

Frame Relay Fundamentals

Course Length	One (1) day
Course Code	1320
Course Title:	Frame Relay Fundamentals
Prerequisites	None, however an Introduction to Data technologies course is extremely helpful.
Course Overview:	This course gives an overview of Frame Relay technology and standards. All Frame Relay equipment interfaces and service parameters are also discussed.

*This course can be customized or combined to meet specific system requirements

*An additional second day can be added for extensive hands-on applications

Course Outline

Industry Overview

- Trends
- Drivers

Packet-Based Technologies

- Overview
- Drivers
- Market
- Comparison to other technologies

OSI Model

- Purposes
- Layers
- LAN vs. WAN
- Packets, Frames, and Cells
- Addressing/Routing
- Point-to-Point and Layer 2



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Frame Relay Fundamentals

Frame Relay Overview

- Market
- Advantages
- Comparison to other technologies

Frame Relay Applications

Frame Relay Basics

- Frame format
- Interfaces
- Addressing (DLCI)
- Dealing with Congestion
- Link Management (LMI)
- Frame Relay Equipment
- Frame Relay Networks

Service Parameters

- CIR
- Bc
- Be
- Service Level Agreements (SLA)

Frame Relay Maintenance

- Testing concepts
- Common Problems
- Physical Layer Testing
- Verifying LMI
- In Service Monitoring
- Out-of-Service Testing
- Percent of reliability