

معاونت پژوهش، برنامه‌ریزی و سنجش مهارت

دفتر پژوهش، طرح و برنامه‌ریزی درسی

استاندارد آموزش شایستگی

Installing and Configuring Windows Server ۲۰۱۲

گروه شغلی

فناوری اطلاعات

کد ملی آموزش شایستگی

۲	۵	۱	۲	۴	۰	۵	۳	۱	۸	۷	۰	۰	۱	۱
ISCO-۰۸				سطح مهارت	شناسه گروه			شناسه شغل			شناسه شایستگی		نسخه	

۲۵۱۳-۵۳-۱۰۸-۱

تاریخ تدوین استاندارد: ۲۰۱۵/۵/۶



Ministry of cooperatives
Labour and Social Welfare



Iran Technical and Vocational
Training Organization

Deputy of training
Plan and curriculums office

Competency Training standard

Title

**Installing and Configuring Windows
Server 2012**

Occupational group

Information Technology (IT)

*Iran Technical and Vocational
Training Organization*

International Code

2513-53-108-1

Date of standard compilation: 2015.05.06

Control of board on content compilation and accreditation: Plan and curriculums office
National code: **2513-53-107-1**

Member of Specialized commission IT Curriculum development:

- Ali Mosavi: Director Manager of Iran TVTO Curriculum Development Office
- Hassan Solimany: Member of Iran TVTO IT Curriculum Development
- Ali Sagheb : Member of Iran TVTO IT Curriculum Development
- Sarang Ghorbanian: Member of Iran TVTO IT Curriculum Development
- Dariush Esmacili: Member of Iran TVTO IT Curriculum Development
- Shahram Shokofian: Manager of Iran TVTO IT Curriculum Development

Cooperator Specialized organizations for compiling the training standard:

- Iran Information Technology Development Co
- Iran Information Technology Development University
- Danesh IT Academy in Tehran, Iran (Danesh-ac.ir)

Revision Process:

- Scientific content
- According to market
- Equipment
- Tools

Plan & Curriculum Office
97, Nosrat Avenue –Tehran, Iran

Tel:+98-21-66569900-9

Fax: +98-21-66944117

E-mail: Barnamehdarci@yahoo.com

	Name & Family name	Academic document	field	Job & post	Relevant experiences	Add & Tel & Email
1	AmirHossein Khademi	B. SC	Data Center	Technical Manager	Faraz Aseman	No 81, First Floor South, Khoramshahr St, North Sohravardi St, Tehran 021-88505950
2	Mohsen Amini Far	B. SC	Software engineer	Technical Engineer	Danesh IT Academy	No 85, Next to Alnabi Mosque, Nabovvat Sq. Tehran 021-77136613
3	Vahid Askari Azad	B. SC	Network engineer	Technical Engineer	Danesh IT Academy	No 85, Next to Alnabi Mosque, Nabovvat Sq. Tehran 021-77275959 09124100252
4						
5						
6						

Definitions:

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 Microsoft 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 whether 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:**Installing and Configuring Windows Server 2012****Competency Description:**

Get hands-on instruction and practice installing and configuring Windows Server 2012, including Windows Server 2012 R2, in this five-day Microsoft Official Course. This course is part one in a series of three courses that provides the skills and knowledge necessary to implement a core Windows Server 2012 infrastructure in an existing enterprise environment.

The three courses collectively cover implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. Although there is some cross-over of skills and tasks across these courses, this course focuses on the initial implementation and configuration of core services, such as Networking, Storage, Active Directory Domain Services (AD DS), Group Policy, File and Print Services, and Hyper-V.

This course maps directly to and is the preferred choice for hands-on preparation for the Microsoft Certified Solutions Associate (MCSA) Exam [410: Installing and Configuring Windows Server 2012](#), which is the first of three exams required for the MCSA: Windows Server 2012 credential.

Admission Requirements:

minimum degree of education: Post first year of high school

minimum physical and mental ability:-

Prerequisite skills:

Network+, Windows 8.1 or similar

Course Duration:

Course duration: 40 hrs

-Theoretical :10 Hours

-Practical :30 Hours

-Apprenticeship: ... Hours

-Project: ... Hours

Evaluation :(%)

Exam 70-410



Published: September 17, 2012

Languages: English, Chinese (Simplified),
French, German, Japanese, Portuguese
(Brazil)

Audiences: IT professionals

Technology: Windows Server 2012

Credit toward certification: MCP, MCSA,
MCSE

Required Qualifications for Trainers:

MCSE degree holders with 2 years experiences

competency training standard tasks	
1	Deploying and Managing Windows Server 2012
2	Introduction to Active Directory Domain Services
3	Managing Active Directory Domain Services Objects
4	Automating Active Directory Domain Services Administration
5	Implementing IPv4
6	Implementing Dynamic Host Configuration Protocol
7	Implementing DNS
8	Implementing IPv6
9	Implementing Local Storage
10	Implementing File and Print Services
11	Implementing Group Policy
12	Securing Windows Servers Using Group Policy Objects
13	Implementing Server Virtualization with Hyper-V



*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Deploying and Managing Windows Server 2012	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: - Windows Server 2012 Overview - Installing Windows Server 2012 - Post-Installation Configuration of Windows Server 2012 - Overview of Windows Server 2012 Management - Introduction to Windows PowerShell	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Introduction to Active Directory Domain Services	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: Lessons - Overview of AD DS - Overview of Domain Controllers - Installing a Domain Controller	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Managing Active Directory Domain Services Objects	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: - Managing User Accounts - Managing Groups - Managing Computer Accounts - Delegating Administration	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Automating Active Directory Domain Services Administration	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: - Using Command-line Tools for AD DS Administration - Using Windows PowerShell for AD DS Administration - Performing Bulk Operations with Windows PowerShell	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Iran Technical and Vocational Training Organization

Training standard
Contents analysis form

Title: Implementing IPv4	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - Overview of TCP/IP - Understanding IPv4 Addressing - Subnetting and Supernetting - Configuring and Troubleshooting IPv4	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Implementing Dynamic Host Configuration Protocol	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - Overview of the DHCP Server Role - Configuring DHCP Scopes - Managing a DHCP Database - Securing and Monitoring DHCP	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Implementing DNS	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - Name Resolution for Windows Clients and Servers - Installing a DNS Server - Managing DNS Zones	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Implementing IPv6	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - Overview of IPv6 - IPv6 Addressing - Coexistence with IPv4 - IPv6 Transition Technologies.	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Implementing Local Storage	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - Overview of Storage - Managing Disks and Volumes - Implementing Storage Spaces	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Implementing File and Print Services	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - Securing Files and Folders - Protecting Shared Files and Folders by Using Shadow Copies - Configuring Work Folders - Configuring Network Printing	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Implementing Group Policy	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - Overview of Group Policy - Group Policy Processing - Implementing a Central Store for Administrative Templates	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Securing Windows Servers Using Group Policy Objects	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - Security Overview for Windows Operating Systems - Configuring Security Settings - Restricting Software - Configuring Windows Firewall with Advanced Security	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

*Iran Technical and Vocational
Training Organization*

Training standard
Contents analysis form

Title: Implementing Server Virtualization with Hyper-V	time			
	theoretical	practical	total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - Overview of Virtualization Technologies - Implementing Hyper-V - Managing Virtual Machine Storage - Managing Virtual Networks	Determined by the instructor			From Microsoft
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Equipment & Tools & Materials & Resources (books, site, software...) form

*Required quantity for each 15 Trainees

From Microsoft

From Technical and Vocational Training Organization