




ICNT ACADEMY PVT.LTD

(Established under Ministry of MSME, Govt. of India)

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 Icntacademy

 Icnt gyan

 Icnt Academy

- ✓ Certificate provided
- ✓ Recordings Provided
- ✓ Classes In Hindi/English
- ✓ Expert Trainers

Website: www.icntacademy.in

Desktop Support Engineer

Advanced Diploma in Cloud Hardware Network Engineer:

- ❖ Hardware
- ❖ CCNA
- ❖ MCSA (Active Directory)
- ❖ Linux Basic to Advance
- ❖ Office 365
- ❖ Q & A

Hardware:

- Internal Part Of Computer
- Mother Bord
- Microprocessor
- Memory
- Storage (HDD/SSD)
- BIOS (Basic Input Output System)
- Operating System
- Windows Installation
- Linux Installation
- Windows Tools (Control Panel)
- User Profile
- CMD



CCNA (Cisco Certified Network Associate)

- ✓ **1.** Networking Fundamentals
- ✓ **2.** IPv4 Addressing
 - ✓ **a.** Public IP
 - ✓ **b.** Private IP
 - ✓ **c.** Static IP / Dynamic IP
- ✓ **3.** IPv6 (Full Dateless)
- ✓ **4.** Subnetting
- ✓ **5.** VLAN (virtual local area network)
- ✓ **6.** VLAN (Lab)
 - I. Access Link
 - II. Trunk Link
 - III. Nativ Link
 - IV. Default Link

- ✓ **7.** WLC (wireless LAN Controller)
- ✓ **8.** Switching Protocols
- ✓ **9.** Routing Protocols
 - I. RIP
 - II. OSPF
 - III. EIGRP

- ✓ **10.** NAT (network address translation)
- ✓ **11.** ACL (Access Control List)
- 12.** IOS Installation
- 13.** IOS Backup
- ✓ **14.** SDN
- ✓ **15.** L2 Security
 - a.** DHCP Shopping
 - b.** ARP Inspection
 - c.** Port Security



Windows Server 2022 (Active Directory)

1. Introduction of Windows Server 2022
2. Introduction of Active Directory (ADDS)
3. Overview of forest & Domain
4. Managing & Configuring DHCP
5. File server Resource manager (FSRM)
 - File quotas
 - File screening
6. Distributed file system
 - DFS name space
7. Configuring and Managing (Hyper-V)
10. Planning to Manage Disk Management (RAID)
(Basic Disk & Dynamic Disk)
11. Managing Windows Server Backup & Recovery
 - Files & Folder Backup
 - Shadow copy
12. Configuring Remote Desktop Server (RDS)
13. Routing Remote Access Server (RRAS)
14. Managing Drive Encryption (Bit Locker)
15. Configuring Print Management
16. NIC Teaming
17. Configuring Additional Domain Controller (ADC)
18. Configuring Child Domain Controller (CDC)
19. Configuring Read Only Domain Controller (RODC)
20. Delegation Authority (RSTA)
21. Introduction of Domain Naming System (DNS)
22. Managing and Configure (DNS)
23. Managing Windows Server Monitoring Tools
(event logs)
24. Introduction to Iscsi initiator (storage)
25. Flexible Single Master Operation (FSMO)
26. IP Addressing (ipv4)
27. Group Policy Management (GPO)
28. Introduction of Network Load Balancing (NLB)
29. Introduction of Failover Clustering
30. Introduction of Active Directory Additional Roles

(ADCS, ADFS, ADLDS, ADRMS)

(Linux Basic To Advance)

- 1) Get started with Linux
- 2) Access the command line
- 3) Manage files from the command line
- 4) Get help in Linux
- 5) Create, view, and edit text files
- 6) Manage local users and groups
- 7) Control access to files
- 8) Monitor and manage Linux processes
- 9) Control services and daemons
- 10) Configure and secure SSH
- 11) Analyze and store logs
- 12) Manage networking
- 13) Archive and transfer files
- 14) Install and update software
- 15) Access Linux files systems
- 16) Analyze servers and get support

- 17) Comprehensive review
- 18) Improve command line productivity
- 19) Schedule future tasks
- 20) Tune system performance
- 21) Control access to files with ACLs
- 22) Manage SELinux security
- 23) Maintain basic storage
- 24) Manage logical volumes
- 25) Implement advanced storage features
- 26) Access network-attached storage
- 27) Control the boot process
- 28) Manage network security
- 29) Install Linux

Office 365

KEY HIGHLIGHTS OF THIS TRAINING PROGRAM:

- ✓ Entire training program me is in Hindi Language for Better understanding.
- ✓ Special focus on Non-technical and Fresher candidates.
- ✓ Resume Preparation for Fresher's and Experienced Both.
- ✓ Provides Recording of each live session which you can access from anywhere anytime for One year.
- ✓ Interview Cracking tips during live sessions.
- ✓ Provide complete notes and books for exam Preparation.
- ✓ Provide Latest Azure Exam dumps for AZ-104 Certification.

AWS Solution Architect-Associate (AWS SAA-C03)

Course Content:

Introduction to Cloud Computing (Theory)

1. Core Elements of Cloud Architecture

1. Crux of Virtualization
2. Key Concepts of Virtualization
3. Basics of Networking
4. Basics of Servers and Server OS

2. Fundamental Pillars of Cloud Computing

1. Private Cloud
2. Public Cloud
3. Private Cloud vs. Public Cloud
4. Brief Introduction of Infrastructure as a Service (IaaS)
5. Brief Introduction of Platform as a Service (PaaS)
6. Brief Introduction of Software as a Service (SaaS)

Compute Lab

1. Create a EC2 windows machine and validate the accessibility.
2. Create a EC2 linux machine and validate the accessibility.
3. Extend disk drives in EC2 for windows and for 30GB and validate.
4. Create a AMI and test the AMI.
5. Create a snapshot for EC2 instance and terminate the instance and do the restoration.
6. Move the snapshot from one region to another region.
7. Enable termination protection and validate the EC2 by deleting the machine.
8. Configure EC2 linux machine and install apache configuration.
9. Upgrade EC2 memory and storage.
10. How to automate EC2 Backup using Lifecycle Manager.
11. EC2 Creation Using Placement Groups.
12. Creating EC2 using AWS CLI.
13. How to Upgrade or change instance type in stopped state.

Networking Lab

1. Create a VPC, create a subnet, create internet gateway and routing table.
2. Configure elastic IP and assign this to instance and test the connectivity.
3. Configure a public subnet and private subnet and configure NAT Gateway and test the internet traffic for private network.
4. Configure VPC to VPC Peering in Same Region and VPC to VPC in different Region Connectivity Test.

5. How to Configure Network access Control List and Set priorities.
6. Creating VPC using AWS CLI.

Storage Lab

1. Create a S3 bucket and put some data and try to access.
2. Create S3 bucket enable versioning and test for deleting the files and restoring through it.
3. Managing S3 using aws cli.
4. Managing S3 Bucket Policies for granular access.
5. S3 Access logs and Transfer Acceleration.
6. Configure Life cycle from S3 to glacier.
7. How to create Presign URL for S3 Object.
8. EBS types and its demo.
9. Create S3 Glacier and upload some data on it.
10. Create EFS and mount to linux machine

Databases Lab

11. Configure My SQL and Test
12. Configure Dynamo DB and Test
13. RDS Import and Export

Load Balancer Lab

1. Create a EC2 two windows machines and install IIS and host a HTML File and check the website connectivity.
2. Create a EC2 two linux machine and install apache and host HTML File and check the website.
3. Create a application load balancer and test.
4. Create a Network load balancer and test the load balancing.
5. How to Establish a Load Balancer Between Two VPC.

Route 53 Lab

1. If you have a domain purchased in godaddy or any provider then create a hosted zone in route 53 and create a record in route 53.
2. Create a S3 Bucket and host a Static website using Route 53.
3. Configure alias creation in route 53.

Security Lab

1. Configure IAM users and validate the connectivity from dashboard.
2. Configure policy and attach policy to users.
3. Configure groups and assign permission to groups.
4. Configure different permissions to different users and do the testing.
5. Configure google authenticator in mobile and validate multifactor authentication

Cloudwatch Lab

1. How to setup alarm in Cloudwatch for different Metrics.
2. How to Configure Cloudwatch Events.
3. How to check RAM utilization of a Server using Cloudwatch.

Cloudfront

1. Create a sample page and configure cloudfront distribution.
2. Configure GEO restrictions in cloudfront.

Advanced Topics with Labs :-

- *Elastic Beanstalk*
- *AWS Lightsail*
- *Elastic Container Service*
- *Cloudtrail*
- *SNS Service*
- *Cloudformation*
- *Lambda*
- *AWS KMS*
- *Transit Gateway*
- *Snowball*

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Outlook

- ✓ What is Outlook
- ✓ Outlook Configuration
- ✓ Outlook Troubleshoot

Q&A