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Zscaler training: The Zero-Trust security model

3 days (21 hours)

Presentation

The [Zscaler](#) training course will introduce you to this cloud-based SaaS security platform. It will teach you how to establish a fast, secure connection between the user and any application.

During your training, you'll learn about the main themes of the [Zero-Trust](#) model used by Zscaler to secure its resources effectively.

You'll **learn how** the Zscaler Internet Access (ZIA) service works, and how to use it to protect yourself against cyber-attacks and data loss.

This tool is made for your business, and with our training, you'll become adept at securing your users, your workloads and even your IoT devices.

As with all our training courses, this Zscaler course will introduce the latest version of the tool, [Zscaler Client Connector 4.1](#).

Objectives

- Use Zscaler to secure network connections for applications and cloud services
- Learn and understand security architecture on Zscaler
- Understand the value and basic functionality of Zscaler's advanced configurations

Target audience

- System administrators

- Cloud engineers
- IT security engineers

Prerequisites

- Basic knowledge of SaaS
- Basic knowledge of corporate security

Zscaler Training Program

Introduction

- Introducing Zscaler ?
- Executive Insights application
- Zscaler Internet Access (ZIA) configuration guide
- Administration portal

Authentication & Administration

- Administrator and role management
- User management and authentication parameters
- Identity proxy settings
- Configuring the Zscaler identity proxy for Cloud applications
- Administrator SSO authentication

Traffic transfer

- About Zscaler's authoritative DNS servers
- Zscaler customer connector
- DNS resolution control for various traffic transfer methods
- Modifying a sub-cloud
- Determining the optimal MTU for GRE or IPSec tunnels
- Check that user traffic is routed to the Zscaler service
- Alternative options to web traffic caching
- Choice of traffic transfer methods
- Zscaler traffic bypass

Browser isolation in the cloud

- Creating a ZIA isolation profile
 - Profile modification
 - Profile deletion
- Default isolation profiles in Cloud browser isolation
- Access to network diagnostics

- Banner theme selection for end-user notification in Cloud
- Adding and deleting themes
- Add a custom root certificate for isolation
 - Root certificate modification
 - Root certificate deletion
- User experience mode in Cloud browser isolation
- Limits

Partner integration

- SD-WAN partner key management
- Microsoft Azure virtual WAN integration
- Integration with CrowdStrike
- View the CrowdStrike Endpoint Hits report
- Integration with Microsoft Cloud App Security
- Integration with Microsoft Defender for Endpoint
- View Microsoft Defender endpoint report

Troubleshooting

- Zscaler Analyzer
- Avoid Google's captcha and geolocation problems
- QUIC protocol management
- Support for Citrix XenApp and XenDesktop applications
- Remote assistance activation
- Capture HTTP headers on Chrome, Safari and Firefox
- Using Zscaler's cloud performance testing tool

Architecture

- ZIA deployment
- TLS/SSL inspection with ZIA
- Traffic transfer in ZIA
- Understanding security and confidentiality architecture

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.