



Deputy of training Plan and curriculums office

Competency Training standard

Title

Cisco Certified Network Professional (CCNP TShoot)



International code

2513-53-105-1

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Revision Process: - Scientific content - According to market - Equipment echnical and Vocational Training Organization

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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 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:

Cisco Certified Network Professional (CCNP TShoot)

competency description:

Cisco Certified Network Professional (CCNP) Routing and Switching certification validates the ability to plan, implement, verify and troubleshoot local and wide-area enterprise networks and work collaboratively with specialists on advanced security, voice, wireless and video solutions. The CCNP Routing and Switching certification is appropriate for those with at least one year of networking experience who are ready to advance their skills and work independently on complex network solutions. Those who achieve CCNP Routing and Switching have demonstrated the skills required in enterprise roles such as network engineer, support engineer, systems engineer or network technician. The routing and switching protocol knowledge from this certification will provide a lasting foundation as these skills are equally relevant in the physical networks of today and the virtualized network functions of tomorrow.

Overview

TSHOOT v2.0, 5 day ILT, includes major updates and follows an updated blueprint. However, note that this course does not cover all items listed on the blueprint. Some older topics have been removed or simplified, while several new IPv6 routing topics have been added. Course content has been adapted to Cisco IOS Software Release 15 and technically updated. The course also introduces new type of labs, called discovery labs. Discovery labs are instructor guided labs through which student explores new topics in an interactive way. All labs are developed only as virtual labs. This course is a component of the CCNP curriculum.

admission requirements:

minimum degree of education: Post first year of high school minimum physical and mental ability:-

prerequisite skills: Cisco CCNA Routing and Switching certification, The CCNP Routing and Switching certification is appropriate for those with at least one year of networking experience

Course duration:

Course duration : 40 hours

Evaluation :(%)

Troubleshooting and Maintaining Cisco IP Networks (TSHOOT)

Exam Number	300-135 TSHOOT
Associated Certifications	CCNP Routing and Switching
Duration	120 minutes (15-25 questions)
Available Languages	English
Register	Pearson VUE
Exam Policies	Read current policies and requirements
Exam Tutorial	Review type of exam questions

Required Qualifications for Trainers:

CISCO CCNP degree holders with 2 years experiences

comp	etency training standard tasks
1	Network Principles
2	Layer 2 Technologies
3	Layer 3 Technologies
4	VPN Technologies
5	Infrastructure Security
6	Infrastructure Services



		time						
Title:	theoretical	practical	total					
Network Principles	Determined	by the inst	ructor					
Knowledge ,skill ,attitude ,safety, Environmen	tal Consideration			Equipments ,tools, materials ,books				
Knowledge and Skill:	Determ	ined by t	he	From CISCO				
Use Cisco IOS troubleshooting tools	ins	structor						
Apply troubleshooting methodologies								
Attitude:								
Speed and accuracy in doing the right thing								
Health & Safety:								
Compliance with safety protection in the wo	orkplace							
	-		-	~				
	Environmental Consideration:							
Compliance with environmental protection	CUID			CHUIDINH				
Training C	rge	miz	ai	tion				

Training standard

Contents analysis form

		time					
Title:	theoretical	practical	total				
Layer 2 Technologies	Determined by the instructor						
Knowledge ,skill ,attitude ,safety, Environmen	Equipment's ,tools, materials ,books						
Knowledge and Skill:	Determ	nined by t	he	From CISCO			
Troubleshoot switch administration	ins	structor					
Troubleshoot Layer 2 protocols Troubleshoot VLANs							
Troubleshoot trunking							
Troubleshoot EtherChannels Troubleshoot spanning tree							
Troubleshoot other LAN switching							
technologies							
Attitude:							
Speed and accuracy in doing the right thing							
Health & Safety:							
Compliance with safety protection in the wo	Compliance with safety protection in the workplace						
T 77 1 ·	7	7 1	<i>y</i>	. + 7			
Environmental Consideration:							
Compliance with environmental protection							
Trainino () <u>ro</u> r	mi		tion			
1100000	15		1000	1011			

time				
Title:	theoretical	practical	total	
Layer 3 Technologies	Determined	by the inst	ructor	
Knowledge ,skill ,attitude ,safety, Environmen	Equipments ,tools, materials ,books			
Knowledge and Skill:	Determ	nined by t	he	From CISCO
Troubleshoot IPv4 addressing and sub netting	ins	structor		
Troubleshoot IPv6 addressing and sub netting Troubleshoot static routing				
Troubleshoot default routing				
Troubleshoot administrative distance				
Troubleshoot passive interfaces				
Troubleshoot VRF lite Troubleshoot between any routing protocols				
or routing sources				
Troubleshoot policy-based routing				
Troubleshoot RIPv2				
Troubleshoot EIGRP Troubleshoot OSPF				
Troubleshoot BGP	.7			
Attitude:			×	
Speed and accuracy in doing the right thing				
speed and decardey in doing the right uning				
Health & Safety:	l an	d F	, 06	eational
Compliance with safety protection in the wo				
Training C	ai	tion		
Environmental Consideration:				
Compliance with environmental protection				

		time		
Title:	theoretical	practical	total	
VPN Technologies	Determined	by the inst	ructor	
Knowledge ,skill ,attitude ,safety, Environmen		Equipments ,tools, materials ,books		
Knowledge and Skill:	Determ	nined by t	he	From CISCO
Troubleshoot GRE	ins	structor		
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
			-	
Environmental Consideration:	1	TT	7	
Compliance with environmental protection	00	cational		
Training C	rge	m_2	ai	tion
0	0			

	ti	ime		
Title:	theoretical	practical	total	
Infrastructure Security	Determined b	by the instr	ructor	
Knowledge ,skill ,attitude ,safety, Environmen	Equipments ,tools, materials ,books			
Knowledge and Skill:	Determi	ned by tl	ne	From CISCO
Troubleshoot IOS AAA	inst	ructor		
Troubleshoot device access control Troubleshoot router security features				
			-	
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
				_
Environmental Consideration:	01	cational		
Compliance with environmental protection	CITIC	1)		CUUTION
Training C	erga	niz	ai	tion

Training standard

Contents analysis form

	time			
Title:	theoretical	practical	total	
Infrastructure Services	Determined	by the inst	ructor	
Knowledge ,skill ,attitude ,safety, Environmen	Equipments ,tools, materials ,books			
Knowledge and Skill:	Determ	nined by t	he	From CISCO
Troubleshoot device management	ins	structor		
Troubleshoot SNMP Troubleshoot logging				
Troubleshoot Network Time Protocol(NTP)				
Troubleshoot IPv4 and IPv6 DHCP Troubleshoot IPv4 Network Address				
Translation (NAT)				
Troubleshoot SLA architecture				
Troubleshoot tracking objects	$ \langle \rangle $			
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
Environmental Consideration:	l an	dT	, 00	cational
Compliance with environmental protection				tion

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

*Required quantity for each 15 Trainees

From CISCO