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Course Name	Designing QoS for IP and MPLS Networks
About the Course	This course will teach you how to develop network Quality of Service (QoS) designs across a variety of environments
Key Skills You Will Learn	Developing QoS designs is the first step in building an equitable IT infrastructure that gives each application the treatment it requires, based on a company's unique requirements. In this course, Designing QoS for IP and MPLS Networks, you'll learn about the broad QoS strategies that exist for solving this complex problem. First, you'll compare IntServ and DiffServ, and learn why only one of them is commonly deployed today. Next, you'll discover the breadth and depth of the DiffServ toolset, including classification and marking, queuing and scheduling, and traffic conditioning. Finally, you'll learn how to leverage those DiffServ tools to develop vendor-neutral QoS designs in campus, Internet edge, Wide Area Network (WAN), and Multi-Protocol Label Switching (MPLS) carrier environments
Course Pre-Requisite	Some prerequisites for MPLS-QoS training include: Configuring a switch as an MPLS provider, Understanding IGPs, Understanding tunneling techniques, Understanding BGP, Intermediate to advanced knowledge of Cisco IOS Software configuration, Configuring and troubleshooting EIGRP, OSPF, IS-IS, and BGP
Target Audience	Network administrators, Service providers,
Job prospects with this role	Mpls Network jobs
Course Duration	~ 7 Hrs
Course Customisation	Not applicable
Certification	READYBELL Designing QoS for IP and MPLS Networks 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	No refund
Job Assistance	Not applicable
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**

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CURRICULUM		
Topic	**Sub-Topic**	**Duration (Hrs)**
Designing QoS for IP and MPLS Networks	Module 1: Course Overview	7 Hrs
	Module 2: Understanding QoS Strategies	
	Course Introduction, Prerequisites, and Business Scenario	
	Fine-grained, Flow-based QoS Using IntServ	
	Stateless and Scalable QoS Using DiffServ	
	Mapping Common Applications to DSCP Values	
	The DiffServ Vision; Everything Working Together	
	Demo: Free DiffServ Resources	
	Module 3: Utilizing the DiffServ Toolkit	
	Classification and Marking Best Practices	
	Reserving Bandwidth for Applications with Queuing	
	Optimizing TCP Performance with AQM Techniques	
	Ensuring Traffic Compliance with Policers	
	Smoothing Bursty Transmission with Shapers	
	Exploring a Generic QoS Policy and Common Alternatives	
	Module 4: Developing QoS Designs	
	How Do the "Scenarios" Work?	
	Scenario 1: Classification, Marking, and Queuing in the Campus	
	Scenario 1: Analysis and Solution	
	Data Center QoS Design Caveats	
	Scenario 2: Granular Queuing at the Internet Edge	
	Scenario 2: Analysis and Solution	
	Scenario 3: WAN QoS with Integrated Shapers	
	Scenario 3: Analysis and Solution	
	Remarking Between QoS Trust Boundaries	
	Exploring Common MPLS QoS Models	
	Scenario 4: MPLS Edge Policing and Core Queuing Design	
	Scenario 4: Analysis and Solution	
To register for this course please e-mail/call us		