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 **TechnocratsDomain**
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TechnocratsDomain is a staffing, consulting and training service provider specializing in EDI, EAI, ETL and ESB technologies. We have been providing IBM **WTX** (formerly: Mercator, DataStage TX) services in US, UK, Canada, Germany, Russia, and India since 1999. We've provided EAI, EDI, ERP, SWIFT, HIPAA training, development and support using WTX, WMB, DataPower for many clients including:

Accenture –US and India
Affiliated Computer Sciences – HIPAA
Amdocs
Bearing Point
Bell South
Blue Cross Blue Shield (TX, PR) – HIPAA
Catholic Health East
CSX Rail Road
Depository Trust & Clearing Corporation
Deutsche Bank – Russia
Home Depot
HCL Technologies
GT Nexus – US and India
Logica CMG – UK
Palmetto Health
Praxair Inc
Principal Financial Group – US and India
Span Systems – India
Trans Canada
United Health – US, India
United Rentals
Weyerhaeuser
Wipro - US

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

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

- ➔ New to WTX
- ➔ Migrating from different EAI Technology
- ➔ Pre-Requisites: Knowledge of Proprietary File Formats, Data Types

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.

- ➔ WTX with EDI/HIPAA, MQ, DB, XML
- ➔ Pre-Requisites: Knowledge of WTX Design Studio

Level 3 Performance tuning of the Trees, Maps and Configuration/Environment

- Installation of WTX EventServer/Launcher - Unix/Linux/Windows environment
- ➔ WTX Performance Tuning, Advanced Features – Debugging, Error Handling, Best Practices
- ➔ Pre-Requisites: WTX Design Studio, Map Settings, Running Maps in Command Server

WTX 8.2/8.3 –Level 1 (Fundamentals): Overview of the details covered in the training session:

3 days: Design Studio, 12 Exercises

5 days: Design Studio, 12 Exercises, Resource Registry, Integration Flow Designer

- Introduction
 - EAI, EDI, XML, Data Transformation.
 - File Types - Proprietary Files, EDI, XML, EDIFACT
 - How WTX/DataStage TX/Mercator can be used in EAI, and EDI environments
 - What are adapters, pre-built functions
 - Introduction to Eclipse

- Design Studio – Type Designer, Map Designer
 - Introduction to Design Studio
 - Creating Workspace, Extender Project
 - Type Tree Creation Process
 - Definition and Properties – Items, Groups and Categories
 - Initiators, Delimiters, Terminators, Release Characters
 - Syntax Object
 - Create Type Trees, Analyze and Debug Type Trees
 - Sequencing and Setting Ranges for Components in the Groups
 - Using Partitions, Choice, Sequence Groups
 - Setting Restriction lists, Restarts, Identifiers, and Sized Attributes
 - Using Importers including XML DTD/Schema, Cobol Copybook
 - Component Rules and Control Break
 - Type Tree Differences
 - Class led by the Instructor will create 8 Type Trees

- Map Designer
 - Map Creation Process
 - Map Files, Maps, Extensions
 - Validation Maps
 - Introduction to Functional Maps
 - Map Settings – Trace, Logs, Backup
 - WTX Functions – Date, Time, Logical, Run, EchoIn, HandleIn, Substitute
 - Error Handling Functions: Reject-Restart, Valid, FAIL, LastErrorCode, LastErrorMsg, OnError
 - Map Settings - Audit Logs, Trace, Page Settings, File/Memory, Backups
 - Setting Maps in Single thread and Multi-thread mode
 - Data Audit Settings
 - Map Debugger, Profiler
 - Usage of MQ, FTP, Email, DB, Sink Adapters
 - Class led by the Instructor will create 12 Maps

- Design Studio Settings/Preferences
 - Transformation Extender Preferences
 - Trees
 - Maps
 - Deployment

- IBM WTX Certification – Sample Quiz - TCD

- Resource Registry (RR)
 - Why use RR
 - Where and when to use the Resource Registry Variables
 - Creation of MRC and MRN files led by the instructor
 - Configuring MRN files in the MRC file for Launcher, Command Server, Global
 - Porting MRN and MRC to the Unix Environments
 - Class led by the Instructor will create a MRN, MRC to run
 - Map Designer
 - Launcher

- Integration Flow Designer (IFD)
 - Why use IFD
 - Define Servers for deployment
 - Creation of MSD and MSL files using Map Source/Executable
 - Set up of Events/Triggers- Event (File/MQ/etc) and Time based
 - Creation of deployment Scripts
 - Deploying Additional Files
 - Setting up maps to run in a Event Server/Launcher
 - IFD Settings
 - Class led by the Instructor will create an MSD/MSL and Deploy
 - Advantages and Disadvantages of using IFD for deployments
 - Configuring the Systems (MSL) in Launcher/Event Server

WTX 8.2/8.3 –Level 2: Overview of the details covered in the training session:

- WTX with Database Designer – 1 day
 - Overview of WTX Components
 - Why use DB Designer
 - Setting up DB Connections through WTX DB Designer
 - Creating Type Trees using DB Designer
 - Tables
 - Queries
 - Stored Procedures
 - Setup Update Keys
 - DBQuery, DBLookup
 - Using Resource Registry in DB Designer
 - WTX DB Designer Trace
 - Using DB Designer as Source and Target
 - Class led by the Instructor will create Map to use the MDQ
 - DB as Source
 - DB as Target

- WTX with IBM MQ – 1 day
 - Overview of WTX Components
 - IBM MQ Client, MQ Server Adapters
 - MQ Header Overview
 - Using IBM MQ Type Tree
 - MQ as Source and Target in WTX Maps
 - MQ Options with WTX (CID, MID, QTY, etc)
 - MQ Error Handling in
 - MQ Trace
 - Class led by the Instructor will create Map to run
 - MQ as Source
 - MQ as Target

- WTX with XML – 1 day
 - Overview of WTX Components
 - XML Schema and DTD
 - XML Validation Xerces vs Classic
 - Importer for XML Schema and DTD
 - Validation Enabling and Disabling in WTX
 - XML Hierarchy in WTX, WTX XML Error Debugging
 - Using XML Schema in Maps
 - Using Web Services in WTX
 - XML Utility Commands
 - Class led by the Instructor will create Map to run
 - XML as Source
 - XML as Target

WTX 8.2/8.3 –Level 3 (Advanced): Overview of the details covered in the training session:

Pre-Requisite: Since this is an advanced course students are expected to have at least 6 months of experience with WTX

- Performance Tuning of the WTX Maps and Environment – 1 ½ day
 - Overview of WTX Components
 - Data Layout and Definitions
 - Syntax Terminator and Delimiters
 - Error Handling in WTX
 - Trace, Debugging, Remote Debugger
 - Map Profiler
 - Component Rules
 - Control Break Logic
 - Partition and Unordered Groups
 - Run Map
 - Best Practices
 - Trees
 - Maps
 - Functions
 - Configuration File
 - IFD Settings
 - Best practices/recommendations for coding (maps, type trees, and IFD)
 - Running WTX – Command Server, API, Launcher, ESB
 - Class led by the Instructor, will work on 2 projects using the advanced features

- Installing and Configuring Launcher – Windows, Unix, Linux – 1 ½ day
 - Installation of WTX - Launcher in Unix/Windows environments
 - Installation of Patches, Fixed Packs, Service Packs
 - Configuring Launcher Administration, Resource Registry
 - Launcher Administration/EventServerAdmin.sh settings – users, general setup
 - Scripts for Stopping and Starting the Launcher/EventServer
 - Setting the ports for Launcher
 - Setting up user Access for Launcher – Management Console Access
 - Multi-SubSystems for Launcher
 - Running and Monitoring Maps in Unix/Windows – Management Console
 - INI file settings (threads, time outs, switching trace off, etc)
 - Debugging of Launcher

- Upgrading to WTX 8.2/8.3 – 1 day
 - Introduction to WTX Eclipse
 - WTX Workspace, and Projects
 - Design Studio – Extender Navigator, Navigator Components
 - Design Studio – Create Trees, Maps
 - Design Studio – Outline, Composition View
 - Design Studio – Logs, Profiler, Debugger
 - Linking, Exporting Type Trees across Cross Projects
 - Design Studio Preferences
 - Creating Stub, Validation Maps from Type Trees
 - Migrating Maps and Trees to 8.2/8.3
 - Deploying Maps to Unix, Linux, MVS, Windows Environment
 - Using XML Metadata/Schema as input/output instead of Type Trees
 - New WTX functions such as XML Validate, JExit
 - New WTX 8.2/8.3 Adapters
 - Support for Data Power, WSDL Importer, ODBC Drivers on UNIX
 - Class led by the Instructor will upgrade 2 Interfaces and Systems to 8.2/8.3

Note:

- ➔ All training comes with 2 weeks of email support after the class
- ➔ All TCD Clients can utilize the WTX Map Documentation utility for free
- ➔ Onsite training needs at least 3 students
- ➔ TCD does not own or provide IBM WTX software