

Some recent, work-related samples:

1. Usage of the free TICFP for LMS:

The screenshot displays the TICFP for LMS platform. At the top, there are two logos: 'TIC-FP' on the left and 'CEEQ' on the right. Below the logos is a navigation bar with four tabs: 'Homepage' (selected), 'My courses', 'Personal agenda', and 'Reporting'. The main content area is titled 'My courses'.

Profile:

- Inbox (5281)
- Compose
- Pending invitations (3)
- Personal data
- Edit profile

Courses:

- Create a course
- Add a training session
- Sort courses
- Courses history
- Course catalog

Skills:

- My certificates

Course List:

Course Title	Author
OLDER OPERATING SYSTEMS (962 038)	Asen Grozdanov
RECENT OPERATING SYSTEMS (962 096)	Asen Grozdanov
TECHNICAL SUPPORT AT A TEL. HELP DESK (962 205)	Asen Grozdanov
APPLICATION SOFTWARE (962 088)	Asen Grozdanov
Programming Utility Software	Asen Grozdanov
bookmarks	Asen Grozdanov
firewalls	Asen Grozdanov

Detailed Course View (Programming Utility Software):

I. Introduction

Title	Publication date	Expiration date	Progress	Authoring options
01. Welcome and Introduction	2023-01-01	2023-01-31	88%	Icon icons
02. The Basics	2023-01-01	2023-01-31	100%	Icon icons
03. Programming and Programming Languages	2023-01-01	2023-01-31	100%	Icon icons
04. Algorithms, and Visualisation	2023-01-01	2023-01-31	83%	Icon icons
05. Install Python 3, Text Editors, and IDEs	2023-01-01	2023-01-31	100%	Icon icons

II. Procedures

Title	Publication date	Expiration date	Progress	Authoring options
01. Numbers	2023-01-01	2023-01-31	80%	Icon icons
02. Strings	2023-01-01	2023-01-31	50%	Icon icons
03. Lists	2023-01-01	2023-01-31	33%	Icon icons
04. Dictionaries	2023-01-01	2023-01-31	50%	Icon icons
05. Tuples	2023-01-01	2023-01-31	50%	Icon icons
06. Sets	2023-01-01	2023-01-31	50%	Icon icons
07. Booleans	2023-01-01	2023-01-31	50%	Icon icons
08. Input, TypeCasting, and Files	2023-01-01	2023-01-31	80%	Icon icons

2. Usage of Moodle as LMS to:

420-T32-SU - Advanced Security (Linux III) - SEC2009D- A.Grozdanov

Dashboard / My courses / 420-T32-SU - Advanced Security (Linux III) - SEC2009D- A.Grozdanov

 Announcements
 Course Outline-T32 (60H)
 Source materials - teacher eyes only


Module 1 - Introduction

The topics are:

Revision

- Firewalld
- systemd
- journald
- ntables
- What is Netfilter Hooks
- iptables
- installation of services
- The iptables tables
 - Filter table
 - NAT table
 - Mangle table
 - Raw Table
 - Security Table

Important things to remember for the Advanced Security course

Linux commands

- systemd
- firewalld
- journald
- Network services
 - DHCP
 - DNS
 - HTTP
 - FTP
 - SSH

 Intra

 Final


Presentation

-  Network TAP
-  Iptables

Document

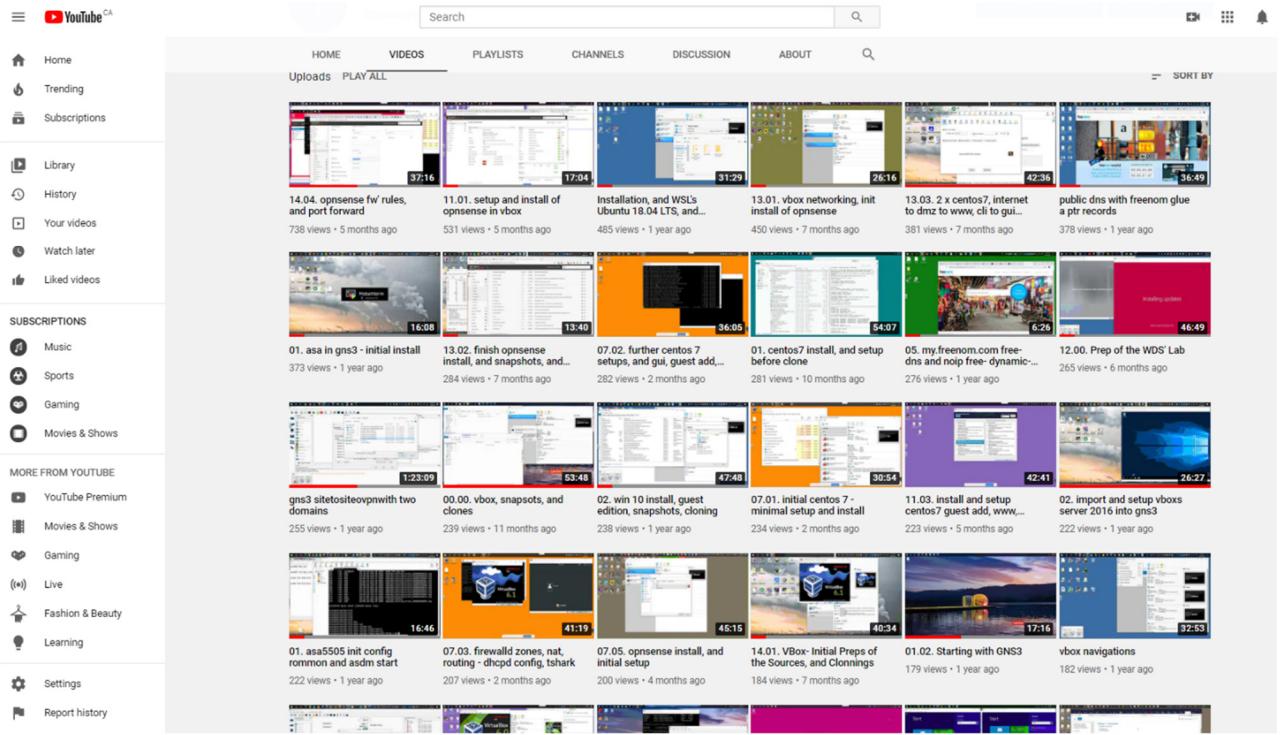
-  Iptables
-  dualboot hyperv virtualbox

Module 2 - iptables - Stateless

The topics are:

- Using Iptables tables
 - Filter table
 - NAT table
- The implementation of the chains in the tables
- The order of crossing the chains
- Basic rules

3. Usage of YouTube for immediate recording of the classes, and publishing into the LMS (OBS with Live- Streaming and Recording also is Done) :



4. Usage of the free- BANQ | Lynda.com for additional students' learning content.

5. Usage of Learning Platforms like NetworLessons, and LearnCantrill to adding additional content to the students in addition to the Net- Academy of Cisco, and AWS Faculty Ambassador, and AWS Educate work:

You are here: Home > Cisco > CCNA 200-301

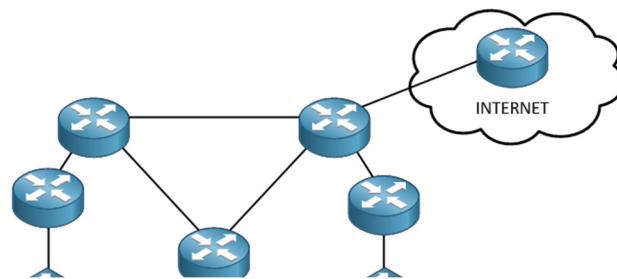
Introduction to Cisco IOS Access-Lists

In a perfect world where we can trust anyone and nobody makes a mistake we don't need security. In real life however bad things happen to our network so we'll need to protect it.

This lesson is an introduction to access-lists and you'll learn the difference between standard and extended access-lists.

Access-lists work on the network (layer 3) and the transport (layer 4) layer and can be used for two different things:

- Filtering
- Classification



Course Contents

CCNA 200-301

- Unit 1: Introduction
- Unit 2: Network Fundamentals
- Unit 3: Network Access
- Unit 4: IP Connectivity
- Unit 5: IP Services
- Unit 6: IPv6
- Unit 7: Security Fundamentals
 - 7.1 Access-Lists
 - [Introduction to Access-Lists](#)
 - [Wildcard Bits](#)
 - [Standard Access-List](#)
 - [Extended Access-List](#)
 - [Time-based Access-List](#)
 - 7.2 Misc
- Unit 8: Network Management
- Unit 9: Network Design
- Unit 10: Automation and Programmability
- Unit 11: Cloud Computing
- Unit 12: Practice Exam

The screenshot shows the AWS Management Console dashboard. On the left, there's a sidebar with a tree view of recent services and a list of Simple Storage Service (S3) objects. The main area features a search bar, a 'Recently visited services' section (with IAM highlighted), and several service links: Launch a virtual machine (With EC2, 2-3 minutes), Build a web app (With Elastic Beanstalk, 6 minutes), Build using virtual servers (With Lightsail, 1-2 minutes), Register a domain (With Route 53, 3 minutes), Connect an IoT device (With AWS IoT, 5 minutes), and Start migrating to AWS (With AWS Lambda, 1-2 minutes). A central banner says 'Now, we could go the same route to move to the IAM console,' with a link to 'Start migrating to AWS'. To the right, there are sections for 'Access resources on the go', 'Explore AWS' (Free Digital Training, Amazon DynamoDB, Amazon GuardDuty, AWS IQ), and 'AWS Support'.

Asen Grozdanov Content Saved: 0 Courses Taken 0 Preferred Language: English

My Classrooms

Check on the status of your Classroom requests or go to your Classroom. Click on a Classroom name to view the details you provided in your request.



Classrooms where I am an Educator

Course Name	Request Date	Course Number	Start Date	Credit Allocated Per Student	# Invited Students	# Students Joined	Status
AWS Basics	02/25/2019	1001	02/25/2019	\$100	60	24	Go to classroom
AWS Cloud Basics	09/25/2018	1000	09/25/2018	\$50	2	2	Go to classroom
cgim	10/14/2018	604	10/19/2018	\$80	47	36	Go to classroom
AWS Basics	12/13/2018	1001	01/01/2019	\$100	101	75	Go to classroom
Introduction to AWS	06/12/2019	0001	07/01/2019				Not Approved
Basics of AWS	10/18/2019	1001	10/21/2019	\$50	15	2	Go to classroom

I'm Teaching

Courses I'm Teaching (Favorite courses are listed first)

Academy/Institution Status View

Student Lookup Create Course

Course Name	In Progress	Completed	Pending Approval
417 Partner: PCAP - Programming Essentials in Python	417	416	416
30 Sep 2020 - 31 Jul 2021			
Course Details Grades Assignments			

Course Name	In Progress	Completed	Pending Approval
416 Partner: PCAP - Programming Essentials in Python	416	415	415
29 Sep 2020 - 31 Jul 2021			
Course Details Grades Assignments			

Course Name	In Progress	Completed	Pending Approval
Mixed Students Intro to CyberSec Introduction to Cybersecurity	Mixed Students	Intro to CyberSec	Introduction to Cybersecurity
21 Sep 2020 - 01 Sep 2021			
Course Details Grades Assignments			

Course Name	In Progress	Completed	Pending Approval
CyberSec Essentials Partner: PCAP - Programming Essentials in Python	CyberSec Essentials	Partner: PCAP - Programming Essentials in Python	
21 Sep 2020 - 01 Sep 2021			
Course Details Grades Assignments			

Course Name	In Progress	Completed	Pending Approval
Python 3 c200310c Partner: PCAP - Programming Essentials in Python	Python 3	c200310c	Partner: PCAP - Programming Essentials in Python
16 Sep - 31 Dec 2020			
Course Details Grades Assignments			

Course Name	In Progress	Completed	Pending Approval
C200211C Intro to Programming with Python Partner: PCAP - Programming Essentials in Python	C200211C	Intro to Programming with Python	Partner: PCAP - Programming Essentials in Python
09 Sep - 31 Dec 2020			
Course Details Grades Assignments			

Course Name	In Progress	Completed	Pending Approval
T11 T11_2 T11_2	T11	T11_2	T11_2
Course Details Grades Assignments			

Course Name	In Progress	Completed	Pending Approval
714_ JT Essentials	714	714_ JT Essentials	
Course Details Grades Assignments			

6. Usage of platforms as CodeLab, and freeCodeCamp, and Scrimba (the free ones) as addition for improving the programming, and data- base skills of the students:

The screenshot shows the CodeLab interface. At the top, it says "Welcome, Asen Grozdanov <09/26/10.183427>" and "Courses". Below that, it says "You are an Instructor of 4 courses" and has a "Create a Course" button. A "Open All" button is highlighted. The main area shows two sections: "Fall 2020" and "Spring 2020". Each section has a table with columns: CourseNNN, Course #, Title, Section #, Instructor, Language, and Section Access Code. Each row in the table has a "Go" button, a "Clone" button, and a "Configure" button.

CourseNNN	Course #	Title	Section #	Instructor	Language	Section Access Code
53896	CS1	Generic PYTHON3 CodeLab	(33 students)	Grozdanov	Python 3	TCAB-27733-GKRP-44
55029	c200	Practical Prog.: An Intro To CS Using Python	(0 students)	Grozdanov	Python 3	TCAB-26839-WDUX-46
55030	c200	Generic PYTHON3 CodeLab	(28 students)	Grozdanov	Python 3	CEGE-28840-ZYUX-46

CourseNNN	Course #	Title	Section #	Instructor	Language	Section Access Code
54035	1	Practical Prog.: An Intro To CS Using Python	(33 students)	Grozdanov	Python 3	TCAB-27869-YCXY-44

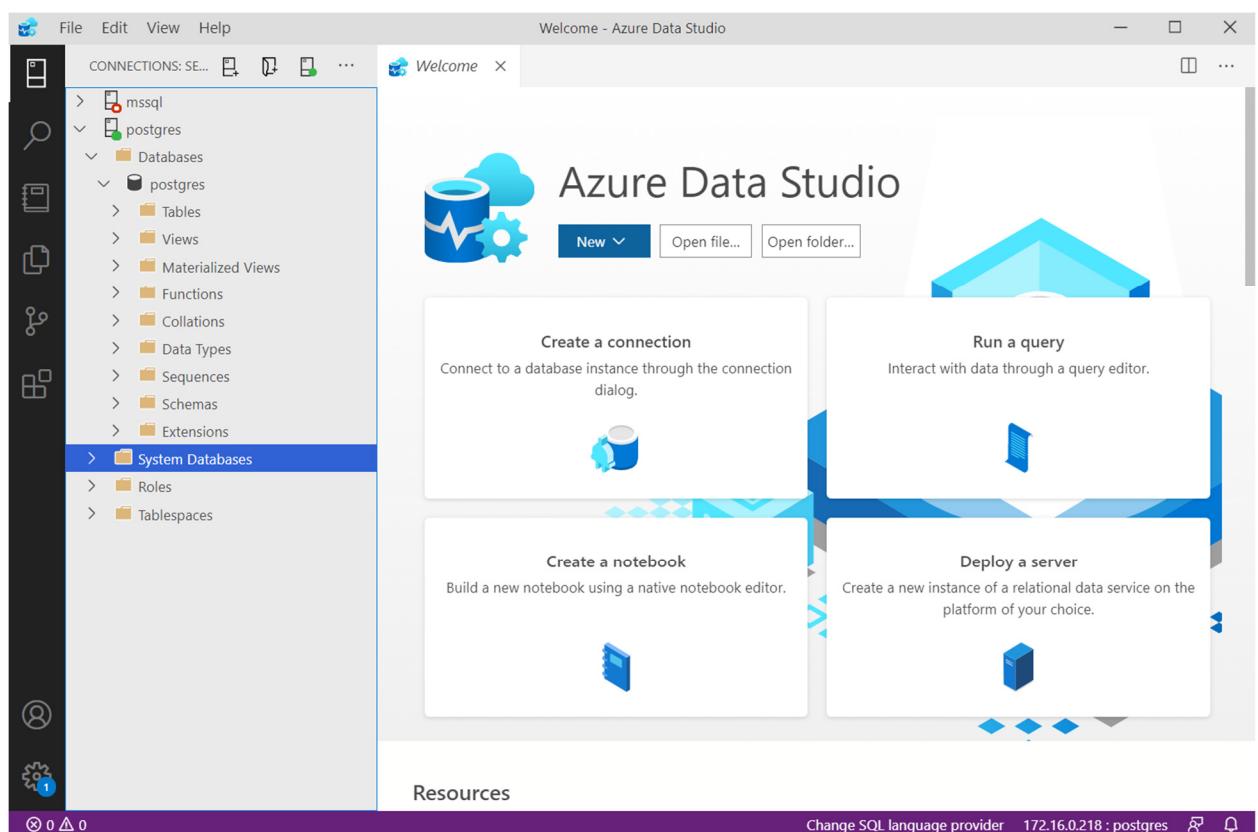
The screenshot shows the freeCodeCamp.org responsive web design certification page. At the top, it says "Success! You have signed in to your account. Happy Coding!" and has links for "/news", "/forum", and "/learn". Below that, it says "Welcome to freeCodeCamp.org" and has buttons for "View my Portfolio", "Update my account settings", and "Go to current challenge". A quote by William Shakespeare is displayed: "We know what we are, but not what we may be." - William Shakespeare. The main content area shows a "Responsive Web Design Certification (300 hours)" section with a progress bar at 25/28. It lists a "Basic HTML and HTML5" module with several tasks completed, such as "Introduction to Basic HTML and HTML5", "Say Hello to HTML Elements", and "Headline with the h2 Element".

The screenshot shows the freeCodeCamp.org responsive web design certification page for the "CatPhotoApp" challenge. At the top, it says "Success! You have signed in to your account. Happy Coding!" and has a "Menu" button. The main content area shows a "Responsive Web Design" section with a "Basic HTML and HTML5" module. A specific task is highlighted: "Nest Many Elements within a Single div Element". The task instructions say: "The `div` element, also known as a division element, is a general purpose container for other elements. The `div` element is probably the most commonly used HTML element of all. Just like any other non-self-closing element, you can open a `div` element with `<div>` and close it on another line with `</div>`. Nest your 'Things cats love' and 'Top 3 things cats hate' lists all within a single `div` element. Hint: Try putting your opening `div` tag above your 'Things cats love' `p` element and your closing `div` tag after your closing `ol` tag so that both of your lists are within one `div`." Below this, there are buttons for "Run the Tests", "Reset All Code", and "Get Help". A note says: "Your `p` elements should be nested inside your `div` element." Another note says: "Your `ul` element should be nested inside your `div` element." On the right side, there is a sidebar for "CatPhotoApp" with a cat photo, a list of things cats love (catnip, laser pointers, lasagna), a list of top 3 things cats hate (flea treatment, thunder, other cats), and a form to submit a cat photo URL. The sidebar also includes checkboxes for "Indoor" and "Outdoor", and checkboxes for "Loving", "Lazy", and "Energetic".

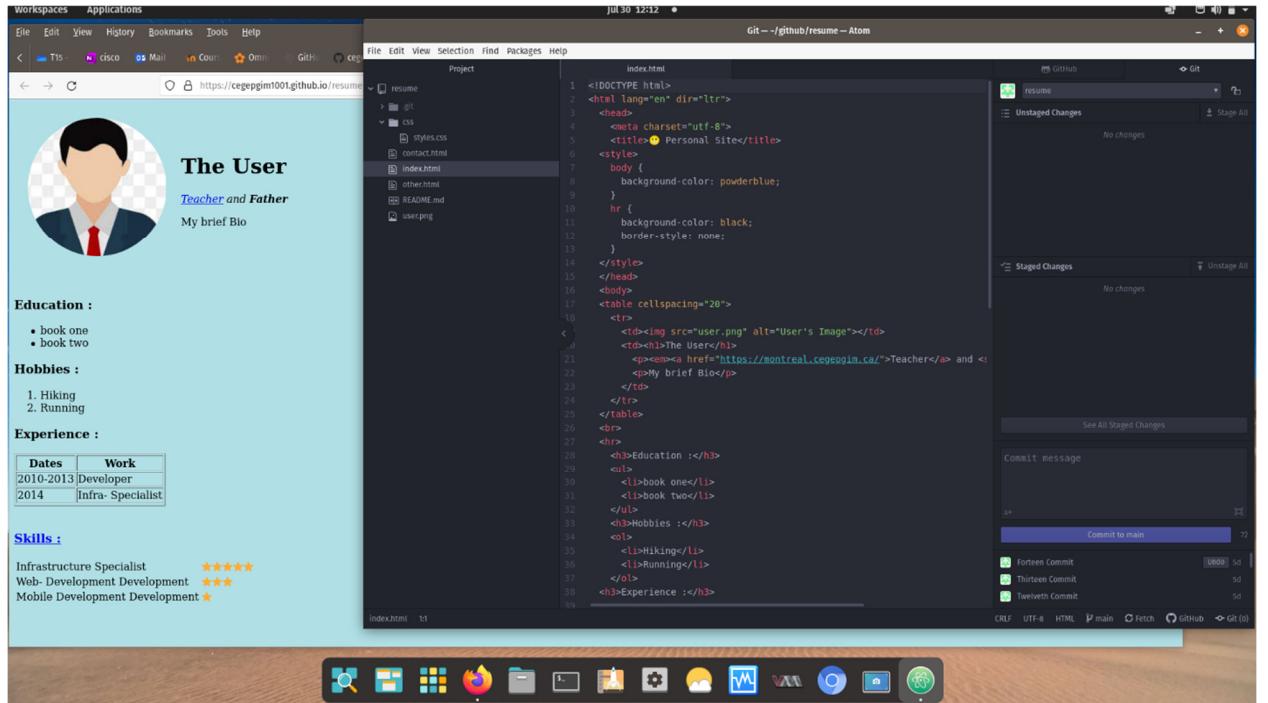
The screenshot shows a web-based code editor interface. At the top, there's a browser-style header with back/forward buttons, a search bar containing the URL <https://scrimba.com/learn/htmlcss/lists-cnZ3dnAJ>, and a tab labeled "Lists". Below the header is a dark-themed code editor. On the left, an "EXPLORER" sidebar shows a single file named "index.html". The main area contains the following HTML code:

```
<html>
  <head></head>
  <body>
    <h1>Lists are really useful</h1>
    <ol>
      <li>List item one</li>
      <li>a second list item</li>
      <li>a third item here</li>
      <li>yet another list item</li>
    </ol>
  </body>
</html>
```

On the right side of the editor, there are buttons for "RUN", "PREVIEW", and "CONSOLE". A preview window is open, showing the rendered HTML output with the heading "Lists are really useful" and the numbered list below it. At the bottom of the editor, there's a "Practice time!" button and a progress bar indicating the video is at 1:44.



7. Usage of Atom (and similar editors) with Git, and GitHub for testing full- stack web programming skills of the students :



8. Constant improvement of Linux, and Security skills, as well as adding additional materials for the students:

a. RedHat Academy :



Redhat.com Support FAQ

English agrozdakov

Red Hat Academy

Manage Classes Create Announcements Access Resources View Courses and Certifications Get Trained and Certified Interact with Learning Community Give Feedback Get Support

Version 10.3-beta-patch

Manage Classes

No classes found

Create class

Is this a Custom class? This is a custom class

Select course* Select date range*

Drop CSV file here to bulk upload student Red Hat Network (RHN) IDs. Red Hat Network ID can be created by visiting sso.redhat.com

Or select file

RHN ID* Email* First Name* Last Name*

Red Hat Network Id... Email associated with the RHN ID... First name... Last name...

Reset Add Student

RHN ID Email First Name Last Name

No students added to this class

Custom label for class

Enable Certificate of Attendance button when student progress reaches: * 0/36

Select Percentage

Confirm class type* Class type is Instructor Led Training

Cancel Create

CERTIFICATE OF ATTENDANCE

Asen Grozdanov

NAME

RHCSA Running Containers (RHCSA650E)

COURSE

Dec. 17, 2020

DATE



KEN GOETZ

Vice president, Global Training Services at Red Hat



CERTIFICATE OF ATTENDANCE

Asen Grozdanov

NAME

Red Hat OpenShift I: Containers & Kubernetes (DO180)

COURSE

Dec. 17, 2020

DATE

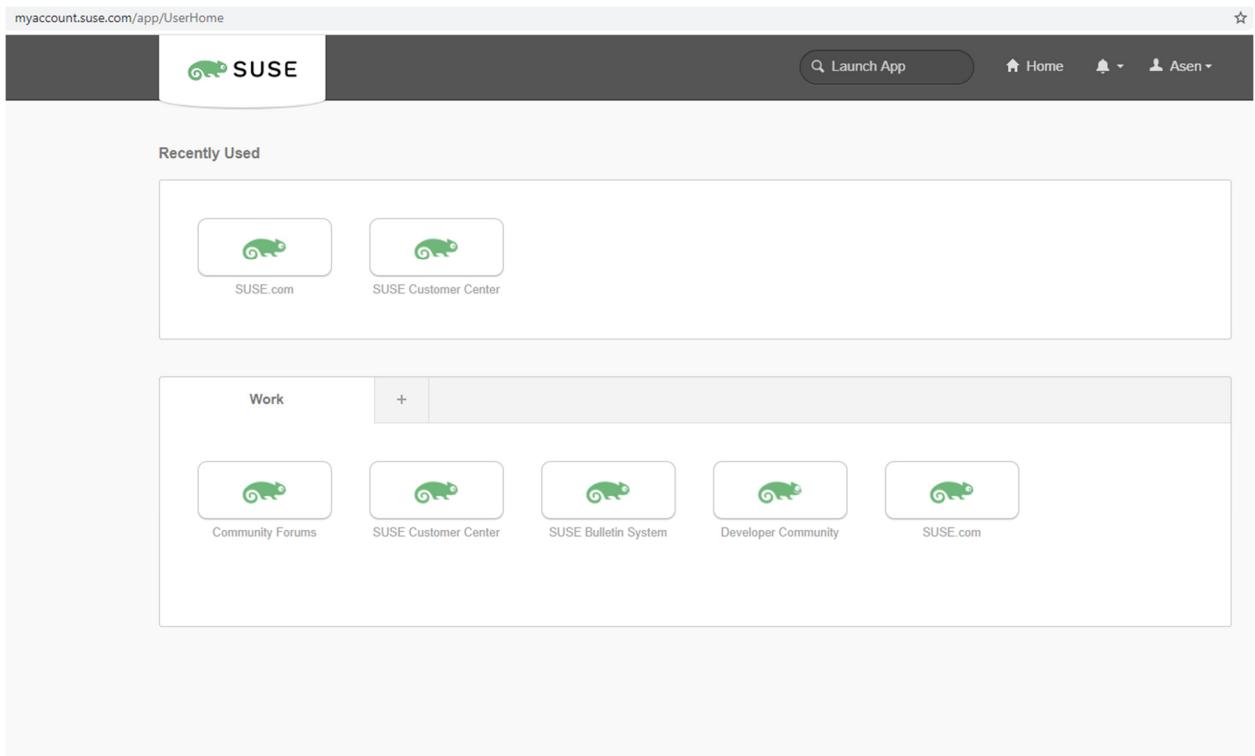


KEN GOETZ

Vice president, Global Training Services at Red Hat



b. SuSe Academy :



myaccount.suse.com/app/UserHome

SUSE

Launch App

Home

Asen

Recently Used

SUSE.com

SUSE Customer Center

Work

+

Community Forums

SUSE Customer Center

SUSE Bulletin System

Developer Community

SUSE.com

The screenshot shows the SUSE website at suse.com/download/. The header includes the SUSE logo, navigation links for Products and Solutions, and a user account dropdown for 'Hi Asen' with options to Update Your Account or Log Out. The main content area features a large heading 'Free Downloads' and a sub-header stating 'Software patches are now available through your account in the [SUSE Customer Center](#)'. Below this, there are five download cards for different SUSE products:

- SUSE Linux Enterprise Server**: Improve uptime, increase efficiency, and accelerate innovation with best-of-breed performance and reduced risk. Download button.
- SUSE Linux Enterprise Server for SAP Applications**: The leading platform for SAP solutions on Linux and the recommended and supported OS of choice for SAP HANA. Download button.
- SUSE Linux Enterprise Real Time**: Reduce the latency and increase the predictability and reliability of time-sensitive mission-critical applications. Download button.
- SUSE Linux Enterprise Desktop**: Designed for mixed IT environments, SUSE Linux Enterprise Desktop offers the security, manageability, and efficiency of Linux. Download button.
- SUSE Linux Enterprise High Availability Extension** and **SUSE Linux Enterprise Workstation Extension**: Both are designed for mixed IT environments. SUSE Linux Enterprise Workstation Extension is highlighted with a green checkmark icon and the text 'Great to see you again! Wondering what SU you? Start here!'.

The screenshot shows the SEED Labs website at seed-labs.org. The header includes a navigation bar with links for Home, Lab Setup, SEED Labs, Books, Lectures, Workshops, Documentations, and News. The main content area features a large green box with the heading 'Hands-on Labs for Security Education'. It includes a brief description: 'Started in 2002, funded by a total of 1.3 million dollars from NSF, and now used by over a thousand educational institutes worldwide, the SEED project's objective is to develop hands-on laboratory exercises (called SEED labs) for computer and information security education and help instructors adopt these labs in their curricula.' Below this, there are four sections with icons and descriptions:

- SEED Labs**: We have developed over 30 labs that cover a wide range of topics in computer and information security, including software security, network security, web security, operating system security and mobile app security. More labs are currently being developed. [MORE](#)
- SEED Books**: I have written a [textbook](#) based on the SEED labs and my 18 years of teaching experience. The book takes a hands-on approach: for each security principle, specially designed activities are used to help explain the principle. The book is available on [Amazon](#). [MORE](#)
- SEED Lectures**: I have recorded 32 hours of lecture videos based on the SEED labs and the SEED book. They are available on [Udemy](#) as two courses, covering 22 SEED labs and 17 chapters, with a lot of hands-on demonstration. More lectures are being recorded, so stay tuned. [MORE](#)
- SEED Workshop**: We hold SEED Workshops to provide hands-on training to the instructors around the world. In 2020, we held 2 online workshops. If you are interested in sponsoring a workshop for your organization or community, please contact us. [MORE](#)

On the right side, there are news & events sections:

- News & Events**
- Join our Group** ([LinkedIn](#))
- Labs published in 2020**:
 - Shellcode lab
 - TLS lab
 - IP attacks lab
 - VPN tunneling lab
- Sep 15, 2020**: Findings from our summer online SEED workshop.
- May 18, 2020**: The Chinese version of my book is published.
- Apr 13, 2020**: Published my second Udemy course ([Internet Security](#)).
- Dec 15-19, 2019**: Successfully held a 5-day SEED workshop in Riyadh, Saudi Arabia.



9. Working with container- technologies :

The screenshot shows a Linux desktop environment with several windows open:

- Terminal Window:** Shows a root shell session on a host machine (10.0.2.2) connected via SSH to a container (root@127.0.0.1). The user is performing tasks like copying files and running Docker commands.
- Dockerfile Editor:** An IDE window titled "Dockerfile" showing the Dockerfile content:

```

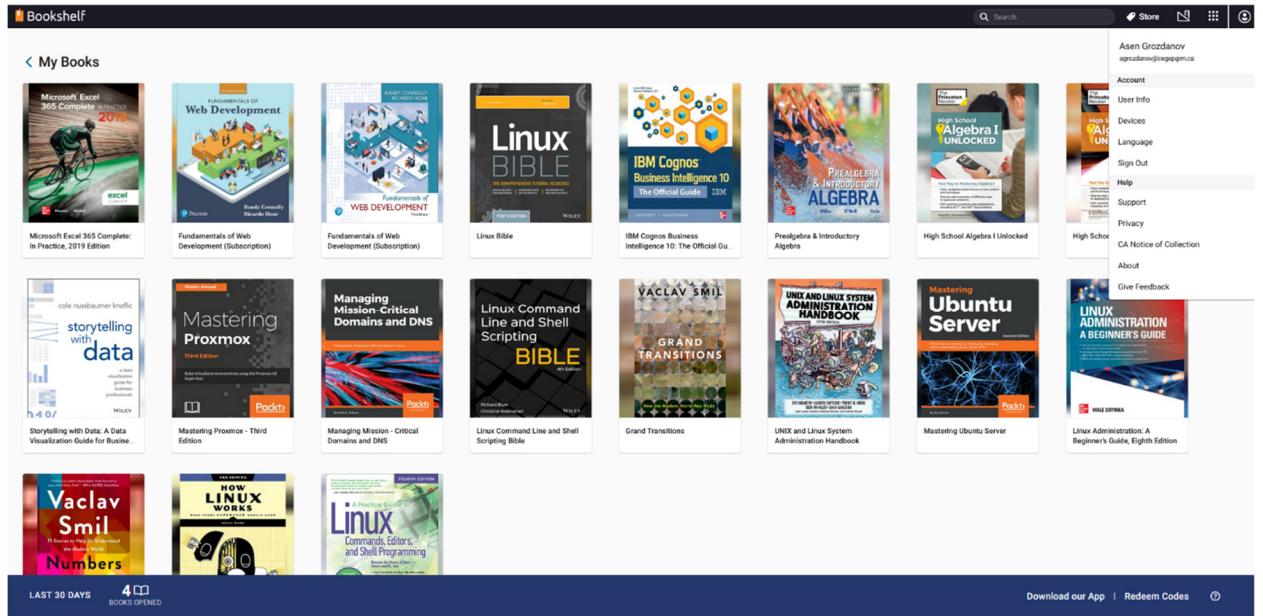
1 FROM ubuntu
2 MAINTAINER Asen <asen.grozdanov@canadaacumen.ca>
3
4 #skip the Prompts
5 ARG DEBIAN_FRONTEND=noninteractive
6
7 # Update Packages
8 RUN apt update; apt dist-upgrade -y
  
```

The Dockerfile specifies an Ubuntu base image, a maintainer, and various build-time arguments and commands.

Browser Window: A browser showing the Nginx welcome page at localhost:9999.

Bottom: A decorative footer image of sand dunes.

10. Keeping live contact with several Editorial Houses in order to be able to check the newest papers going out :



to be continued to document 2