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1. Overview

This document is the syllabus for the *Constructing Secure Optimized WANs V2.0* course. It mainly introduces the examination content of the *Constructing Secure Optimized WANs V2.0* course. This document is prepared by H3C University and is mainly used to guide the candidates who participate in the *Constructing Secure Optimized WANs V2.0* course examination.

2. Examination Item Description

2.1 Examination Introduction

Participants

There are no special requirements for candidates in this examination. Any person who is not specifically prohibited by H3C can register for the examination directly.

Contents

The examination content includes but is not limited to the content covered by the *Constructing Secure Optimized WANs V2.0* course. Most of examination knowledge comes from teaching materials and training, but individual topics may be beyond the scope of the teaching materials and training.

Examination Code

GB0-391

Duration

60 minutes

Number of Questions

50 single/multiple choice questions, judgment questions, and gap filling questions

Pass Score

The total score is 1000 points. A candidate is considered to pass the examination with at least 600 points.

2.2 Registration

This certification examination is conducted by the PROMETRIC Test Platform. If you want to take this certification examination, Visit PROMETRIC's official website (www.prometric.com) to inquire and contact the test center for registration.

3. Knowledge Points Distribution

The following describes the distribution of knowledge points in the GB0-391 examination.

Secure Optimized WAN Overview

Enterprise network model: SOA-based network architecture, hierarchical network model, and H3C enterprise network architecture

Remote network connection requirements: major technologies used in Constructing Secure Optimized WANs

Broadband Access Technologies

Mainstream broadband access technologies: basic principles and configurations of PPPoE, key technologies and configurations of PON/EPON, EPCN, ADSL, and ADSL2/2+ technologies

Conventional VPN Technologies

Basic concepts of VPN

Principles and configurations of the GRE VPN

Principles and configurations of the L2TP VPN

Secure VPN Technologies

Data security technology basics: basic concepts of data security, including encryption and decryption, integrity, and PKI

IPSec VPN: architecture, basic principles, configurations, IPSec protection, and traditional VPN data technologies

SSL VPN: system architecture and basic principles

BGP/MPLS VPN

Basic principles of MPLS: concepts and terms, label distribution, and label switching

BGP MPLS VPN: multi-VRF and MP-BGP, data forwarding process of the BGP/MPLS VPN, configurations, applications and basic troubleshooting of the BGP/MPLS VPN

Network Security

Main source of network threats, main concerns of constructing secure networks, and main technologies and management methods involved in constructing secure networks

Quality of Service

Basic concepts and service models of Quality of Service

Basic principles and configurations of traffic policing, traffic shaping, congestion management, and congestion avoidance in the DiffServ service model

Link validity enhancement technologies: basic principles and configuration methods of IP header compression, PPP payload compression, and LFI

Open Application Architectures

Challenges faced by traditional structured network equipment and the advantages of open application architectures, components included in open application architectures and the relationships among them, working modes and major application scenarios of open application architectures, and the concepts of linkage and management as well as implementation modes

Note:

The information provided in this document is for reference only and H3C reserves the rights to adjust the questions, time, and scores without notifying candidates.

H3C University