

# Introduction to Frame Relay



**NetForce Solutions, Inc.**  
17281 Simmons Road  
Purcellville, VA 20132

**phone** (540) 338-5824  
**fax** (509) 757-1661

info@netforcesolutions.com

**www.netforcesolutions.com**

<b>Course Length</b>	One (1) day
<b>Course Code</b>	NFSFR1
<b>Course Title:</b>	Frame Relay Fundamentals
<b>Prerequisites</b>	None, however an Introduction to Data technologies course is extremely helpful.
<b>Course Overview:</b>	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

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## 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 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