CHINESEDUMPS
通过测试

CCIE Enterprise Wireless v1.0

Real Labs

Design Module

Lab Workbook Policy

1. We highly discourage sharing of the workbook hence the workbooks are mapped to Laptop/Desktop MAC address. If one tries to open the workbook on other desktop or laptop than the registered MAC address; account will get locked and we will not unlock it for any reasons.

2. The workbook does not have print access; kindly do not request to enable to print access. However you will have perpetual access to the workbook which you have purchased.

3. One will be provided with free updates up to 120 days from the date of purchase, post that one need to renew his/her account to access the latest update. However one will continue to have access to their existing workbooks. If you pass the lab within 120 days, you are not eligible for further updates.

4. If one wish to renew their subscription/account, you need to renew within 120 days or before the account gets expired. Post 120 days one can renew their account however the renewal will be considered has a new purchase. Hence we encourage one to renew within 120 days of the purchase.

5. The renewal cost is 999 USD if one pay within 120 days, if one fail to renew then the cost will be equivalent of a new purchase. (The renewal price can be changed at any time, without informing the client)

6. Every workbook is uniquely identified for each user with hidden words. If one shares his/her workbooks with others, and if the system detects the share, the account will be banned and we will not entertain any explanation of any sort.

7. For any queries regarding Questions/Solutions, you can contact us on email: support@chinesedumps.com or skype @ chinesexams@gmail.com. Response time to any of the queries is 24 hours.

8. We do require CISCO ID and Official email id for security purposes. We do not sell without these details. We do background verification of the details provided, so request to give us the correct CISCO ID and official email id.

9. The workbooks are in secured pdc format and delivered via email within 24 hours after payment is received.

10. License is provided for only one Device. And we don't give license again if the device crashes or company security policies. Please install license on the device cautiously as the license will not be provided again.

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11. We do support devices running Windows OS, Mac OS, Android and Mac iOS only

12. We do not provide Refund in any circumstances once the product is sold.

13. This policy is in effect from 23 November 2016 and in immediate effect for new clients and new renewals. Old clients will continue with the old Policies until the accounts get expired.

14. If there is any update, one will receive the update automatically on their registered email id.

15. Design Module will be given only 3 days before the CCIE exam

16. For any future update you can check our 'updates' page.

17. Labs are always published in phases. For e.g. if there is a new lab we publish it as First, Second, Third ... till Final release.

18. Client who have purchased our worbooks and services and wishes to attempt the lab, need to consult our experts before their CCIE Lab.

Deploy, Operate and Optimize Guidelines

Before you begin, please read these guidelines:

Overall module guidelines:

1. The network that you will deploy, operate and optimize in this module will be similar, but not necessarily identical, to the network designed in the previous module. All relevant information that is needed to successfully complete this module can be found in this module itself and overrides any information that was provided in the previous module.

2. Before you start, confirm that all devices in your rack are accessible. During the exam, if any device becomes locked or inaccessible, you must recover it.

3. Your equipment is partially preconfigured. Do not change any of the preconfigured parameters unless you are specifically told to.

4. The partial configuration on the devices may deliberately contain mistakes and errors which may need to be corrected, or workarounds applied, in order to complete specific taks. Therefore, consider troubleshooting as an integral part of this module.

5. Points are awarded only for fully working configurations. No partial scoring is provided. It is recommended that toward the end of the exam, you go back and test the functionality as per all question requirements.

6. If you need clarification on any of the questions, or if you suspect that there might be an issue with your equipment or exam environment, contact the lab proctor as soon as possible.

7. Item-level feedback can be provided at the question level. Feedback will be processed, but Cisco will not reach out to you to discuss any feedback provided. You will not be compensated for the time you spend while providing the feedback.

8. Access to select Cisco online documentation is available from your desktop. Access to select 3rd party product documentation (such as Python) is available from the Resources window under the "External Documentation" category.

9. When you finish the lab exam, make sure that all devices are accessible for the grading proctor by having them in EXEC mode and closing the console windows. A device that is not accessible for grading cannot be graded and this may cause you to lose substantial points.

10. You have 5 hours to complete this module. Upon finishing the exam, ensure that all device are accessible. Any device that is not accessible for grading purposes may cause you to lose substantial points.

Task specific guidelines:

1. There are several end hosts present in the lab topology, named hostXY (for example, host11). They are all identical and they can all be used at your full discretion, including accessing the GUI of DNA Center, vManage and ISE through Firefox, performing IP connectivity tests, generating or capturing traffic, and performing coding in Python or C.

2. All hostXY devices are configured as DHCP clients. Should it be necessary to force the host to release and renew its DHCP lease, right-click on the icon of the network manager located between CPU utilization and check applets in the bottom task bar, then unselects "Enable Networking", right-click on it again and select "Enable Networking".

3. The web-based GUI of DNA center, vManage and ISE can only be accessed from the hostXY end hosts, using firefox installed on these end hosts. These servers cannot be accessed directly from the desktop you are just now working with. You must always connect to hostXY as a jump host and access the DNA center, vManage or ISE from there. Always ignore any SSL/TLS certificate warnings in Firefox that may be displayed.

4. Devices in the top ology may have more interfaces, addresses and routes configured than what is shown in the diagrams and accompanying tables. Ignore such interfaces addresses and routes entirely, unless a task explicitly requires you to use or modify them.

5. Changing or removing parts of initial running configuration on devices, as opposed to adding new configuration, is allowed only if the task allows or requires it explicitly, or if there is no other way of accomplishing the task.

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Guidelines

Before starting, please read the below guidelines :

1. In this module you will be creating, analyzing, validating and optimizing a low-level network design. All relevant resources needed to successfully complete this module are provided within this module.

2. The menu bar on the main screen can be used to navigate to:

   - **Exam content**. Here you will find the exam questions. This module is scenario based and contains about 30 to 35 web-based items. No device access is provided.

   - **Resources.** Here you will find provided resources. An initial set of resources is provided at the start of the module. Additional resources are provided as you progress. Resources are cumulative and remain available throughout the remainder of the module. It is recommended to read all the provided resources prior to answering a question.

   - **Guidelines.** If you want to review these guidelines again during your exam, you can find them here.

   - **Help.** Here you will find more information about the exam environment and functionalities.

   - **End Exam Section.** Clicking this button will end this exam section.

3. Backward navigation in this module is disabled; once you proceed to the next question, you will not able to return to the previous question.

4. Question point values will not be visible in this module. More complex items might have partial scoring opportunities.

5. Item level feedback can be provided at question level. Feedback will be processed, but Cisco will not reach out to you to discuss any feedback provided. Any time spent on providing feedback will not be compensated.

6. Access to selected Cisco online documentation is available from your desktop.

7. If you suspect an issue with your exam environment, contact the lab proctor as soon as possible.

8. You have 3 hours to complete this module. If you finish early, you may start with the next module but, any unused time will not be carried over to the next module.

EMAIL: UK Controller Placement

From: eljdar@malen.co.uk

To: james@bewifi.co.uk

Subject: UK Controller Placement

Hi James,

I wanted to touch base with you now that the upgrades to our network infrastructure are coming to close. We need to start looking at improving the quality and experience offered through our wireless network in the UK. It is key for our business plans that the new wireless model should provide wireless coverage at all of MALEN's UK locations while taking into account the below requirements and constraints.

- New wireless site surveys have now been carried out at all of our UK locations. The results have confirmed that our Manchester warehouse (UKWH1) will need over 200 APs to cover the facility. As location tracking with Hyperlocation will be required for some specific areas at this location.

- For the remote branches (mainly stores). client data traffic should breakout locally whenever possible

- We would like to keep CAPEX to a minimum where possible.

- WAN latency between remote branches in the UK and the UKDC1 has been confirmed at <100ms round-trip.

- We see as a critical service going forward therefore, High Availability will be a key requirement.

- In the near future, we would like some home office workers to connect to the Corporate SSID from their homes.

- Our preference is to have wireless controllers deployed at two different physical sites and specifically for the UK we would like to carry on using AirOS controllers for the foreseeable future as our IT department is not trained with SDA technologies yet.

- Kind regards

IT MANAGER
MALEN

Question 1

Refer to the new documents Available

In order to comply with the requirements and constraints expressed by MALEN's CIO on her email.

Which two locations are ideal to host the new wireless controllers in the UK? (Choose two)

- ☐ at any remote office/branch (UKRB) with no local internet breakout
- ☐ London campus (UKHQ1)
- ☐ London data center (UKDC1 & DMZ)
- ☐ At all home-offices
- ☐ Manchester warehouse (UKWH1)
- ☐ At any remote office/branch (UKRB) with local internet breakout

Answer: B, E

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Email: UK Controller Distr. & HA

From: eljdar@malen.co.uk

To: james@bewifi.co.uk

Subject: UK Controller distribution and HA

Hi James,

Thank you for providing your advice regarding the wireless controller's placement. Our IT team is now considering the number of controllers that will be needed at each of those two physical locations to support the new deployment, as well as which method(s) of high availability would be more appropriate to meet our requirements below:

- We need to keep CAPEX low especially with regards to AP licensing

- For the AP's located at our main campuses and remote branches. We would like to have the ability to move these AP's to a local backup controller during controller/AP upgrades.

- From a client perspective, assuming only one wireless controller fails at any one at time per location, We would like for all wireless clients to remote connected irrespective of their point of entry to the network

- Guest and home office users should enjoy the benefits of the most flexible and secure type of deployment

Could you please help us make a decision?

Kind regards

Elena Jider

CIO

MALEN UK

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Question 2

Refer to the new documents Available

This item consists of multiple questions. You may need to scroll down to be able to see all questions.

Check all boxes corresponding with the number of controllers needed at each location. (Choose all that apply)

Row header	Column header		
	1 controller	2 controller	3 controller
London Data center (UKDC1)	☐	☐	☐
London Data Center DMZ (UKDC1- DMZ)	☐	☐	☐
London HQ (UKHQ1)	☐	☐	☐
Manchester warehouse (UKWH1)	☐	☐	☐

Check the all boxes corresponding to which HA mode(s) should be used at each location (choose all that apply)

Row header	SSO	N+1	N+N
London Data center (UKDC1)	☐	☐	☐
London Data Center DMZ (UKDC1- DMZ)	☐	☐	☐
London HQ (UKHQ1)	☐	☐	☐
Manchester warehouse (UKWH1)	☐	☐	☐

Email: User Segregation in the UK

From: nicolop@malen.co.uk

To: james@bewifi.co.uk

Subject: User segregation in the UK

Hi James,

Our IT team is tasked with providing client segmentation for the various types of users and devices that need to access our wireless network in the UK from a corporate device perspective. we have a mixture of Apple and Microsoft laptops. From a personal device perspective, we know that our employees have a range of iPhones, Ipads as well as android mobile devices which they use to connect to the corporate wireless network we have identified the following types of users and scenarios and for these cases we are interested in understanding how we would authenticate the user identity in order to achieve the client segmentation that we want.

- Corporate employees using corporate laptops should be able to access the whole network
- Corporate employees using their own mobile devices should have access to limited network resources.
- 3rd party contractors using a MALEN corporate laptop will have access to limited network resources and will be authenticated using an authentication method that only requires server-side certificate. From a user experience perspective, we would prefer this group if users to have seamless network access.
- Guest users will have their access limited to internet only, and their credentials will be managed via centralized AAA server. For simplicity purposes we would like their internet access to be controlled by a single common portal to all controllers

Going forward, we plan to use 802.1X in all of our switch ports and are concerned about what security mechanism should be used to authenticate our new COS APs where the UK AireOS controllers are

running 8.10 code. We want the APs to be authenticated with username/password credentials and using a standard protocol that protects the credentials exchange but does not require a device certificate. We would also feel more comfortable using an EAP type which is more widely deployed as any problems with the APs not authenticating might be picked up by the infrastructure team first

We already have PKI infrastructure in place and while our IT manager is very security-focused and is prepared to invest in both OPEX and CAPEX order to ensure maximum security for any user device accessing the network we also want to limit the burden in our IT team and having to deal with multiple forms of authentication methods for our very large base of corporate users and devices. This is a priority for us

Could you please put a security proposal together for us?
Kind regards

Nicole Lope
IT manager
MALEN UK

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Question 3

Refer to the new resources available

Taking into account the scenario described on the previous email, check the box corresponding to the authentication mechanism that should be used for each scenario.

	PSK	EAP-FAST	PEAP-MSCHAPv2	EAP-TLS	Local Web-Authentication	Central web authentication
Corporate User	☐	☐	☐	☐	☐	☐
Corporate user BYOD	☐	☐	☐	☐	☐	☐
Contractors	☐	☐	☐	☐	☐	☐
Guest users	☐	☐	☐	☐	☐	☐
APs	☐	☐	☐	☐	☐	☐

Thank You for choosing www.passwirelesslabs.com Workbooks.

You have reached the end of the exam.

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Click on **"End Exam Section"** in the main screen to submit and close your session.

Thank You for choosing www.passwirelesslabs.com Workbooks.

Thank You for choosing www.chinesedumps.com Workbooks.