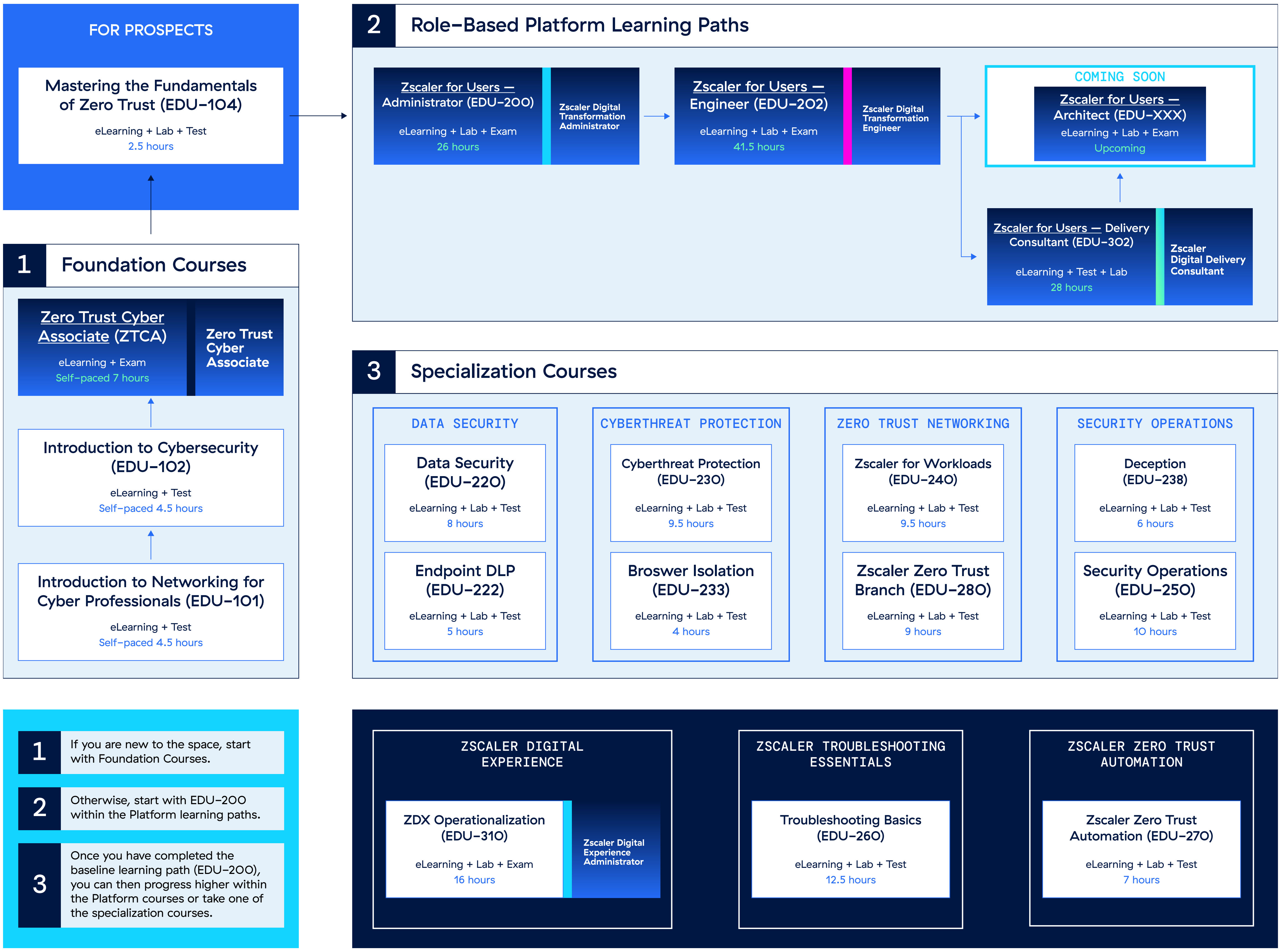
Zscaler Cyber Academy

Ransomware Protection (EDU-232)

COURSE OUTLINE

Zscaler Cyber Academy Catalog



FOR PROSPECTS

Mastering the Fundamentals of Zero Trust (EDU-104)
eLearning + Lab + Test
2.5 hours

2 Role-Based Platform Learning Paths

Zscaler for Users – Administrator (EDU-200)
eLearning + Lab + Exam
26 hours
Zscaler Digital Transformation Administrator

Zscaler for Users – Engineer (EDU-202)
eLearning + Lab + Exam
41.5 hours
Zscaler Digital Transformation Engineer

COMING SOON
Zscaler for Users – Architect (EDU-XXX)
eLearning + Lab + Exam
Upcoming

Zscaler for Users – Delivery Consultant (EDU-302)
eLearning + Test + Lab
28 hours
Zscaler Digital Delivery Consultant

1 Foundation Courses

Zero Trust Cyber Associate (ZTCA)
eLearning + Exam
Self-paced 7 hours
Zero Trust Cyber Associate

Introduction to Cybersecurity (EDU-102)
eLearning + Test
Self-paced 4.5 hours

Introduction to Networking for Cyber Professionals (EDU-101)
eLearning + Test
Self-paced 4.5 hours

3 Specialization Courses

DATA SECURITY

Data Security (EDU-220)
eLearning + Lab + Test
8 hours

Endpoint DLP (EDU-222)
eLearning + Lab + Test
5 hours

CYBERTHREAT PROTECTION

Cyberthreat Protection (EDU-230)
eLearning + Lab + Test
9.5 hours

Broswer Isolation (EDU-233)
eLearning + Lab + Test
4 hours

ZERO TRUST NETWORKING

Zscaler for Workloads (EDU-240)
eLearning + Lab + Test
9.5 hours

Zscaler Zero Trust Branch (EDU-280)
eLearning + Lab + Test
9 hours

SECURITY OPERATIONS

Deception (EDU-238)
eLearning + Lab + Test
6 hours

Security Operations (EDU-250)
eLearning + Lab + Test
10 hours

1 If you are new to the space, start with Foundation Courses.

2 Otherwise, start with EDU-200 within the Platform learning paths.

3 Once you have completed the baseline learning path (EDU-200), you can then progress higher within the Platform courses or take one of the specialization courses.

ZSCALER DIGITAL EXPERIENCE

ZDX Operationalization (EDU-310)
eLearning + Lab + Exam
16 hours
Zscaler Digital Experience Administrator

ZSCALER TROUBLESHOOTING ESSENTIALS

Troubleshooting Basics (EDU-260)
eLearning + Lab + Test
12.5 hours

ZSCALER ZERO TRUST AUTOMATION

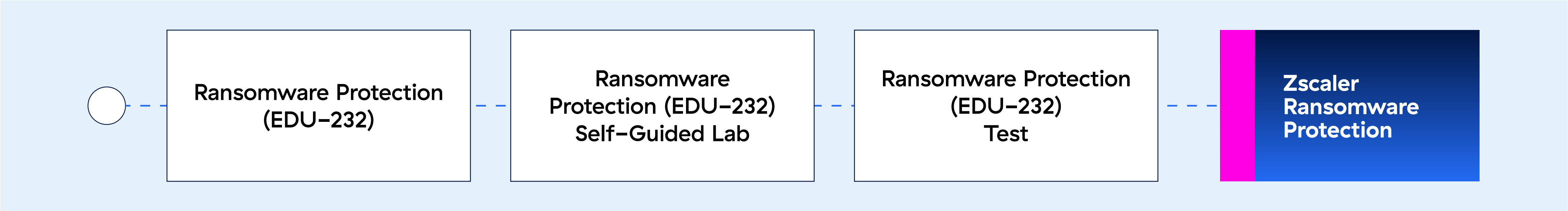
Zscaler Zero Trust Automation (EDU-270)
eLearning + Lab + Test
7 hours

Ransomware Protection (EDU-232) Learning Journey Map

To earn the Ransomware Protection completion Certificate, first complete the e-learning course and Self-Guided labs. Then, take the test, which consists of 20 questions to be answered within 90 minutes. You have 3 re-tests to pass.

OUR LEARNING PATH

Ransomware Protection (EDU–232) Learning Path


Ransomware Protection (EDU–232)

Ransomware Protection (EDU–232) Self–Guided Lab

Ransomware Protection (EDU–232) Test

Zscaler Ransomware Protection

LEARNING OUTCOMES

Once you complete this course, you will be able to:

- Describe what ransomware is, how it has evolved over time, and different types of ransomware extortion techniques used by attackers
- Explain each stage of a ransomware attack, from initial infiltration to the execution of an attack
- List the key aspects in ransomware prevention
- Identify the functionalities of Zscaler's suite of tools and how they effectively combat ransomware
- Interpret practical scenarios on how to identify and mitigate potential ransomware threats using Zscaler's advanced security services
- Classify various strategies and best practices for ransomware prevention and response, focusing on proactive measures and rapid detection

eLearning Details

Prerequisites	None
Proficiency	Advanced
Description	This module will arm you with the knowledge to recognize ransomware attacks, understand their mechanisms, and implement strategies to defend against them using Zscaler's advanced security services.
Duration	5 hours
Type	Self–paced
Completion Criteria	Complete the eLearning and Test
Available Language(s)	English
Price per Seat	Free

eLearning Outline

Topics	Sub Topic
What Is Ransomware?	• Ransomware Overview • Evolution in Ransomware • Typical Ransomware Attack Sequence • Ransomware Extortion
How to Stop Ransomware Attacks?	• Ransomware Protection Requires a Zero Trust Architecture • Overview of the Zscaler Cyberthreat Protection Services suite
TLS Inspection	• What is TLS Inspection? • Why is it important to decrypt and inspect these transactions? • Cyber Security Services TLS Inspection • SSL Inspection ZIA Configuration Demo • SSL Inspection ZPA Configuration Demo
Advanced Threat Protection	• What does Advanced Threat Protection do? • The Role of Command and Control (C2) Channels in Cyber Attacks • Cyber Security Services Advanced Threat Protection
Intrusion Detection & Prevention	• Intrusion Detection & Prevention (IPS) Overview • Cyber Security Services intrusion Detection & Prevention (IPS)
Antivirus/Malware Protection	• Antivirus / Malware Overview • Common Malware Types • Antivirus / Malware Overview
Cloud Sandbox	• What is Cloud Sandbox? • Cloud Sandbox Policies
URL Filtering	• What is URL Filtering? • URL Filtering Use cases • URL Filtering Policies &Criteria • File Type Control • URL Filtering and File Type Control Demo • Threat Protection ZIA Demo
Browser Isolation	• Browser Isolation Overview • Why Browser Isolation? • Setting Up Browser Isolation • Browser Isolation Use Cases • Browser Isolation Configuration Demo
Detection & Response	• Detection & Response

Topics	Sub Topic
Private Access AppProtection	• What is Private Access AppProtection? • Operationalizing AppProtection • AppProtection Configuration Demo
Zscaler Deception	• Zscaler Deception Overview • Zscaler Deception • Zscaler Deception Demo
Data Protection	• What is Zscaler Data Protection? • Data Protection Services Introduction • Data Protection Services use cases

Hands-On Lab Details

Prerequisites	Data Protection self paced e-learning course
Proficiency	Advanced
Description	The Ransomware Protection (EDU-232) lab allows students to practice the skills they learned in the eLearning portion. In this lab, students will develop hands-on skills and knowledge on how to use Zscaler cyberthreat protection to detect compromised users, stop lateral movement, and defend against human-operated ransomware, hands-on keyboard threats, supply chain attacks, and malicious insiders.
Duration	4 hours
Type	Self-paced hands-on lab
Completion Criteria	Complete all hands-on labs
Available Language(s)	English
Price per Set	US $600 (2 credits)

Lab Outline

Task	Sub Task
Connecting to the Virtual Lab	• Log into Client Connector and verify traffic forwarding to Zscaler
Securing Access to Internet	• Configuring EUNs for Endpoint DLP • Configuring EUNs for Inline Web DLP
Inspecting Unknown Files through Advanced Cloud Sandbox	• Review Sandbox Configuration • View Sandbox Activity Report
Enforcing Safe Access to Internet & SaaS Applications using Content Filtering & Access Control	• View Content Filtering Controls • Test End User Experience with Content Filtering
Reducing Risk by Isolating Risky Websites	• Test Browser Isolation User Experience & Threat Prevention Capabilities • Review Browser Isolation Configuration & Settings
Extending Zero Trust with Deception-Based Active Defense	• Navigate the Zscaler Deception Administrator Console
Protecting Data Against Exfiltration	• Enforce Policy based on File Type and Context • Protecting Data in Motion • Protecting Data at Rest

Certificate Exam Details

Prerequisites	Ransomware Protection (EDU-232) eLearning course and Self-Guided Lab
Duration	90 minutes
Test format	50 Objective Questions
Available Language(s)	English

About Zscaler

Zscaler (NASDAQ: ZS) accelerates digital transformation so customers can be more agile, efficient, resilient, and secure. The Zscaler Zero Trust Exchange™ platform protects thousands of customers from cyberattacks and data loss by securely connecting users, devices, and applications in any location. Distributed across more than 150 data centers globally, the SSE-based Zero Trust Exchange™ is the world's largest in-line cloud security platform. Learn more at **zscaler.com** or follow us on Twitter **@zscaler**.

+1 408.533.0288 **Zscaler, Inc. (HQ) • 120 Holger Way • San Jose, CA 95134** **zscaler.com**

zscaler™

Zero Trust Everywhere