Deputy of training

Plan and curriculums office

Competency Training standard

Title

CXD-203:Managing App and Desktop Solutions with Citrix XenApp and XenDesktop 7.6

Occupational group

INFORMATION TECHNOLOGY (IT)

International code

2523-53-151-1

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Revision Process:
- Scientific content
- According to market
- Equipment
- Tools

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<u>Definitions</u>:

Job standard:

The characteristics ' required competencies and abilities for Efficient Performance in work environment is called "the Job standard", and sometimes "The Occupational standard"

Training standard:

The Training Map for achieving the Job's subset Competencies.

Job title:

Is a set of Tasks and Abilities which is expected from an employed person in the defined level

Job description:

A statement covering the most important elements of a job, namely the position or title of the job, the duties, job's relation with other jobs in a occupational field, the responsibilities, workplace conditions and required performance standards.

Course duration:

The minimum of time which is required to achieve the training objects.

Admission requirements:

The minimum of competencies and abilities which are obligatory for a potential admission.

Evaluation:

The process of collecting evidence and judgment about wetter a competency is achieved or not. Include: written examination, practical examination

Required Qualifications for Trainers**:**

The minimum of Trainer's technical and vocational abilities which the trainer is required to have.

Competency:

The ability of efficient performing a duty in a variety of workplaces conditions

Knowledge:

The minimum set of facts and mental capacities which is necessary for achieving a competency. This can include science, (Mathematics, physics, chemistry or biology), technology or technical.

Skill:

The minimum coordination between mind and body for achieving an ability or competency. It normally applied to practical skills.

Attitude:

A set of emotional behaviors required for achieving a competency and can have non-technical skills and occupational ethics.

Safety:

The cases which doing or not doing something can cause harm or accident

Environmental Consideration:

A set of consideration about the act which should be done to minimize the environmental damage or pollution.

Competency Title:

Managing App and Desktop Solutions with Citrix XenApp and XenDesktop 7.6

Competency Description:

The Managing App and Desktop Solutions with Citrix XenApp and XenDesktop 7.6 course provides students with the skills required to effectively support a Citrix application and desktop virtualization solution in a Windows Server 2012 R2 environment. During this course, students will learn how to successfully manage, monitor, support and troubleshoot a XenDesktop 7.6 solution, which includes growing the implementation to accommodate changes in the environment (adding new applications, new users, new desktops, and new policies) and troubleshooting common issues.

Admission Requirements:

minimum degree of education: Post first year of high school

minimum physical and mental ability:-

 Prerequisite skills: Comptia Network+ Certification & Microsoft MCSA

Course duration:

Course duration: 48 hours

 -Theoretical :10 Hours

-Practical :38 Hours

-Apprenticeship:… Hours

-Project:… Hours

Evaluation :(%)

Exam Time for Native English speakers	180 minutes
Exam Time for Non-native English speakers	210 minutes
Number of questions	84
Exam Number	1Y0-201
Associate Certification	Citrix Certified Associate -Virtualization (CCA-V)

IRANTVTO Evaluation :(%)

Written Examination:25%

Practical Examination:65%

Ethics:10%

Required Qualifications for Trainers:

Computer or IT or ART related Bachelor with 2 years' experience

Competency Training Standard

Competencies

`	Title
1	Understanding the Architecture of a XenApp and XenDesktop Solution
2	Managing Licenses and Delegating Administration
3	Managing and Monitoring the Hypervisor
4	Managing Desktops and Applications
5	Managing StoreFront
6	Managing Policies and Profiles
7	Managing and Monitoring Sessions, Sites, and End Users with Director
8	Managing Printing
9	Managing Provisioning Services

Title: Understanding the Architecture of a XenApp and XenDesktop Solution	time			
	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill:	Determined by the instructor			From Citrix
-XenApp or XenDesktop				
-XenApp and XenDesktop Architecture Overview				
-Access Layer				
-Control Layer				
-Resource Layer				
-Management Layer				
-XenApp and XenDesktop Sites				
-Ports				
-New Features				
-Deprecated Features				
-Discussion Question				
-Reinforcement Exercise: XenDesktop 7 Components				
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title:	time			
Managing Licenses and Delegating Administration	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill:	Determined by the instructor			From Citrix

Knowledge and Skill:

-Managing Licenses in Studio
-Managing Delegated Administration

-Monitoring Configuration Logs
-Troubleshooting: Managing Licenses and
Delegated Administration
-Reinforcement Exercise: Configuring Roles and
Scopes

Attitude:

Speed and accuracy in doing the right thing

Health & Safety:

Compliance with safety protection in the workplace

Environmental Consideration:

Compliance with environmental protection

Training standard

Contents analysis form

Title: Managing and Monitoring the Hypervisor	time			
	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: -Architecture Overview -Creating a Virtual Machine from an ISO -Managing Virtual Machines withina Hypervisor -Adjusting Virtual Machine or Template Resources -Configuring and Customizing Alerts -Troubleshooting: Managing and Monitoring Hypervisors -Reinforcement Exercise1: Creating a Virtual Machine Template -Reinforcement Exercise2: Completing the Setup Process After a Sysprep	Determined by the instructor			From Citrix
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title: Managing Desktops and Applications	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: -Architecture Overview -Connecting to Resources -Managing Machine Catalogs -To Create New Resource Settings -Using Machine Creation Services -Discussion Question -Creating a Machine Catalog for Server Desktops and Hosted Applications -Managing Delivery Groups -Managing Resources -Troubleshooting: Managing Desktops and Applications -Reinforcement Exercise: Delivering Server Desktops	Determined by the instructor			From Citrix
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard
Contents analysis form

Title: Managing StoreFront	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: -StoreFront Architectural Overview -StoreFront Management Console -Creating a New Store -Creating Anonymous User Stores -Hiding a Store -Managing Authentication -Enabling End Users to Change Their Passwords -Managing Delivery Controllers -Removing a Store -Troubleshooting: Managing StoreFront -Reinforcement Exercise: Creating and Configuring a New Store	Determined by the instructor			From Citrix
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title: Managing Policies and Profiles	time			
	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: -Policy Precedence (Studio vs. Group Policy Objects) -Creating Policies Using Studio -Creating Policies Using Group Policy -Troubleshooting: Managing Policies -Managing End-User Profiles -Troubleshooting: Profile Management -Reinforcement Exercise 1: Working with Policies -Reinforcement Exercise 2: Working with Profiles	Determined by the instructor			From Citrix
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Title: Managing and Monitoring Sessions, Sites, and End Users with Director	time			
	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration		Equipments ,tools, materials ,books
Knowledge and Skill: -Director Overview -Monitoring within the Director Dashboard -Monitoring and Managing End-User Sessions -Troubleshooting: Managing Sites, Sessions, and End Users with Director -Reinforcement Exercise: Using Director	Determined by the instructor	From Citrix
Attitude: Speed and accuracy in doing the right thing		
Health & Safety: Compliance with safety protection in the workplace		
Environmental Consideration: Compliance with environmental protection		

Training standard

Contents analysis form

Title: Managing Printing	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: -Print Management Process -Default Printing Behavior -Configuring Client Printing -Managing Printer Drivers -Optimizing Printing Performance -Discussion Question -Setting Up and Managing the Universal Print Server -Troubleshooting: Managing Printing -Reinforcement Exercise: Managing Printing	Determined by the instructor			From Citrix
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Title: Managing Provisioning Services	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill:	Determined by the instructor			From Citrix
-Citrix Provisioning Services				
-Machine Creation Services or Provisioning Services				
-Provisioning Services Overview and Architecture				
-Discussion Question				
-Navigating the Provisioning Services Console				
-To Create a Provisioning Services Master Virtual Machine				
-To Install the Virtual Delivery Agent (VDA)				
-Creating the vDisk				
-To Convert the Hard Drive of the Master Target Device to a vDisk				
-Setting the vDisk Mode				
-Creating the Machine Catalog				
-Discussion Question				
-To Assign a Machine Catalog to a Delivery Group				
-Discussion Question				
-To Update a vDisk				
-Promoting Updated Versions				
-Discussion Question				
-VHD Chain of Differencing Disks				
-Merging VHD Differencing Disks				
-Troubleshooting: Provisioning Services				
-Reinforcement Exercise: Provisioning Services				
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protectio				