

# Advanced Boot Camp for Developers Informatica PowerCenter 9.5.1

## Course Introduction

- Course Objectives

## Mapping Techniques – local variables

- Using local variables: self and forward references

## Mapping Techniques – Pivoting data

- Using the Normalizer transformation (level of occurs, generated keys, examples)
- Normalizing flat file outputs
- Denormalizing with unconnected Lookups
- Denormalizing with the Aggregator (conditional clause and local variables)

## Mapping techniques - self-joins

- Using a Joiner with the sorted input property

## Mapping Techniques – Lookup Transformation

- Using dynamic caching
- Pipeline lookups

## Lab: Self-join, Dynamic Lookup and Denormalizing

## Mapping Techniques – Surrogate Keys

- Using the Sequence generator transformation
- Using a trigger, GUID or update overrides

## Mapping Techniques – other

- Calling stored procedures
- Transaction Control transformation and commit points
- Transaction scope

## Advanced Parameter usage

## Mapping Templates

- Slowly changing dimension updates (type 1, 2, 3 and mixed)
- Lab: dimensional updates
- Data validation and error trapping
- Comparing the contents of two tables and extracting differences
- Building parameter files

- Lab: parameter files

#### Performance Tuning

- Understanding PowerCenter's architecture
- Getting baseline numbers
- Using performance counters
- Identifying bottlenecks
- Tuning the target and source components
- Tuning blocking transformations
- Tuning Lookup transformations
- Lab: tuning the mapping
- Tuning the session, caches and memory
- Using session partitioning
- Tuning the workflow
- Running multiple instances of the same workflow
- Running a session or a workflow on a grid
- Lab: session partitioning
- Using PushDown optimization (optional)

#### Mapping Templates

- Slowly changing dimension updates (type 1, 2, 3 and mixed)
- Lab: dimensional updates
- Data validation and error trapping
- Comparing the contents of two tables and extracting differences
- Building parameter files
- Lab: parameter files

#### Using XML (optional)

- Overview
- XML definitions
- Using XML sources and targets
- Using the XML editor
- Midstream XML transformations

#### Lab: Using XML

## Review of command line utilities

- Infacmd
- pmcmd
- pmrep