How to Install a "Sandbox" Moodle on Your Windows PC

Rick Jerz
The University of Iowa

www.rjerz.com
Rick-m@rjerz.com

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Objectives

- **Overview**
- **Install Moodle on PC with XAMPP**
  - **Install Moodle on Mac with MAMP**
- **Examples of what you can do**
  - **Some moodle settings**
  - **Some php.ini settings**
  - **Some custom CSS**
    - Color top bar
- **Add a plugin**
  - "Collapsed Topics"

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Overview

- **A "sandbox" Moodle**
  - **Not for production!**
  - **For education and experimenting**

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Can and Can't Do

- **Can**
  - **Experiment with many Moodle settings**
  - **Act as manager, teacher, student**
  - **Create courses and move to production**
  - **Create quizzes and move to production**
  - **Themes and CSS**
  - **Explore add-ins**

- **Can't**
  - **Email related items**
  - **Have others log in (from the Internet)**
  - **Cron is limited**

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Many Ways to Install

- **Moodle.org installers**
  - **One-step, but often lack some feature**

- **Install manually!**
  - **XAMPP + Moodle, Windows PC**
  - **MAMP + Moodle, Macintosh computer**

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Moodle Requirements

- **A moodledata folder**
- **A database**
- **The moodle application**

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What do we have?

- **A working copy of Moodle**
- **A local "server" running**
- **Nothing in Moodle, yet!**

- **Review Steps:**
  - **Start XAMPP Control Panel**
  - **Start Apache and MySQL servers**
  - **Go to localhost/moodle in your browser**

- **Make NOTES!!!!!**

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Examples of Experimentation

- **Adjust some settings**
- **Edit settings in php.ini**
- **Add Custom CSS**
- **Install a plugin**

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Moodle Settings

- **Turn off guest access**

- **Administration / Plugins/ Authentication / Manage authentication**
- **Guest login button = Hide**

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php.ini Settings

- **Find and edit php.ini**
- **Turn on intl, xmlrpc, soap**
- **Add my favorites:**
  - **upload_max_filesize = 128M**
  - **post_max_size = 128M**
  - **memory_limit = 384M**
  - **max_input_time to 600**
  - **max_execution_time to 300**
  - **max_input_vars = 5000;**
- **Stop and restart the Apache server**

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Custom CSS

- **Change color of upper bar**
  - **(Distinguish sandbox from production moodles)**

- **Administration/Appearance/Boost/Advanced Settings**
- **In Raw SCSS, add the following:**
  .bg-white
  {background-color: orange !important;}
- **Purge caches**

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Moodle Plugins

- **Collapsed Topics**

- **Others that I use**
  - **Checklist**
  - **Configurable Reports**
  - **A few ATTO utilities**

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Summary

- A "sandbox" moodle on your computer is great!
- Can't do this with other LMSs.

- I hang out in the Moodle.org forums, if you need me.

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The End

- For more support, including this video, go to

www.rjerz.com

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Future Topics

- Reinstalling
- Installing more than one
- Setting up opcache
- Modifying the database config file
- Backup/restore of Moodle
- Migrating Moodle
  - Production to local, and vice versa

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