


Course Name	Cisco Certified Network Professional (CCNP) Data Center	
About the Course	Certify your know-how to implement core data center technologies including network, compute, storage, automation, and security	
Key Skills You Will Learn	The Cisco Certified Network Professional (CCNP) Data Center certification teaches a range of skills related to data center installation, configuration, and maintenance. These skills include: Networking concepts, Data center security, Data center automation, Unified computing, Troubleshooting, System management	
Course Pre-Requisite	To pursue the Cisco Certified Networking Professional (CCNP) Data Center certification, you should have the following knowledge and skills: Cisco CCNA Data Center certification, Data center fundamentals, Storage and virtualization, Ethernet and TCP/IP networking, SANs, Fibre Channel protocol, Cisco Data Center Nexus and Cisco MDS families, Cisco Enterprise Data Center architecture, Server system design and architecture, Hypervisor technologies	
Target Audience	New or aspiring network engineers, Experienced network engineers, IT professionals who want to Broaden their networking skills, Pursue professional-level jobs in the ICT industry, Fulfill prerequisites to pursue other CCNP or CCIE certifications, Qualify for more advanced exams, Expand their professional network,	
Job prospects with this role	Data Center Network Engineer, Data Center Architect, Network Design Engineer, DC Support Engineer, Cisco Data center Implementation Engineer,	
Course Duration	~ 70 Hrs	
Course Customisation	Not applicable	
Certification	READYBELL CCNP Data Center Certificate	
Mode of Training	Instructor-led 100% Online or 100% Classroom (Salt Lake, Kolkata - India) or hybrid mode (Online + Classroom) as suitable for the learner	
Course Fees	Please contact us	
Refund Policy	Get a 3-hours free trial during which you can cancel at no penalty. After that, we don't give refunds	
Job Assistance	Will assist candidate in securing a suitable job	
Contact	READYBELL SOFTWARE SERVICES PVT. LIMITED AH 12, SALT LAKE SECTOR 2, KOLKATA (INDIA) - 700 091 E-MAIL: contact@readybellsoftware.com PH: +91 - 9147708045/9674552097, +91 - 33-79642872	

CURRICULUM		
Topic	Sub-Topic	Duration (Hrs)
Cisco Certified Network Professional (CCNP) Data Center	Module 1: Implementing Cisco Data Center Infrastructure (DCII) 6.0	70 Hrs
	Configuring MST, port channels and RSTP, and implementing OTV, Cisco Fabric Path, LISP and VXLAN.	
	Configuring routing, multicast and first-hop redundancy in the data center.	
	Configuring user management & implementing system security features on Cisco Nexus switches.	
	Implementing Fibre Channel port security and binding, managing Fibre Channel domains and performing basic Fibre Channel configuration.	
	Configuring FCoE, distributed device aliases, FCIP, NPV, and zoning.	
	Configuring system management & infrastructure monitoring.	
	Module 2: Implementing Cisco Data Center Unified Computing (DCUCI) v6.0	
	Installing UCS B-Series system and deploying service profiles making use of service profile templates and pooled identities.	
	Configuring UCS B-Series system for the purpose of deployments making use of iSCSI. Configuring B- & C-Series systems for the purpose of deployments making use of Fibre Channel for booting and regular data access.	
	Configuring and implementing security mechanisms like LDAP integration, RBAC with Organizations and Locales, key rings and trusted points.	
	Implement and configure monitoring with Call Home and syslog.	
	Managing UCS Manager domains with UCS Central, interact with the UCS Manager XML API and manage multiple C-Series servers with Cisco IMC Supervisor	
	Module 3: Implementing Cisco Data Center Virtualization and Automation (DCVAI) v6.0	
	Implementing infrastructure virtualization solutions, such as VRFs, VDC, Cisco AVS and Cisco Nexus 1000v.	
	Identifying programmability methods and programming Cisco Nexus switches using NX-API, XML, and Python.	
	Implementing Cisco ACI solution which provides fabric connectivity to virtual machines, bare-metal hosts, and external L2 & L3 domains.	
	Integrating Cisco ACI with virtual machine managers, like VMware vCenter.	
	Enforcing application policies in inter- and intra-tenant scenarios.	
	Deploy micro-segmentation and Cisco AVS.	
Programming Cisco ACI using RESTful APIs, Ansible and Python.		
Monitoring Cisco ACI deployment making use of atomic counters & monitoring tools.		

	Module 4: Troubleshooting Cisco Data Center Infrastructure (DCIT) v6.0	
	Troubleshooting L2 technologies, like port channels, STP, vPC, FEX and Cisco Fabric Path.	
	Troubleshooting routing, CFS and first-hop redundancy in the data center.	
	Troubleshooting virtualization solutions, like VRF, VXLAN and OTV.	
	Troubleshooting SAN including FCoE, Fibre Channel, NPV, NPIV and zoning.	
	Troubleshooting data center unified computing	
To register for this course please e-mail/call us		