

Occupational specialism assessment (OSA)

Digital Infrastructure

Assignment 2 - Annotated checklist - Pass

Guide standard exemplification materials

v1.1: Specimen assessment materials January 2023 603/6901/2

Internal reference: DSS-GSEM-25



T Level Technical Qualification in Digital Support Services Occupational specialism assessment (OSA)

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Task 2 Task sequence

Step A

(3 marks)

Processes	Settings	Marks	Evidence required
Install the przovided server operating system on Server01 and Server02 Use suitable configurations that match your current time zone and provide evidence of the successful installation of the server operating system on both Server01 and Server02	All hard disks should be partitioned to a single 100% partition, and the machines named Server01 and Server02 Server01 and Server02 should have fixed IP addresses	1	 Provide print screen or photographic evidence of the following: Server01 disk partitions Server01 IP address (1) Set Server01 IP address (2) Set Server01 name set Server01 regional settings, date and time Server02 disk partitions Server02 IP address set Server02 name set Server02 regional settings, date and time
Install the provided desktop operating system on PC01	All hard disks should be partitioned to a single 100% partition Use suitable region-specific settings, otherwise the defaults should be taken	1	 Provide print screen or photographic evidence of the following: PC01 disk partitions PC01 name set PC01 regional settings, date and time

Step B

(8 marks)

Processes	Settings	Marks	Evidence required
Install and configure DNS		8	☑ print screen showing DNS has been installed
Install and configure a directory service	Install a directory service with the domain name set as (First nameSurname).local, for example: JohnSmith.local		☑ print screen showing the directory service has been installed and configured
Install DHCP service on Server01			☑ print screen showing the DHCP service installed
Implement a DHCP scope using the IP range provided earlier			□ print screen showing the DHCP scope configured
Evidence PC01 is using DHCP to join the network			☑ print screen showing PC01 has been assigned a DHCP address
Domain join Server02 and PC01 to Server01 forming the start of the network			 print screen showing Server02 domain joined print screen showing PC01 domain joined
Install and confirm a reverse DNS lookup works on Server02 using NSLOOKUP			print screen showing Server02 successfully completed a reverse lookup

Step C

(8 marks)

Processes	Settings	Marks	Evidence required
Create the following groups in your directory service	All staff, developer, graphics, motion capture, IT admin	1	☑ print screen showing the 5 groups created in your directory service

Populate the directory service with the following user accounts making sure they are added to the correct group and each user has the right privilege:					☑ print screen evidence that each user has the
User account	Privileges	Job description	Group(s)		correct name, privilege, job description and has been added to the
Your first and surname	Administrator	IT admin	IT admin		correct group
Paul James	Standard user	Developer	Development		
Tamara Jacobs	Standard user	Graphics artist	Graphics		
Yousif Sobbah	Standard user	Motion capture specialist	Motion capture		
Using the group called all staff , a development	1	 print screen showing all 5 groups added to the all staff group 			
graphicsmotion capture					
IT admin					

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Processes	Settings			Marks	Evidence required
Apply the following privileges to each of the folders using the groups created earlier	FolderDevelopmentGraphicsMotion CaptureShared DriveUser GuidesIT admin	Group IT admin Development Motion capture All staff All staff IT admin IT admin	PermissionRead and writeRead and writeRead and writeReadReadRead and writeRead and writeRead and writeRead and write	1	☑ print screens showing each folder with correct privileges
Using the files provi	ded, populate the folder str	ructure			
Using the test plan t privileges work corre Note : The shared d	emplate provided in the wo ectly using both a valid and rive only requires a valid us	orkbook, prove that the d invalid user ser to be tested		4	 completed test plan print screens showing folder privileges have been tested

Step D

(3 marks)

Processes	Settings	Marks	Evidence required
Using an external hard disk drive or an additional virtual disk to Server02, implement a scheduled backup of the shared folders to run every hour to the second physical hard or external storage device		3	☑ print screen showing scheduled backup set
Confirm the backup has been taken successfully by restoring the contents of the backup Note: You might need to return to this step later to collect the required evidence			 ☑ print screens showing a successful backup ☑ print screens showing a successful restoration

Step E

(4 marks)

(4 marks) Processes	Settings	Marks	Evidence required
Using Server02, install and configure a single application service from the following list:	 desktop deployment media server database server IT helpdesk web server print server 	4	print screens showing the service being installed and configured
Prove the service has been tested and works			 print screens showing the service is running print screens showing the service being tested

Step F

(2 marks)

Processes	Settings	Marks	Evidence required
Create a remote connection from PC02 to Server01 Note : You are not permitted to domain join the computer		2	☑ print screens showing the remote connection process

Step G

(4 marks)

Processes	Settings	Marks	Evidence required
Implement a SNMP on all machines on the network		4	□ print screens from PC01 and Server02 showing that SNMP has been enabled
Verify that SNMP data is being collected by the traps and can be viewed			a series of print screens showing the SNMP data is being collected centrally

Step H

(10 marks)

Processes	Settings	Marks	Evidence required
Using policies, implement 5 rules that will make the domain joined PC01 more secure		10	 provide a short description of each policy and what it will achieve provide a print screen showing each of the policies created on Server01
Carry out testing to prove the policies have been applied correctly			☑ provide evidence of each policy applied on PC01

Step I

(7 marks)

Processes	Settings	Marks	Evidence required
Using the wireless device provided, integrate the device into your network		7	 Provide print screen or photographic evidence of the following: set an IP address for the device connect to a wireless AP or other such device install the required drivers or management software configure the device with suitable settings evidence that SNMP data is being captured

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Test that the device works and is accessible from any 2 machines

□ a series of print screens and photographs showing connection and configuration of the wireless device

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Review and submit

You have now reached the end of the assignment. It is recommended that you review your evidence to ensure all the required print screens have been provided.

Save this document and convert into a .pdf for submission using the naming convention.

Surname_Initial_student number_Workbook2

For example: Smith_J_123456789_Workbook2.pdf

Document information

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Owner: Head of Assessment Design

Change History Record

Version	Description of change	Approval	Date of Issue
v1.0	Published final version.		May 2021
v1.1	NCFE rebrand.		January 2023