

# ML350: IN-DEPTH FIBRE CHANNEL ANALYSIS



ML350 (formerly ML325) focuses on low-level debugging of the Fibre Channel protocol. It is designed for individuals, such as Q/A Engineers and Development Engineers, who already have a thorough understanding of Fibre Channel protocol and who wish to improve their understanding of protocol-level errors and device interoperability issues .

## COURSE OBJECTIVE

Students practice hands-on identification and troubleshooting of protocol-level errors commonly found in a Fibre Channel environment.

## COURSE FORMAT

This course focuses mainly on live labs run with the Xgig Protocol Analyzer and Jammer. In addition to the set lab curriculum, students will have the opportunity to tailor lab activities to the types of protocol events they wish to see.

## COURSE CONTENT

Analyzer Overview  
Fibre Channel Initialization Review  
Initialization Errors  
Loop Initialization Debug  
Fabric Initialization Debug  
Point-to-Point Initialization Debug  
ABTS

Error Detection & Recovery  
Disk Errors  
FCP-2 (Tape) Error Recovery  
Errors Through Switches  
Flow Control & Performance  
Advanced Analyzer/Jammer Usage  
Inter-Switch Link Issues

## ANALYZER EXPERIENCE

Traces will be taken and analyzed using the latest Finisar Xgig<sup>®</sup> Trace Control, Trace Viewer and Expert software.

## PREREQUISITES

This is an advanced debugging course; students are expected to have a thorough understanding of Fibre Channel protocol.

## COURSE LENGTH

3 days.