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Developing Applications with DynamicTMN

An Introduction to Application Development
using the DynamicTMN Toolkit

Course Overview

- Section 1: Overview of DynamicTMN
 - What is DynamicTMN ?
 - DynamicTMN Architecture
 - Summary

- Section 2: Overview of ISO Network Management
 - What is Network Management ?
 - Network Management Model
 - What is ISO Network Management ?
 - Information Syntax (ASN.1)
 - Information Model (GDMO)
 - Management Service (CMIS)
 - Management Protocol (CMIP)
 - Standard Components
 - Summary
 - Example Definitions

Course Overview (cont.)

- **Section 3: Metadata**
 - What is Metadata ?
 - The DynamicTMN Metadata Generator
 - The DynamicTMN Metadata Agent
 - Summary
 - Exercise

- **Section 4: Introduction to DynamicTMN Application Development**
 - Application Architecture
 - Component Overview
 - Example Application
 - Summary
 - Exercise

- **Section 5: Getting Started With DynamicTMN**
 - Object Identifier String Format
 - Object Id Classes
 - Object Instances
 - Application Initialization
 - Framework Properties
 - Support Classes

Course Overview (cont.)

- **Section 6: The MOHandle Class**
 - What is an MOHandle ?
 - MOHandle structural components
 - Construction and Initialization
 - Basic Functionality
 - Example
 - Summary
 - Exercise

- **Section 7: MOHCollections**
 - What is an MOHCollection ?
 - MOHCollection Components
 - The MOHCollectionByRule Class
 - Scope and Filter Specification
 - Performing Operations
 - MOHCollectionEnum
 - Example
 - Summary
 - Exercise

Course Overview (cont.)

- **Section 8: The DynamicTMN Event Model**
 - DynamicTMN Event Types
 - Event Listeners
 - Base Event Classes
 - MOHandleEvent/Adapter/Listener
 - MOHCollectionEvent/Adapter/Listener
 - Other API Events
 - Example
 - Summary
 - Exercise

- **Section 9: ASN.1 Types and Value Notation**
 - Introduction
 - » ASN.1 Types
 - » ASN.1 Values
 - » ASN.1 Value Notation
 - » Basic Encoding Rules

Course Overview (cont.)

- **Section 10: ASN.1 Values & AbstractData Classes**
 - What are AbstractData classes ?
 - Class Descriptions
 - » Method Descriptions
 - » Example Usage
 - When to use AbstractData Classes
 - Working with the base AbstractData class
 - Example
 - Summary
 - Exercise