or more
- A single display with minimum resolution of 1024 x 768 pixels, 16-bit resolution
- Video output with appropriate adapter for connection to switchbox to projector
- Keynote installed

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