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Cisco recently announced a new CCIE Sec v5 detailed plan & it has been much awaited for updates. We now have unified exam topics covering topics for both writing & lab versions. Here's what it looks like: Unified Exam Topics Security Perimeter and Advanced Intrusion Prevention threat protection and secure content security connectivity and segmentation management, information exchange and access infrastructure security, virtualization and automation development of the first 5-part technology is for laboratory testing. Finally only for written tests & includes technologies such as IoT, SDN, Cloud, etc. Laboratory testing equipment Most devices are going virtual as such, let's List what we have in new blueprint Virtual Machines Security Appliances Cisco Identity Services Engine (ISE); 2.1.0 Cisco Secure Access Control System (ACS); 5.8.0.32 Cisco Web Security Appliance (WSA); 9.0.2.0 Cisco Secure Access Control System (ACS); 5.8.0.32 Cisco Web Security Appliance (WSA); 9.2.0 Cisco Email Security Device (ESA); Cisco 9.Wireless Controller. 7.1 (WLC); Cisco Firepower 8.0.133 Virtual Devices: 6.0.1 and/or 6.1 Cisco Firepower NGIPSv; 6.10.1 Cisco Firepower Threat Defense: 6.0.1 IOSv L2 Core Devices: 15.2 IOSv L3; 15.5(2)T Cisco CSR 1000V Series Cloud Services Router : 15.2 IOSv L3; 15.5(2)T Cisco CSR 1000V Series Cloud Services Router: 15.2(2)T Cisco CSR 1000V Series Cloud Services Router: 15.2 IOSv L3; 15.5(2)T Cisco CSR 1000V Series Cloud Services Router: 15.2 IOSV 3; 15.5(2)T Cisco CSR 1000V Series Cloud Services Router: 15.2 3.16.02.S Cisco Adaptive Security Virtual Appliance (ASAv); 9.6.1 Others Test PC: Microsoft Windows 7 Active Directory; Microsoft Windows Server 2008 Cisco Application Policy Infrastructure Controller Enterprise Module : 1.2 Cisco Unified Communications Manager : 8.6 (1) FireAMP Private Cloud AnyConnect 4.2 We have both ISE & ACS included as part of access control solutions. Content Security also includes Email Security Devices (ESA) in addition to Web Security Devices (WSA) Firepower is the primary focus & includes both firepower NGIPS and Firepower Threat Defense FTD (unified code for ASA and FirePOWER Services), along with Firepower Management Center FMC as the management platform. FireAMP will also be available through its own cloud device, which is used to protect advanced malware through big data analytics, policy, detection, and locally hosted protection. Cisco Catalyst Switch: C3850-12S 16.2.1 Cisco Adaptive Security Appliance: 5512-X; 9.6.1 Cisco 2504 Wireless Controller: 2504; 8.0.133.0 Cisco Aironet: 1602E; 15.3.3-JC Cisco Unified IP Phone: 7965; 9.2(3) ASA firewall has both virtual (ASAv) & physical (5512-X) devices in the lab, APIC-EM supports both of them. C3850 Catalyst switch is there Support features such as MACsec, Security Group Tags (SGT), Security Exchange Protocol (SXP) We will cover these technologies deep in the coming weeks. Stay tuned. Finally, Cisco made an official announcement about the upcoming changes to CCIE Security Version 5. Both the written test and the lab test will be changed directly starting January 31, 2017, giving you the usual 6-month window to pass the Version before the change to Version 5 occurs. In contrast to the old detailed plan, there are major changes in both the technical content and the format of the test delivery. As expected, the new exam topics are suitable for cisco's current Security product line with quite a lot of things not missing. Yes, you're right! Also, as expected, Cisco is trying to push the same exam delivery model to all CCIE tracks. Detailed plan to change the technical topic We now have a unified exam detailed plan, covering topics for both written and laboratory tests, similar to the change that was introduced with CCIE Data Center Version 2. The design for Version 5 is divided into 6 sections, the last part is only related to the written test: Perimeter Security and Intrusion Prevention Enhanced Threat Protection and Content Security and Security Identity Management, Information Exchange and Access Control Infrastructure Security, Virtualization and Automation Development Technology* Written Exam Only Topics Removed from Both Written and Laboratory Tests: EZVPN is out now, as expected, Cisco is moving forward its AnyConnect (IPsec and SSL) Remote Access VPN Legacy IPS Customers , or cisco's old IPS technology, is out now also There are a lot of topics added to the current detailed plan. As we no longer have different detailed plans for written and laboratory tests, it means what in the detailed plan can show in both exams. Although based on changes in laboratory testing equipment, some technologies cannot be configured in the laboratory exam, you may still get questions about these technologies in the new Diagnostics section of the laboratory exam. This means that you should be prepared for the technology according to the detailed plan, for both exams. New version theme 5: FirePOWER ASA Clustering NAT for IPv6 Cloud Web Security (CWS) Email Security Appliance (ESA) Content Security Management Appliance (SMA) Advanced Malware Protection (AMP) OpenDNS Lancope Virtual Security Gateway TrustSEC with SGT and SXP ACL, EVPN, VXLAN and NVGRE ISE Personas with multi-mode MDM integration with pxGRID ISE EAP-TEAP wireless concepts such as FlexCONNECT and ANCHOR NetFLOW/IPFIX and eStreamer APIC-EM Controller RESTful API in scenario languages such as Python Evolving Technologies (Cloud, SDN and IoT) only in the written test Change laboratory test equipment As previously rumored, in Version 5 we have many virtual devices : FirePOWER Management Center version 6.0.1 and/or 6.1 FirePOWER NGIPSv version 6.0.1 Cisco FirePOWER Threat Defense version 6.0.1 FireAMP Private Cloud Cisco ASAv version 9.1 Cisco Application Policy Infrastructure Controller Enterprise Module 1.2 Email Security Appliance (ESA) version 9.7.1 IOSv L2 version 15.2 (which is virtual IOS for layer 2) IOSv L3 version 15.1 5(2)T (which is virtual IOS for grade 3) Cisco CSR 1000v version 3.16.02S Cisco Unified Unified Manager version 8.6(1) Other virtual devices have been kept from previous blueprint, with a version change: Cisco Identity Services Engine (ISE) version 2.1.0 Cisco Secure Access Control System (ACS) version 5.8.0.32 Cisco Web Security Appliance (WSA) version 9.2.0 Cisco Wireless Controller (WLC) version 8.0.133 Test PC is Microsoft Windows 7 Active Directory is running on Microsoft Windows Server 2008 AnyConnect version 4.2 As for physical devices we have the following devices in Version 5: Cisco Catalyst Switch C3850-12S 16.2.1 version 16.2.1 Cisco Adaptive Security Appliance: 5512-X version 9.6.1 Cisco 2504 Wireless Controller: 2504 version 8.0.133.0 Cisco Aironet1602E version 15.3.3-JC Cisco Unified IP Phone 7965 version 9.2(3) FirePOWER is the major new addition, where we have both the FirePOWER NGIPS and the FirePOWER Threat Defense (unified code for ASA and FirePOWER Services) being added , along with the Fire Management Center is the management platform. FireAMP will also be available through its own cloud device, which is used to protect advanced malware through big data analytics, policy, detection, and locally hosted protection. ASA Firewall is now present through physical models of asa 5512-X, and virtual models of ASAv. The addition of APIC-EM, which supports both physical and virtual ASA models, is obviously exciting, is a powerful proof of Cisco's vision for the future, obviously the application of SDN technologies in the Enterprise market. As expected, ESA was eventually added to the game, since even in version 4, it was said to be in the lab exam, but Cisco eventually decided to ignore it. Routers and switches are now virtualized through IOSv for Class 2/Class 3 and CSR 1000v, the exception being the 3850 conversion model that is most likely available for some TrustSEC features that are not supported by virtualization (MACsec, SGT, SXP). Finally, I would assume that the only scope for Cisco Unified Communications Manage located in the ccie security lab, is to register IP Phones, which means you don't need knowledge of this technology. Change the format of the lab exams The new lab exam format fits Cisco's current vision of exam delivery, in order to properly test you for different skills. The format is the same that was introduced with CCIE R&C S Version 5, but of course with technical security themes instead of those R&C S S. Eight-hour lab format is now divided into three modules with the order of the modules fixed as follows: Problem handling module diagnostic module module problem handling Module problem handling It is 2 hours in length, you can optionally borrow 30 minutes from the configuration module. By name, it's a troubleshooting section where you'll be given a certain number of tickets/issues that you need to fix. No extras between tickets and you can fix in any order you want. You have access to the device's communication desk to reconfigure the network and fix the problem. This module is intended to test your technical skills and troubleshooting methods and troubleshooting capabilities from an in-1000-year network during fixed allocations. Diagnostic module It is 1 hour in length, and you can not extend it By name, diagnostics, it is still part of the problem handling, but in a different format; you will be given a certain number of tickets/incidents that you need to fix, there is no dependence between tickets and you can repair tickets in any order you want; the challenge is that you do not have access to the device console, instead, for each ticket, you are being given multiple inputs (e-mail theme, diagrams, logs, traffic capture), in which you must diagnose the problem and select the correct answer(s) This module aims to test your ability to analyze and correlation multiple inputs related to a network problem during the allocated fixed time, and not be granted access to the device you need to identify the root cause Module Configuration That is 5 hours in length , but it can be 4.5 hours if you extend the troubleshooting module By name, which is part configuration where you will be provided a certain number of configuration tasks, with access to the device panel to perform certain requirements; this is nothing else but what was in version 4 of the actual exam itself, as it has only one module; there will be dependency between tasks, some of them will be clearly stated, some of which you will have to find out it, is implicit This module aims to test your understanding of a solution design and architecture, traffic and dependency in a network when multiple technologies are combined, the ability to understand network requirements and translate it into work configurations in fixed time allocated Pass laboratory exams To pass laboratory exams, two conditions need to be satisfied: Pass each module , score enough points in each module to meet the minimum cut-off point for the module The total number of points achieved must be equal to the minimum overall score cutting criteria When each individual module test you are on different skill sets, although for similar technologies, the first criteria make sense, must pass each module. This is to ensure that you have proven to be an expert not only from a technology point of view, but also through the fact that you can use that knowledge to overcome different types of problems, being challenged in different ways. The minimum cutting point for each module is unknown, perhaps most because it can vary between different versions of laboratory exams; for example, you may receive a more complex Diagnostics section with a lower minimum cut-off point or Diagnosis is less complicated with a higher minimum cut-off point. The second criteria also set minimum overall cuts. This is probably to ensure that you do not pass the exam if you pass each individual module with almost accurate minimum module cutting points. Basically you can have a PASS for each module, but a FAIL for the exam. This means, to have a PASS for the exam, you need to score more than the minimum cutting point for all modules, or just for some modules. Although it seems that you are walking in blindness, you go to the laboratory exam without knowing how many points are required to pass and in which there are three modules, this new laboratory exam format also has some benefits: it offers flexibility, since you can score fewer points in a module because of less preparation or less understanding and more points in other modules It gives you better concentration, as you no longer chase points in exams, now you are pursuing to do your best in each module and prove your skills; this also implies a strategic change to the lab approach By passing the current laboratory testing format, you have become an expert in this field, with the certified skills necessary to deploy Cisco technologies to networks today and tomorrow In conclusion , it is now clear that if you want to become a certified CCIE Security Version 5, you will need more FirePOWER. Firepower.

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