CS471
Security & Info Assurance

Welcome!
1/18/2023

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Review the course syllabus

    Course Format
    Prerequisites
    Textbook
    Objectives
    Grading
    Schedule
    Final exam

The syllabus can be found on Canvas.

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Resources on Canvas

Modules:
- Assignments
- Lecture slides
- Syllabus
- Submit assignments on Canvas

Exams on Canvas
- Using Respondus Lockdown Browser
- Requires Webcam

Spring 2023 Office Hours:
Wednesday(zoom) 2:00-3:00pm and
Thursday(N154) 12:30-1:30pm

Office Location:
Zoom conference on Wednesdays 2pm
https://csueb.zoom.us/j/83616322133?pwd=bVg3RlczM1c3MSswYkRYYm1xUGw4QT09
In-person Thursdays North Science Room N154

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How to do well in this class

- Be on-time, present and engaged during lecture
- Read the textbook every week
- Start assignments early to allow for time to get help
- Assignments and exams are discussed during lecture, so please come.
- Ask questions in whatever format works well for you
  - During lecture, by email, visit office hour

Zoom specific

- You are strongly encouraged to share video in Zoom during class meetings.
- Sharing video can help create a fair, interactive, open, learning environment.
- Technical challenges happen. This is ok, too. Do your best.
- Use virtual background features in Zoom.
- Behave as you would during an in-person college class.

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Course Schedule

| Week #	Monday	Wednesday	Reading	Weekly Topic	Due	Assigned
1	01/16/23	01/18/23		Getting started		
2	01/23/23	01/25/23	Chapter 1	Introduction		Assignment 1
3	01/30/23	02/01/23	Chapter 2	Symmetric Encryption	Assignment 1	Assignment 2
4	02/06/23	02/08/23	Chapter 3	Asymmetric Encryption	Assignment 2	Assignment 3
5	02/13/23	02/15/23	Chapter 4	Key Distribution and Authentication	Assignment 3	
6	02/20/23	02/22/23	Chapters 1-4	Review : **Midterm 1**		
7	02/27/23	03/01/23	Chapter 5	Network Access Control		Assignment 4
8	03/06/23	03/08/23	Chapter 6	Transport Level Security	Assignment 4	Assignment 5
9	03/13/23	03/15/23	Chapter 7	Wireless Network Security		
10	03/20/23	03/22/23	Chapter 8	DNS and Email Security	Assignment 5	
11	03/27/23	03/29/23		Spring Break		
12	04/03/23	04/05/23	Chapters 1-8	Review : **Midterm 2**		
13	04/10/23	04/12/23	Chapter 9	IP Security		Assignment 6
14	04/17/23	04/19/23	Chapter 10	Malicious Software	Assignment 6	Assignment 7
15	04/24/23	04/26/23	Chapter 11	IDS		
16	05/01/23	05/03/23	Chapter 12	Firewalls	Assignment 7	
17	05/08/23	05/10/23		Finals Week		
	*No Meeting			Final Exam: **TBD**		

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Install Oracle Virtual Box

Download link

Be sure to install the Extension Pack, too!
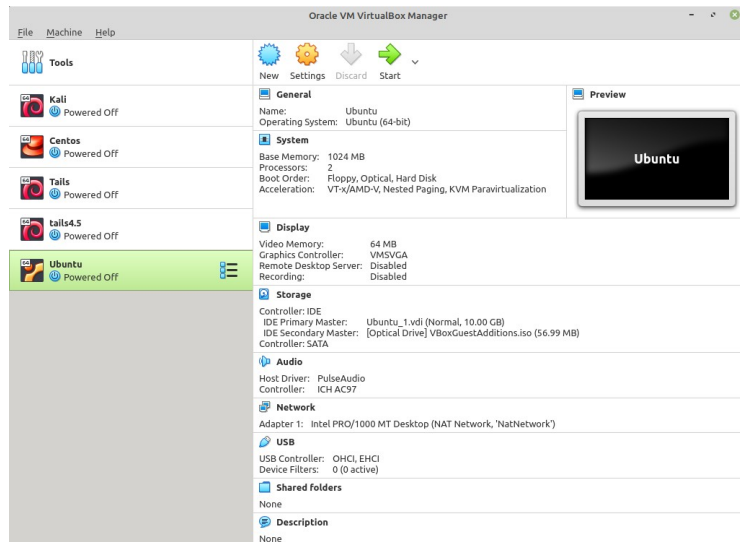
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Download the Kali Linux 2022.4 image file for VirtualBox 64-Bit

https://www.kali.org/get-kali/#kali-virtual-machines
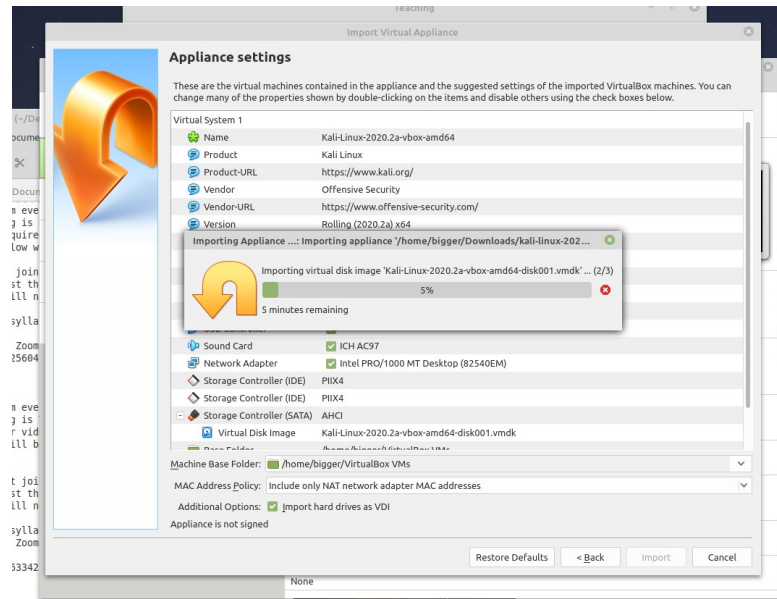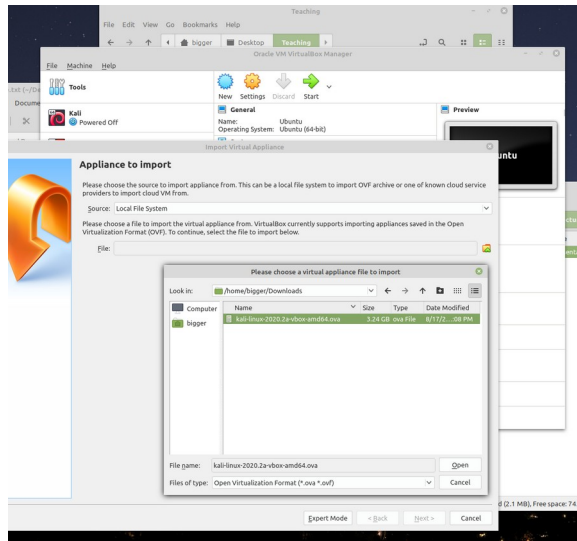
Extract the image from the .7z archive file.

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Import Kali Linux Image into VirtualBox
Open Virtualbox
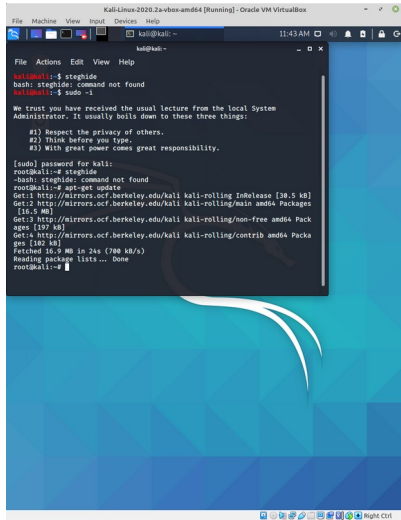Select the *File* menu
Select *Import Appliance*
Browse to the image file

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Start the VM
These images have a default login/password of "kali/kali"
and may have pre-generated SSH host keys.
Open the terminal and type:

```
sudo -i
```

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Attendance

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Before next time:

– Install Virtualbox
– Download Kali image
– Import the Kali image
– Start and login to Kali
– Read Chapter 1

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Thank you!