

TechnocratsDomain is a software consulting/training service provider specializing in EDI, EAI, and ETL projects. We excel in providing Mercator/DataStage TX/WTX consulting and training services in US/India/UK/Canada since 1999. We have a suite of tools for assisting Mercator/DataStage TX/WTX analyst/developers and WTX Managers. We've provided EAI/EDI/ERP/SWIFT/HIPAA training, development and support for many clients including:

Accenture Consulting
Affiliated Computer Sciences - Health
Bell South
Blue Cross Blue Shield – Health
Catholic Health East – Health
CHEP Logistics
CSX Rail Road
GT Nexus
Home Depot
Principal Financial Group
Span Systems
Praxair Inc
UPS Logistics

Technocrats Domain Inc provides 3 levels of training: **Level 1, Level 2 and Level 3**

Level 1 Oriented for first time users of Mercator/DataStage TX/WTX

Level 2 Oriented for people who are skilled at using Mercator/DataStage TX/WTX Design Studio and would like to use the tool in conjunction with EDI, MQ, DB, and other adapters.

Level 3 Performance (Advanced) tuning of the Trees, Maps and Configuration/Environment. Installation of WTX EventServer/Launcher - Unix/z-OS/Windows environment.

Technocrats Domain Inc Level 1 Training:

Mercator/Datastage TX/WTX–Level 1 (Fundamentals): Overview of the details covered in the training session:

Day 1-3 Activities

- Introduction
 - EAI, EDI, Data Transformation
 - File Types - Proprietary Files, EDI, XML, EDIFACT
 - How WTX/DataStage TX/Mercator can be used in EAI, and EDI environments
 - Comparison of WTX over other EAI/EDI tools like WebMethods, Gentran

- Type Designer
 - Type Tree Creation by the Instructor
 - Class and Subclass for Items and Groups
 - Using Partitions, Choice, Sequence Groups
 - Setting Restriction lists, Identifiers, and Sized Attributes
 - Class will create a Type Tree
 - Using Importers including XML DTD/Schema, Cobol Copybook
 - Component Rules and Control Break Logic
 - Analyzing and Debugging Type Trees
 - Class, led by the Instructor, will enhance the created Type Tree
 - Using Restart attribute in conjunction with Reject
 - Question and Answer Session

- Map Designer
 - Map Creation by the Instructor
 - Map Source File and Maps
 - Introduction to Indexing, and other Map Designer Concepts
 - Functional Maps
 - Class led by the Instructor, will create a Map using the newly created type tree
 - Workflow/Control and Run Maps
 - Mercator Functions - Run, EchoIn, HandleIn, Substitute, Put, Get
 - Error Handling Functions: Reject-Restart, Valid, FAIL, LastErrorCode, LastErrorMsg, OnError
 - Map Settings - Audit Logs, Trace, Page Settings, File/Memory, Backups
 - Map settings for Single thread and Multi-thread mode
 - Analyzing the trace files. Mechanism to cut short the trace files
 - Class led by the Instructor, will create Maps using the enhanced type tree
 - Troubleshooting Mechanisms in WTX
 - Question and Answer Session
 - Information on usage of MQ, FTP, Email, HTTP, and DB Adapters

- Integration Flow Designer
 - Instructor creates MSD and MSL files
 - Deploy mechanism to various operating system (Unix/Linux/MVS/Windows) from Windows platform
 - Set up of Events/Triggers- Event (File/MQ/etc) and Time based
 - Creation of deployment Scripts
 - Deploying Additional Files and setting up maps to run in a multithreaded fashion
 - Class led by the Instructor, will create an MSD/MSL from the Map

- Resource Registry
 - Where and when to use the Resource Registry Variables
 - Creation of MRC and MRN files led by the instructor
 - Configuring MRN files names in the MRC file including EventServer, Command Server, Global
 - Porting MRN and MRC to the Unix Environments
 - Class, led by the Instructor, will create a MRN and include in the Map Designer

- New in 8.0/8.1
 - Advantages of the new release
 - New Functions
 - Use of WTX Profiler, Debugger, Remote Debugger
 - Use of WTX Page Settings and Configuration options for better performance
 - Setting up MSL's for Production Event Servers/Launchers

- Class Exercises and Assignments
 - Class and Instructor will create 6 Type Trees and 5 Maps
 - Class will create an MSD/MSL and Deploy using the IFD
 - Class will create MRC/MRN Resource Files
 - 3 Assignments
 - Solutions for Class Examples and Assignments
 - Documenting and Version Control of the Maps

Mercator/Datastage TX/WTX–Level 2: Overview of few details that would be covered in the 1-day session for each topic below:

- **Triggering and Running Maps using EventServer/Launcher – 1 day**
 - Advantages of running in EventServer/Launcher environment
 - Configuration options in MSD for running in EventServer
 - Mercator.ini or dstx.ini overview
 - Running maps in ES or Launcher mode – File and Time Trigger
 - Monitoring Production environment using Management Console
 - Debugging facilities using Management Console
 - Log/trace information of launcher in launcher.txt or compound system files
 - Question and Answer Session

- **WTX-EDI Mapping - 1 day**
 - What is EDI and where is it used?
 - Difference between a paper orders and EDI order
 - EDI terminology
 - EDI Looping Structure Pertaining to Mercator
 - EDI Check List
 - Create Inbound and Outbound EDI specific trees from the standard trees
 - Inbound and Outbound EDI Mapping with Mercator – 850, 810, 824, or Client Specific Transaction such as 110, 210, etc
 - Testing tools for EDI
 - EDI file Creation
 - Question and Answer Session

- **WTX-HIPAA Mapping – 1 day**
 - What is HIPAA and why is it used?
 - Difference between EDI and HIPAA
 - HIPAA Certification and Check List
 - HIPAA Looping Structure Pertaining to Mercator
 - HIPAA Implementation Guides
 - HIPAA Mapping with Mercator – 271, 837P, or Client Specific Transactions
 - HIPAA features and HIPAA testing
 - Tools Related to EDI file Creation
 - Question and Answer Session

- **WTX – Partner/Commerce Manager – 1 day**
 - Creation of Inbound/Outbound Post Offices
 - Creation of Trade Links
 - Generation of TSV files
 - Debugging of failed X12 transactions
 - Use of Purge and other Utilities
 - Running Sample EDI Inbound and Outbound Transactions
 - Reporting facilities in Commerce Manager
 - Information on various maps/systems in Message Manager
 - Question and Answer Session

- Mercator/DataStage TX/WTX Mapping with MQ - 1 day
 - When to use MQ versus files
 - WTX – IBM MQ Client and MQ Server Adapter
 - MQ Type Tree
 - MQ Header Details – CID, MSGID, APPID, Persistence, etc
 - WTX – MQ options for example: -QTY, -CMSG, -REFRESH
 - WTX – MQ Inbound Messages
 - WTX – MQ Outbound Messages
 - WTX – MQ Trace File and Errors
 - Question and Answer Session

- Mercator/DataStage TX/WTX - Database Designer – 1 day
 - Instructor creates an MDQ file
 - Creation of Type Trees using the MDQ – Query, Table, Stored Procedure
 - Using DB as Input and Output in the Map Designer
 - Setting Update keys
 - Passing Dynamic Data to the Query File
 - Invoking Stored Procedure from WTX
 - Trace Facilities
 - Create a Map using DB-MDQ accessing Access, SQL Server or Oracle/DB2 DB
 - Question and Answer Session

- New Features/Upgrade in/to 7.5 and 8.0/8.1 – 1 day
 - Upgrade process for Trees, Maps, MDQ's, MSD/MSL's
 - HandleIn and New Functions in Mercator/DataStage TX
 - New Importers & XML Importer/Utility
 - Performance Improvements
 - Map Debugger, Remote Debugger, Map Profiler
 - Multi-Process Event Servers
 - Convert a Client Specific Map from 6.5/6.7 to 7.5 or 8.0/8.1
 - Question and Answer Session

Mercator/Datastage TX–Level 3: Overview of few details that would be covered in the 1-day session for each topic below:

- Advanced Mapping Techniques and Performance Tuning Environment/Maps – 1 day
 - Partition and Unordered Groups
 - Component Rules, Control Break Logic
 - Data Audit Settings
 - Sink Adapter
 - Settings – Burst Mode, Page Settings, WorkSpace
 - Usage of HandleIn/EchoIn, Parameters to Functional Maps
 - Control/Workflow/Router and Run Maps
 - Searchup, Searchdown, Lookup, Extract
 - Error Handling Mechanism – Fail, Reject-Restart, Data Audit Settings
 - Map Debugger and Map Profiler
 - DSTX or wtx.ini settings
 - Configuration Settings in Integration Flow Designer (IFD)
 - Multi-Process Event Servers
 - Best practices/recommendations for coding (maps, type trees, and IFD)
 - Question and Answer Session

- Installation and Configuring Mercator/DataStage TX/WTX - EventServer – 1 day
 - Installation on Unix, z/OS and Windows environments
 - Config, libs, bin, ini settings
 - EventServerAdmin.sh settings
 - Scripts for Stopping and Starting the EventServers
 - Setting the ports for EventServer, HTTP – EventAgent
 - Multi-Process Event Servers
 - Applying WTX Patches
 - Running and Monitoring Maps in Unix, z/OS or Windows Environment - EventServer and Management Console
 - Snapshot Viewer, Launcher Monitor
 - Question and Answer Session

For more information or for client specific training please email wtx@tcdomain.com