



SIMPLIFYING TECHNOLOGY

Cryptch

*Making you ready
for the Technology
Driven World.*

- HARDWARE • NETWORKING • ETHICAL HACKING
 - CCNA & CCNP • CLOUD • IOT

Visit us at www.cryptch.tech

Office & Contact details



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Our Aim

"WE SEE YOUR SUCCESS AS OUR SUCCESS."

With professional trainers and Practical based learning we focus on present & shoot for the future.

Making you ready for future technology & challenges waiting in your path of Success.

The need of 21st Century are Skilled People, Play your part in Development of our Nation, become a Certified IT Professional, today.

The future is waiting for you make a move now, get ready for the future. Don't wait for others, find your own way & create your own Destiny.

Join Cryptch & kick-start your career in IT industry.



A word from our Founder & CEO

In 21st Century, technology is everywhere.

People like you and me- are making it, maintaining it & upgrading it for our day to day usage.

"Technology is much less frustrating when you understand it."

We aim to provide, 'Quality' & 'Updated' education to everyone at an Affordable rate and make technology easier to understand.

Mr. Anand Sharma

- 11+ YEARS OF EXPERIENCE IN IT INDUSTRY
- COMPTIA N+
- CISCO CERTIFIED NETWORK ASSOCIATE
- CISCO CERTIFIED NETWORK PROFESSIONAL
- RED HAT CERTIFIED SYSTEM ADMINISTRATOR
- MICROSOFT CERTIFIED PROFESSIONAL
- CERTIFIED ETHICAL HACKER
- MANAGED MULTIPLE AMC'S



At Cryptch, our focus is to guide students to a better future and make them self-reliant so that, they can become whatever they dream of. It may be An Entrepreneur or to reach their dream Job.

It's clear, those who have tech skills are much more adaptable to learning.

Thank you for choosing us. I hope you have a happy journey ahead in technical field. Wishing you all a lot of success ahead.

Why Cryptch

01

IT Experience

Teaching is not new to us. We have Experienced & Certified Trainers. They make technology - easy to understand.



Education Quality

We offer Robust Educational model & latest course-ware at affordable price. P.S. Without compromising with quality.

03



Upskill

05

Even if you have a few skills; you can always up-skill yourself .



02

Talent acquisition

"A diamond's worth can only be identified by a Jeweler." We are dedicated to find the hidden potential.



04

Certification

We act as gateway between you and Global Certifications.



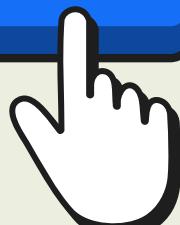
06

Focus

We aim to provide Focused and Practical Education.



CONTACT US



Still have Doubts?
Contact us



EVEN
PANDEMIC
COULDN'T
STOP US

We also provide Services



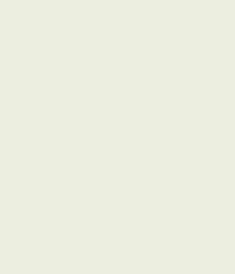
02 HARDWARE UPGRADATION

Without any worries get the best hardware for your computer at cheap price.



04 TROUBLESHOOTING

One of essential service in Computer field. Our engineers will make sure that any issue never troubles you again.



01 ANNUAL MAINTENANCE CONTRACT

Find instant and cheap solutions to computer emergencies like hard drive crashes, viruses, monitor on the blink, power fluctuations, and lots more.

03 NETWORKING

We do all level of networking may it be routing, switching or just structured cabling.



05 AUTOMATION

We also provide automation solution To minimize the work load.



We aim to provide the best in class services in affordable rates, without compromising with quality.

Leave all your computer problems to us without any worries.

Last but not the least, some details about

OUR ANNUAL MAINTENANCE CONTRACT

Annual Maintenance Contract or AMC provides security for all IT services and computer equipment like a printer, desktop, etc. AMC is an agreement between a firm, who provide maintenance and a consumer who has purchased a service.

01 Save money

Save money & make budgeting easier. Pay once and get Unlimited service

03 Services

We focus of providing
• uninterrupted service including Hardware and Software.

05 Emergency

We are always there to help you and provide emergency support.

07 No worries

We've got you covered . Focus on what is important to you and your team.



02 EXPERT SERVICE

You get expert and professional technicians without spending lots of money.



04 INCREASE UPTIME

Focus on Other Things and Leave Maintenance to the Pros.



06 REPORTS

Get Quarterly report & improve productivity.







CISCO CERTIFIED NETWORK ASSOCIATE



What Is CCNA?

CCNA (Cisco Certified Network Associate) is an information technology (IT) certification from Cisco Systems. CCNA certification is an associate-level Cisco Career certification.

The Cisco exams have changed several times in response to the changing IT trends. In 2020, Cisco announced an update to its certification program that "Consolidated and updated associate level training and certification." Cisco has consolidated the previous different types of Cisco-Certified Network Associate with a general CCNA certification.



Why CCNA?

CCNA stands for Cisco certified network associate. It is a category of technical certification offered by Cisco for networking professionals. CCNA is designed to improve, enhance and evaluate the networking knowledge of an individual. The certification validates the holder's general ability to install, secure, operate, and troubleshoot issues within enterprise networks. Cisco CCNA certification offers professionals an in-depth understanding of networking concepts. It helps networking specialists keep up-to-date their existing skills and knowledge. The credential increases the employment opportunities in the networking domain. It will help the certification holder advance his career, promotions, and new job opportunities with higher salary packages.

CCNA certification is one of the most preferred and highly valued certifications that grow professional careers. CCNA focuses on monitoring, managing & maintaining the network foundation. It also includes fundamental concepts of networking and working of devices like routers, switches, repeaters, etc. Another benefit of the certification is that it covers the latest and advanced network technologies such as Automation and programmability. CCNA certified professionals gain the skills of installation & management of the entire network of an organization.



SYLLABUS

1. NETWORK FUNDAMENTALS

- Compare & contrast OSI & TCP/IP models
- Compare & contrast TCP & UDP protocols
- Impact of infrastructure components in a network
 - Firewalls, Access points, Wireless controllers
- Effects of cloud resources on network architecture
 - Traffic path to internal and external cloud services
 - Virtual services
 - Basic virtual network infrastructure
- Compare & contrast collapsed core and three-tier architecture
- Compare & contrast network topologies
 - Star, Mesh, Hybrid
- Select the appropriate cabling type (Straight & Cross)
- Apply troubleshooting methodologies to resolve problems
 - Perform and document fault isolation
 - Resolve or escalate
 - Verify & monitor resolution
- Configure, verify & troubleshoot IPv4 addressing & subnetting
- Compare & contrast IPv4 address types
 - Unicast, Broadcast, Multicast
- Describe the need for private IPv4 addressing
- Identify IPv6 addressing to use in LAN / WAN environment
- Configure, verify & troubleshoot IPv6 addressing
- Configure & verify IPv6 Stateless Address Auto Configuration
- Compare & contrast IPv6 address types
- Global unicast, Unique local, Link local, Multicast, Modified EUI 64, Auto-configuration, Anycast

SYLLABUS

2. LAN SWITCHING TECHNOLOGIES

Describe & verify switching concepts

MAC learning & aging, Frame switching, Frame flooding, MAC address table

- Interpret Ethernet frame format
- Troubleshoot interface & cable issues (collisions, errors, duplex, speed)
- Configure, verify, and troubleshoot VLANs (normal/extended range) spanning multiple switches

Access ports (data4 & voice), Default VLAN

- Configure, verify, and troubleshoot interswitch connectivity
 - Trunk ports, Add & remove VLANs on a trunk
 - DTP, VTP (v14&v2), and 802.1Q Native VLAN
- Configure, verify, & troubleshoot STP protocols
 - STP mode (PVST+ and RPVST+), STP root bridge selection
- Configure, verify & troubleshoot STP related optional features
 - PortFast, BPDU guard
- Configure & verify Layer 2 protocols
 - Cisco Discovery Protocol, LLDP
- Configure, verify, & troubleshoot (Layer 2/Layer 3) Ether Channel
 - Static, PAGP, LACP
- Describe the benefits of switch stacking & chassis aggregation

3. ROUTING TECHNOLOGIES

- Describe the routing concepts

Packet handling along the path through a network

Forwarding decision based on route lookup

Frame rewrite

- Interpret the components of a routing table

Prefix, Network mask, Next hop, Routing protocol code

Administrative distance, Metric

Gateway of last resort & Admin distance

SYLLABUS

- Configure, verify, & troubleshoot inter-VLAN routing
Router on a stick & SVI*
- *Compare & contrast static routing & dynamic routing*
 - *Compare & contrast distance vector and link state routing protocols*
 - *Compare & contrast interior and exterior routing protocols*
 - *Configure, verify & troubleshoot IPv4 and IPv6 static routing*
Default route, Network route, Host route, Floating static
 - *Configure, verify & troubleshoot single area & multi-area OSPFv2 for IPv4 & IPv6 (excluding authentication, filtering, annual summarization, redistribution, stub, virtual-link, and LSAs)*
 - *Configure, verify & troubleshoot EIGRP for IPv4 & IPv6 (excluding authentication, filtering, manual summarization, redistribution, stub)*
 - *Configure, verify, and troubleshoot RIPv2 for IPv4 (excluding authentication, filtering, manual summarization, redistribution)*
 - *Troubleshoot basic Layer 3 end-to-end connectivity issues*

4. WAN TECHNOLOGIES

- Configure & verify PPP on WAN interfaces using local authentication*
- *Configure, verify, & troubleshoot PPPoE client-side interfaces using local authentication*
 - *Configure, verify, & troubleshoot GRE tunnel connectivity*
 - *Describe WAN access connectivity options*
 - *Configure and verify single-homed branch connectivity using eBGP IPv4 (limited to peering and route advertisement using Network command only)*

SYLLABUS

5. INFRASTRUCTURE SERVICES

- *Describe DNS lookup operation*
- *Troubleshoot client connectivity issues involving DNS*
- *Configure and verify DHCP on a router (excluding static reservations)*

Server, Relay, Client, TFTP, DNS, & gateway options

- *Troubleshoot client- and router-based DHCP connectivity issues*
- *Configure, verify, and troubleshoot basic HSRP*
 - Using CDP or LLDP for device discovery*
 - Licensing, Logging, Time zone4 & Loopback*
- *Configure and verify initial device configuration*
- *Perform device maintenance*

Other Courses we offer

- Computer Networking
- Windows Operating System
- Computer Hardware
- AWS Cloud
- CCNA
- CCNP
- Ethical Hacking
- edhat Certified Solutions Associate
- Microsoft Azure Administrtror
- Microsoft Certified Solution Associate
- Automation with Python & Powershell

and much more

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