

KL 004.2.1:

Kaspersky SD-WAN

Featured products

- Kaspersky SD-WAN 2.1

Course description

Kaspersky SD-WAN is an enterprise solution for centralized WAN management.

This course explains the architecture of the solution, introduces its capabilities and provides examples of how to configure it.

Our course consists of theoretical materials describing the principles of operation, configuration and troubleshooting, and hands-on labs to gain practical experience.

Upon successful completion of this course, participants will be able to:

- Understand the benefits of software-defined wide area networks over traditional networks
- Understand the specifics of different transport services
- Create new transport services and manage existing ones
- Configure channel selection rules based on the current state of all available channels
- Manage dynamic routing within an SD-WAN network and at its junction with a legacy network

Duration

2 days

Requirements for participants

The course is designed for technical support and pre-sales engineers. Attendees are required to possess:

- Basic understanding of networking technologies, such as TCP/IP, OSPF and BGP routing, VRRP, tunneling at the CCNP/HCNP level
- Understanding of how applications use HTTP/HTTPS and VoIP
- Basic knowledge of Windows and Linux administration
- Basic knowledge of information security principles

Contents

1. Introduction to SD-WAN

- 1.1. What is an SD-WAN?
- 1.2. Capabilities
- 1.3. Benefits
- 1.4. Statistics
- 1.5. Relevant industries
- 1.6. Solution components
- 1.7. Use cases

2. Pre-deployment

- 2.1. Components and capabilities
- 2.2. Deployment schemas
- 2.3. High availability
- 2.4. Requirements

3. Deployment

- 3.1. Deploying the orchestrator
- 3.2. Preparing to deploy the SD-WAN service
- 3.3. CPE deployment
- 3.4. Deployment of the SD-WAN service

4. Operation and maintenance

- 4.1. CPE management
- 4.2. Traffic management
- 4.3. Zabbix
- 4.4. Troubleshooting

Labs

- Lab 1.** Connect to the Kaspersky SD-WAN management console and create a tenant
- Lab 2.** Prepare a physical network function template and deploy an SD-WAN service
- Lab 3.** Prepare templates of client network devices and connect them to the Kaspersky SD-WAN service
- Lab 4.** Configure the Multipoint-to-Multipoint service
- Lab 5.** Configure connection with legacy networks
- Lab 6.** Test backup and automatic channel failover
- Lab 7.** Enable connection quality monitoring and check channel failover when thresholds are exceeded
- Lab 8.** Enable Forwarding Error Correction and check its health
- Lab 9.** Use REST API to create a new tenant and tenant administrator