

Informatica (PowerCenter & IICS Cloud)

Duration: 3 Months (Mon–Fri, ~120 Hours)

Mode: Live Online / Classroom

Tools & Technologies: Informatica PowerCenter, IICS/IDMC, SQL

Syllabus

Week 1

- SQL Basics: DDL, DML, SELECT, WHERE
- Informatica architecture overview
- Assignment at end of week

Week 2

- SQL Aggregations: GROUP BY, HAVING
- Sources & Targets in Informatica
- Assignment at end of week

Week 3

- SQL Joins: INNER, LEFT, RIGHT, FULL
- Creating Mappings in Informatica
- Assignment at end of week

Week 4

- Transformations – Filter, Joiner, Lookup, Router
- Assignment at end of week

Week 5

- Workflows, sessions, scheduling jobs
- Assignment at end of week

Week 6

- Incremental loads & CDC
- Mock Interview 1: SQL + Informatica basics

Week 7

- Error handling & Debugging
- Assignment at end of week

Week 8

- Advanced transformations (Rank, Aggregator, Update Strategy)
- Assignment at end of week

Week 9

- Performance tuning & partitioning
- Assignment at end of week

Week 10

- Informatica Cloud (IICS)
- Assignment at end of week

Week 11

- SQL + Informatica project development
- Assignment at end of week

Week 12

- Capstone Project
- Mock Interview 2: SQL + Informatica end-to-end
- Final project presentation

Learning Outcomes

- Understand SQL queries till joins
- Work with sources, targets, and mappings in Informatica
- Use transformations and workflows
- Implement CDC and incremental loads
- Handle errors and debug Informatica jobs
- Work with Informatica Cloud (IICS)
- Deliver end-to-end ETL projects with SQL + Informatica