



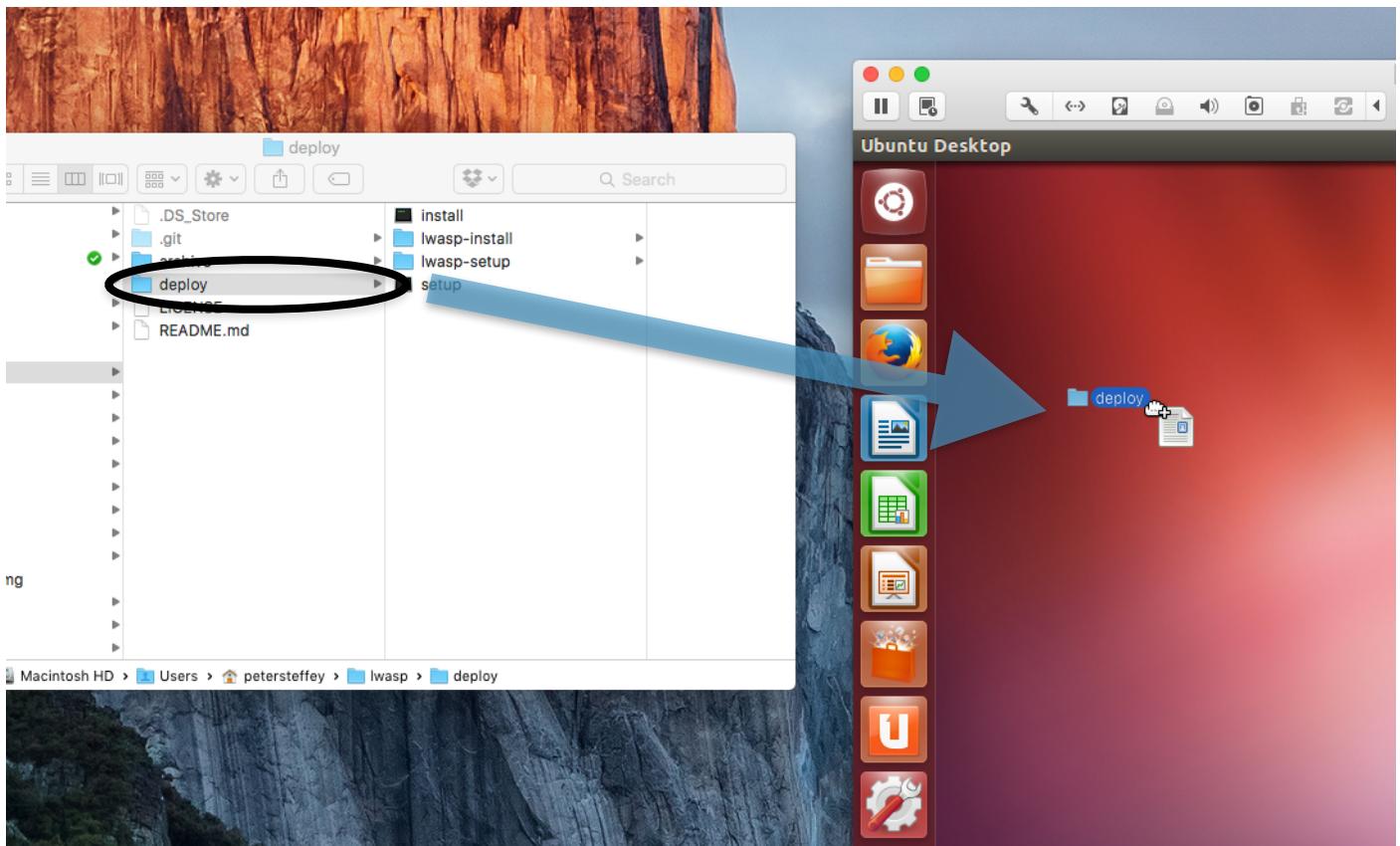
Lwasp Tutorial

1

Download the lwasp folder from the CyberPatriot website (<https://www.uscyberpatriot.org/lwasp>)

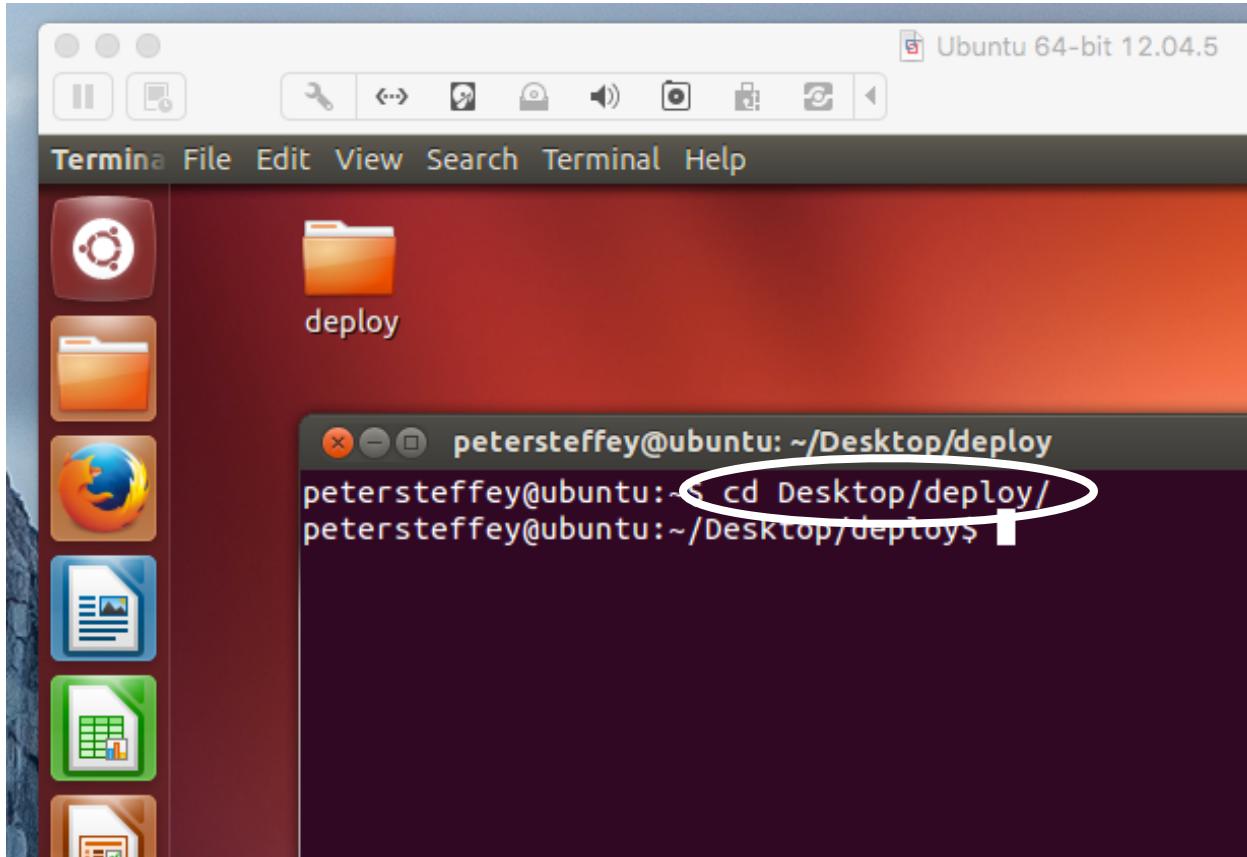
2

Move the deploy folder into a Ubuntu virtual machine. If you don't already have a Ubuntu VM, follow this guide to get going: <http://theholmesoffice.com/installing-ubuntu-in-vmware-player-on-windows/>. Be sure to take a snapshot of your clean VM before making modifications.



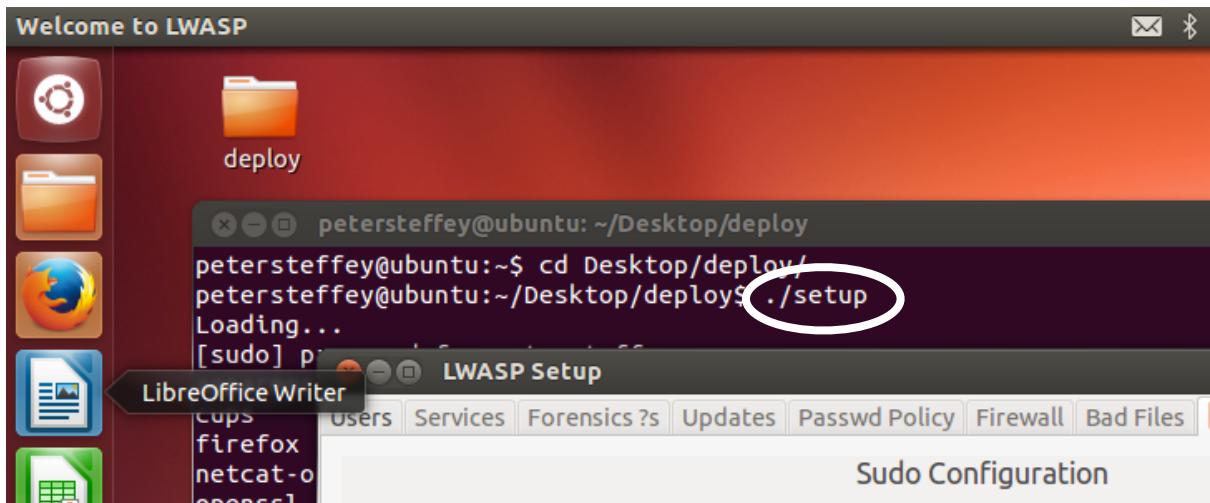
3

Open a terminal on the VM (Ctrl-Alt-T), and `cd` (change directory) into the folder.



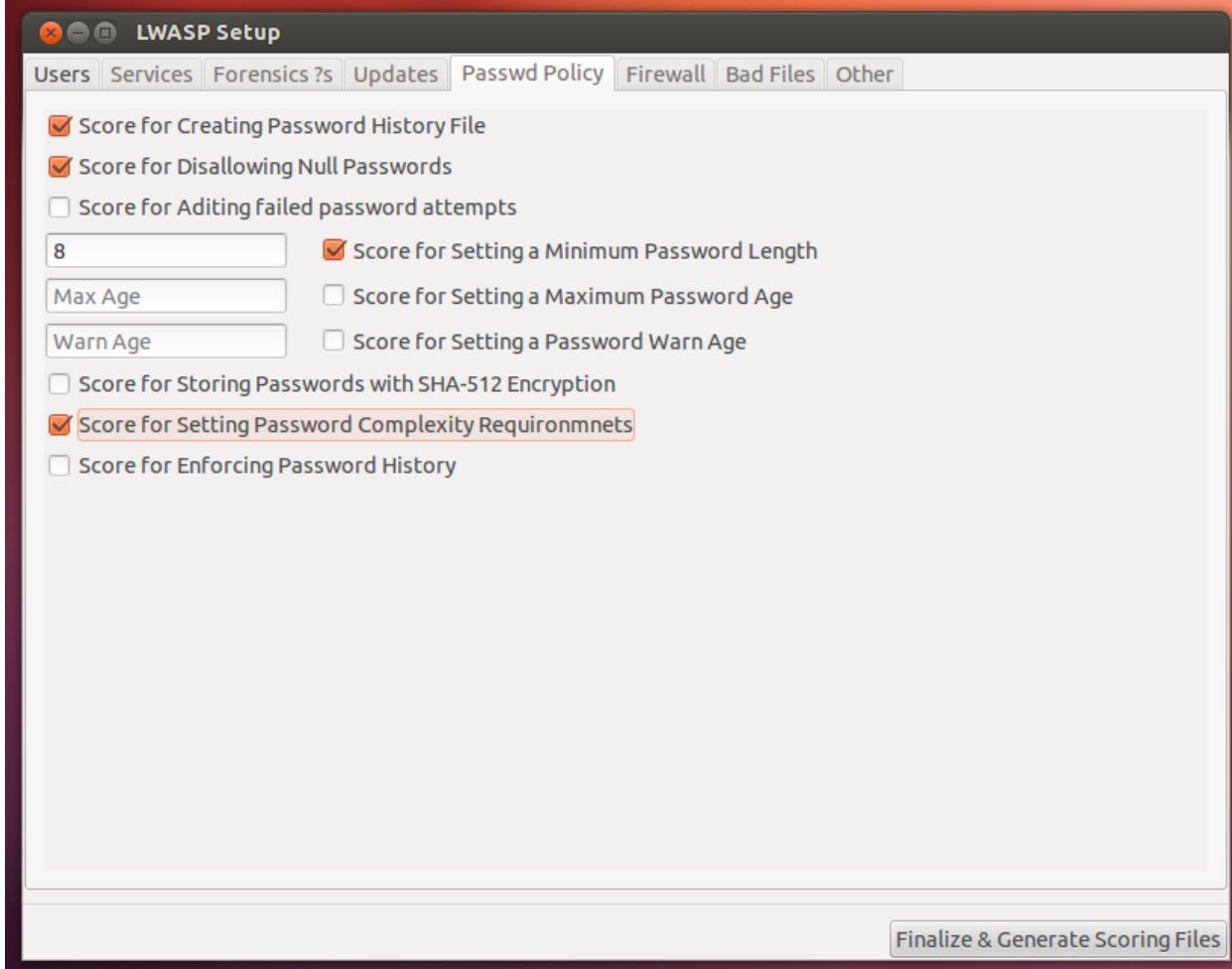
4

Run the command: `./setup`



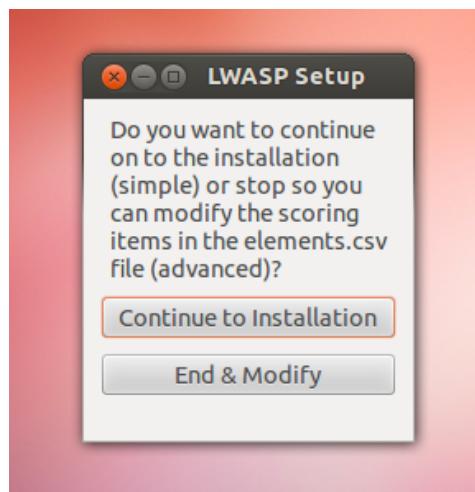
5

Simply check what you want to score for each category, then press the “Finalize & Generate Scoring Files” Button at the bottom right corner.



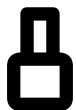
6

Unless you are an advanced user and intend to modify the elements.csv file, you should Continue to Installation.

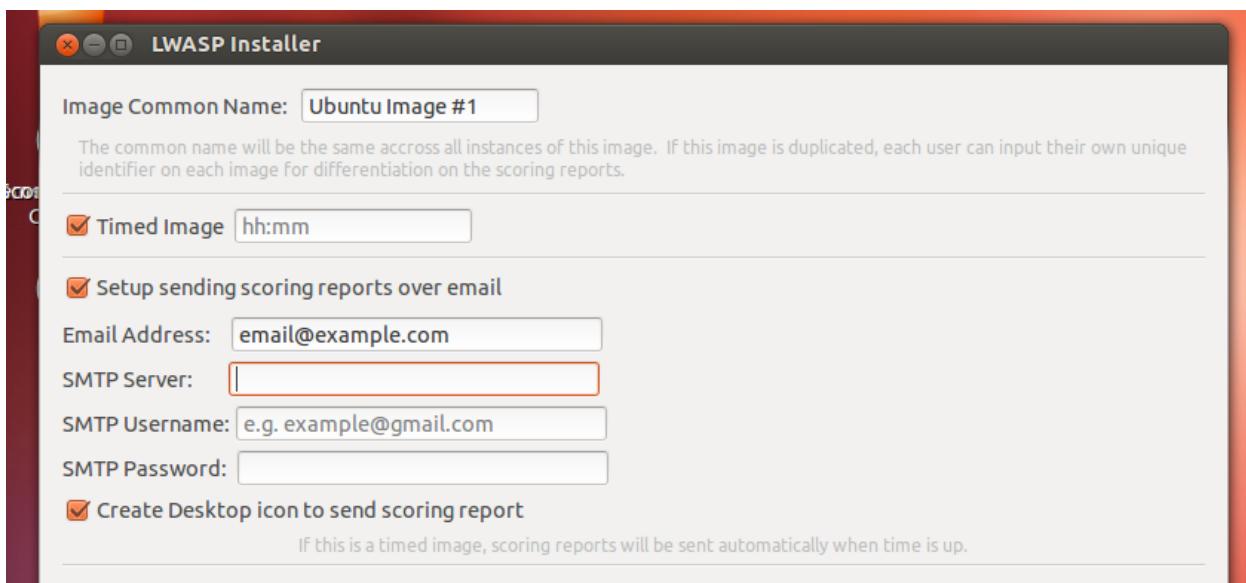


7

Press the Install button...

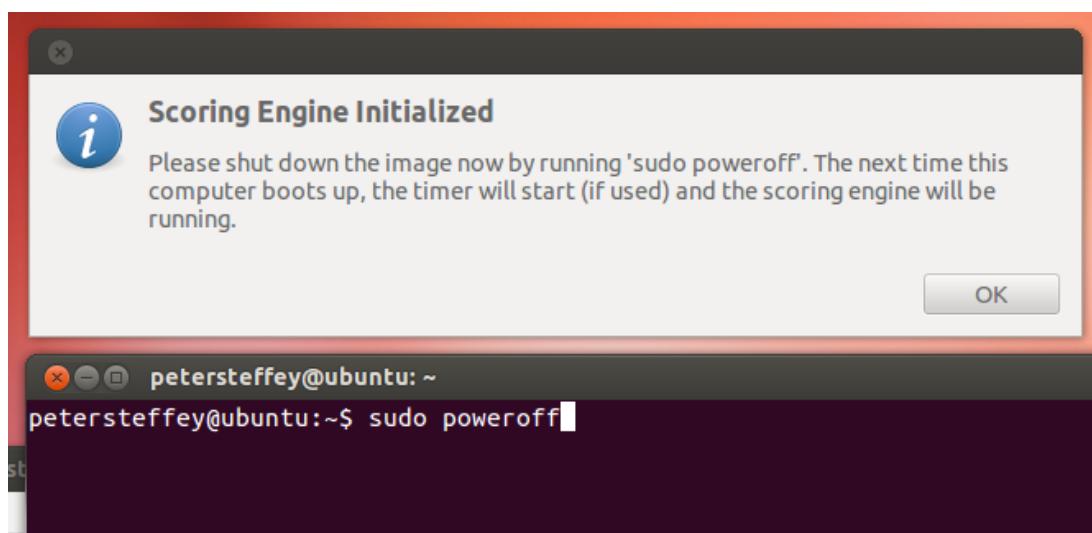


Input the needed information...



9

Then shutdown the image using the command: `sudo poweroff`



10

Snapshot the powered down image, then power it up to test and make sure it works as expected. Once you are satisfied, restore the snapshot and distribute the image to all of the students, and then run them using VMWare Player or VSphere Client on Windows, or VMWare Fusion on Mac.



11

Each student can monitor their own progress by opening up the scoring report on the desktop. As noted on the scoring report, each student should run the Set ID program on the desktop, so that you, as the coach or mentor, can differentiate between the scoring reports from various students. This will usually be a student's name or some other sort of identifier.

Scoring Report

file:///usr/ScoringEngine/ScoringReport.html

Scoring Report

LWASP Cyber Security Training Image: Example Image

Report Generated at Fri Aug 12 2016 19:31:29 GMT-0700 (PDT)

Image Running Time: 00:11:12

Image Time Remaining: 00:48:48

Team ID: Please run the 'Set ID' program on the desktop

Image IP Address: 172.16.211.187

27 out of 268 points received

2 penalties assessed, for a loss of 16 points:

Service ufw stopped - 8 pts
Service socat stopped - 8 pts

6 out of 36 scored security issues fixed, for a gain of 43 points:

Backdoor user backdoor removed - 5 pts
nmap installed and running - 6 pts
Service telnet stopped - 8 pts
Auto-Install Security Updates Enabled - 7 pts
Auto-download Security Updates Enabled - 7 pts
PDFs removed - 10 pts

12

If you enabled email reporting, the scoring report will be emailed to you either when the time is run out, or, if enabled, when the student runs the Send Scoring Report program on the desktop. If you did not enable email reporting, the student can send you pictures or a web archive of their scoring report.

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Email any feedback or feature requests about the LWASP scoring engine to steffeydev@icloud.com



**Thank you for
using LWASP!**