uCertify

Course Outline

CISSP Third Edition uCertify

29 Mar 2024

1. Course Objective
2. Expert Instructor-Led Training
3. ADA Compliant & JAWS Compatible Platform
4. State of the Art Educator Tools
5. Award Winning Learning Platform (LMS)
6. Live labs

   Lab Tasks

   Here's what you get

1. 📖 Course Objective

Gain hands-on expertise in the ISC2 CISSP certification exam with CISSP Third edition live-lab. Live-lab is a real computer equipment, networked together and conveniently accessible over the internet using virtualization. It has equipment such as a computer, server, switch or router in it that a user is free to configure. The live-labs offer coverage of all the objectives of ISC2 CISSP certification exam. The labs are versatile and easy to learn that will help in understanding all the exam topics with real-world scenarios.

2. 👥 Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

3. ⊗ ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

4. 🔧 State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

5. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
    1. Best Postsecondary Learning Solution

- **2015**
    1. Best Education Solution
    2. Best Virtual Learning Solution
    3. Best Student Assessment Solution
    4. Best Postsecondary Learning Solution
    5. Best Career and Workforce Readiness Solution
    6. Best Instructional Solution in Other Curriculum Areas
    7. Best Corporate Learning/Workforce Development Solution

- **2016**
    1. Best Virtual Learning Solution
    2. Best Education Cloud-based Solution
    3. Best College and Career Readiness Solution
    4. Best Corporate / Workforce Learning Solution
    5. Best Postsecondary Learning Content Solution
    6. Best Postsecondary LMS or Learning Platform
    7. Best Learning Relationship Management Solution

- **2017**
    1. Best Overall Education Solution
    2. Best Student Assessment Solution
    3. Best Corporate/Workforce Learning Solution
    4. Best Higher Education LMS or Learning Platform

- **2018**
    1. Best Higher Education LMS or Learning Platform
    2. Best Instructional Solution in Other Curriculum Areas
    3. Best Learning Relationship Management Solution

- **2019**
    1. Best Virtual Learning Solution
    2. Best Content Authoring Development or Curation Solution
    3. Best Higher Education Learning Management Solution (LMS)

- **2020**
    1. Best College and Career Readiness Solution
    2. Best Cross-Curricular Solution
    3. Best Virtual Learning Solution

6. Live Labs

The benefits of live-labs are:

- Exam based practical tasks
- Real equipment, absolutely no simulations
- Access to the latest industry technologies
- Available anytime, anywhere on any device
- Break and Reset functionality
- No hardware costs

Lab Tasks

Security and Risk Management

- Taking Incremental Backup
- Taking a Full Backup
- Configuring RAID 5
- Assigning Permissions to Folders
- Setting Up Kerberos Delegation

Asset Security

- Completing the Chain of Custody
- Configuring User Access Control Setting
- Restricting Local Accounts
- Using Windows Firewall
- Configuring Linux Firewall Using Iptable

Security Architecture and Engineering

- Encrypting the Disk
- Encrypting a File or Folder
- Generating a Symmetric Key
- Generating an Asymmetric Key
- Using OpenSSL to Create a Public/Private Key Pair
- Observing an MD5-Generated Hash Value
- Observing an SHA-Generated Hash Value
- Causing a DarkComet Trojan Infection
- Using the John the Ripper Tool
- Attacking a Website Using XSS Injection
- Conducting a Cross-Site Request Forgery Attack
- Using Social Engineering Techniques to Plan an Attack
- Configuring Audit Group Policy
- Enabling Intrusion Prevention and Detection

- Using Burp Suite
- Performing DoS Attack with SYN Flood

Communication and Network Security

- Configuring VLAN
- Configuring a VPN
- Performing ARP Spoofing
- Setting Up a Honeypot
- Creating ACL (Access Control Lists) in router
- Configuring IPSec
- Configuring Static Routing
- Configuring Dynamic Routing
- Configuring Static NAT
- Configuring Dynamic NAT
- Defending against IP Spoofing
- Performing Session Hijacking Using Burp Suite

Identity and Access Management (IAM)

- Configuring Standard Access Control List
- Configuring Extended Access Control List
- Configuring User Access Control Settings in Windows
- Creating ACL with Iptables
- Creating a Password Policy in Windows
- Creating a Password Policy in Linux

Security Assessment and Testing

- Reviewing an Authorization Letter for Penetration Testing
- Using nmap for Scanning
- Scanning Ports Using Metasploit
- Exploiting Windows 7 Using Metasploit
- Enabling a Keylogger in a Target Machine

Security Operations

- Conducting Vulnerability Scanning Using Nessus
- Configuring Snort

Software Development Security

- Exploiting a Website Using SQL Injection

Here's what you get

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LIVE LABS

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