



Informatica Certification Training

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About the Program

Informatica training provided by IntelliPaat helps you be a master in PowerCenter ETL tool, data integration, and data warehousing, among other concepts. This Informatica course will help you clear the PowerCenter Developer Certification exam. You will also master advanced concepts such as installation and configuration, Informatica architecture, advanced Informatica transformations, and performance tuning.

About IntelliPaat

IntelliPaat is one of the leading e-learning training providers with more than 600,000 learners across 55+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.

Key Features



**42 HRS INSTRUCTOR-LED
TRAINING**



42 HRS SELF-PACED TRAINING



**60 HRS REAL-TIME
PROJECT WORK**



LIFETIME ACCESS



24/7 TECHNICAL SUPPORT



**INDUSTRY-RECOGNIZED
CERTIFICATION**



**JOB ASSISTANCE THROUGH
80+ CORPORATE TIE-UPS**



FLEXIBLE SCHEDULING

Career Support



SESSIONS WITH INDUSTRY MENTORS

Attend sessions from top industry experts and get guidance on how to boost your career growth



MOCK INTERVIEWS

Mock interviews to make you prepare for cracking interviews by top employers



GUARANTEED INTERVIEWS & JOB SUPPORT

Get interviewed by our 400+ hiring partners



RESUME PREPARATION

Get assistance in creating a world-class resume from our career services team



Why take up this course?

- The Cloud Analytics market to be worth US\$23.1 billion in the next 2 years – MarketsandMarkets
- Informatica PowerCenter is the most widely adopted ETL technology – Forrester Research

Informatica is the market leader in the ETL segment. It can work on a wide variety of datasets, varying standards, and multiple applications and systems. Thus, it is rapidly being adopted by organizations around the world, providing huge job opportunities for professionals with the right set of skills. Intellipaat's Informatica online classes will prepare you for clearing the Informatica certification exam.

Who should take up this course?

- Business Intelligence, ETL, SQL, and Database Professionals
- Project Managers
- Graduates looking to make a career in BI

Program Curriculum

Informatica Training Course Content

- **DATA WAREHOUSING & CLEANSING CONCEPTS**

What is data warehousing? Understanding the extract, transform, and load processes, data aggregation, data scrubbing, and data cleansing, and the importance of Informatica PowerCenter ETL

- **INFORMATICA INSTALLATION & CONFIGURATION**

Configuring the Informatica tool and how to install the Informatica operational administration activities and integration services

***Hands-on Exercise:** Step-by-step process for the installation of Informatica PowerCenter*

- **WORKING WITH ACTIVE & PASSIVE TRANSFORMATION**

Understanding the difference between active and passive transformations and the highlights of each transformation

- **WORKING WITH EXPRESSION TRANSFORMATION**

Learning about expression transformation and connected passive transformation to calculate value on a single row

***Hands-on Exercise:** Calculate value on a single row using connected passive transformation*

- **WORKING WITH SORTER, SEQUENCE GENERATOR, & FILTER TRANSFORMATION**

Different types of transformations such as sorter, sequence generator, and filter, the characteristics of each, and where they are used

***Hands-on Exercise:** Transform data using the filter technique, using a sequence generator, and using a sorter*

- **WORKING WITH JOINER TRANSFORMATION**

Working with joiner transformation to bring data from heterogeneous data sources

***Hands-on Exercise:** Use joiner transformation to bring data from heterogeneous data sources*

- **WORKING WITH RANKING & UNION TRANSFORMATION**

Understanding the ranking and union transformation and the characteristics and deployment

***Hands-on Exercise:** Perform ranking and union transformation*

- **SYNTAX FOR RANK & DENSE RANK**

Learn the rank and dense rank functions and the syntax of them

***Hands-on Exercise:** Perform rank and dense rank functions*

- **ROUTER TRANSFORMATION**

Understanding how router transformation works and its key features

***Hands-on Exercise:** Perform router transformation*

- **SOURCE QUALIFIER TRANSFORMATION & MAPPINGS**

Lookup transformation overview and different types of lookup transformations: connected, unconnected, dynamic, and static

***Hands-on Exercise:** Perform lookup transformations: connected, unconnected, dynamic, and static*

- **SLOWLY CHANGING DIMENSION IN INFORMATICA**

What is SCD? Processing in Xml, learn how to handle a flat file, list and define various transformations, implement 'for loop' in PowerCenter, the concepts of pushdown optimization and partitioning, constraint-based loading, and incremental aggregation

***Hands-on Exercise:** Load data from a flat file, implement 'for loop' in PowerCenter, use pushdown optimization and partitioning, do constraint-based data loading and use the incremental aggregation technique to aggregate data*

- **MAPPLET & LOADING TO MULTIPLE DESIGNERS**

Different types of designers: Mapplet and Worklet, planning a target load, loading to multiple targets, and linking property

Hands-on Exercise: Create a mapplet and a worklet, plan a target load, and load multiple targets

- **PERFORMANCE TUNING IN INFORMATICA**

Objectives of performance tuning, defining performance tuning, and learning the sequence of tuning

Hands-on Exercise: Do performance tuning by following different techniques

- **REPOSITORY MANAGER**

Managing repository, Repository Manager: the client tool, functionalities of previous versions, and important tasks in Repository Manager

Hands-on Exercise: Manage tasks in Repository Manager

- **BEST PRACTICES IN INFORMATICA**

Understanding and adopting best practices for managing repository

- **WORKFLOW INFORMATICA**

Common tasks in workflow manager, creating dependencies, and the scope of workflow monitor

Hands-on Exercise: Create a workflow with the dependencies of nodes

- **PARAMETERS & VARIABLES**

Define the variable and parameter in Informatica, parameter files and their scope, the parameter of mapping, worklet and session parameters, workflow and service variables, and basic development errors

Hands-on Exercise: Define variables and parameters in functions, use the parameter of mapping, use worklet and session parameters, and use workflow and service variables

- **ERROR HANDLING & RECOVERY IN INFORMATICA**

Session and workflow log, using debuggers, the error-handling framework in Informatica, and failover and high availability in Informatica

Hands-on Exercise: Debug development errors, read workflow logs, and use the error-handling framework

- **HIGH AVAILABILITY & FAILOVER IN INFORMATICA**

Configurations and mechanisms in recovery and checking the health of the PowerCenter environment

Hands-on Exercise: Configure recovery options and check the health of the PowerCenter environment

- **WORKING WITH DIFFERENT UTILITIES IN INFORMATICA**

Using commands: infacmd, pmrep, and infasetup and the processing of a flat file

Hands-on Exercise: Use commands: infacmd, pmrep, and infasetup

- **FLAT FILE PROCESSING (ADVANCED TRANSFORMATIONS)**

Fixed length and delimited, expression transformations: sequence numbers and dynamic targeting using transaction control

Hands-on Exercise: Perform expression transformations: sequence numbers and dynamic targeting using transaction control

- **DYNAMIC TARGETING**

Dynamic target with the use of transaction control and indirect loading

Hands-on Exercise: Use transaction control with dynamic target and indirect loading

- **WORKING WITH JAVA TRANSFORMATIONS**

Importance of Java transformations to extend PowerCenter capabilities, transforming data, and active and passive mode

Hands-on Exercise: Use Java transformations to extend PowerCenter capabilities

- **UNCONNECTED STORED PROCEDURE USAGE**

Understanding the unconnected stored procedure in Informatica, and different scenarios of unconnected stored procedure usage

Hands-on Exercise: Use the unconnected stored procedure in Informatica in different scenarios

- **ADVANCED CONCEPTS IN SCD**

Using SQL transformation (active and passive)

Hands-on Exercise: Use SQL transformation (active and passive)

- **INCREMENTAL DATA LOADING & AGGREGATION**

Understanding incremental loading and aggregation and comparison between them

Hands-on Exercise: Do incremental loading and aggregation

- **CONSTRAINT-BASED LOADING**

Working with database constraints using PowerCenter and understanding constraint-based loading and the target load order

Hands-on Exercise: Perform constraint-based loading in a given order

- **XML TRANSFORMATION & ACTIVE LOOKUP**

Various types of XML transformation in Informatica and configuring a lookup as active

Hands-on Exercise: Perform XML transformation and configure a lookup as active

- **PROFILING IN POWERCENTER**

Understanding what data profiling in Informatica is and its significance in validating content and ensuring quality and the structure of data as per business requirements

Hands-on Exercise: Create data profiling in Informatica and validate the content

- **WORKFLOW CREATION & DELETION**

Understanding workflow as a group of instructions/commands for integration services and learning how to create and delete workflow in Informatica

Hands-on Exercise: Create and delete workflow in Informatica

- **DATABASE CONNECTION**

Understanding the database connection, creating a new database connection in Informatica, and understanding various steps involved

Hands-on Exercise: Create a new database connection in Informatica

- **RELATIONAL DATABASE TABLES**

Working with relational database tables in Informatica and mapping for loading data from flat files to relational database files

Hands-on Exercise: Create mapping for loading data from flat files to relational database files

- **LINKEDIN CONNECTION**

Understanding how to deploy PowerCenter for seamless LinkedIn connectivity

Hands-on Exercise: Deploy PowerCenter for seamless LinkedIn connectivity

- **CONNECTION WITH SOURCES**

Connecting Informatica PowerCenter with various data sources like social media channels, such as Facebook, Twitter, etc.

Hands-on Exercise: Connect Informatica PowerCenter with various data sources like social media channels, such as Facebook, Twitter, etc.

- **PUSHDOWN OPTIMIZATION & PARTITIONING**

Pushdown optimization for load-balancing on the server for better performance and various types of partitioning for optimizing performance

Hands-on Exercise: Optimize using pushdown technique for load-balancing on the server for better performance and create various types of partitioning for optimizing performance

- **CACHE MANAGEMENT**

Understanding session cache, the importance of cache creation, implementing session cache, and calculating cache requirement

Hands-on Exercise: Implement cache creation and work with session cache

Project Work

Informatica Projects Covered

Admin Console

In this project, you will be expected to carry out tasks such as the creation of users, building roles, forming groups, a collaboration of users, roles, and groups, lock handling, creating sessions, workflows, and worklets.

Deploying Informatica ETL for Business Intelligence

In this project, you will have to access data from multiple sources, manage current and historic data with SCD, import source and target tables, etc., and extract the data and fetch it into staging. It will have to be pushed to the operational data store to the enterprise data warehouse and then will have to generate reports and insights.

Deploying ETL Transactions on Healthcare Data

Here, you have to systematically load data within a hospital scenario for easy access. You will be extracting data from multiple sources, cleansing the data, putting it in the right format, and loading the data into the CRDW. You will create CRDW load schedules that are on daily, weekly, and monthly basis.

Case Study 1 - Banking Products Augmentation

This case study is about improving the profits of a bank by customizing the products and adding new products based on customer needs. You will construct a multidimensional model, deploy a star-join schema, create demographic mini-dimensions, and work with Informatica aggregator transformations.

Case Study 2 - Employee Data Integration

In this case study, you will load a table with employee data using Informatica. You will carry out tasks such as creating multiple shared tables, working with the plug-and-play capability of the framework, and using code and framework reusability.

Certification

After the completion of the course, you will get a certificate from IntelliPaat.



CERTIFICATE OF COMPLETION

This certificate is awarded to

Your Name

Who has successfully completed

Course Name

Fulfilling all the requirements stipulated by IntelliPaat to achieve professional excellence.

Issued Date: Month XX, XXXX



Success Stories



Kevin K Wada

Thank you very much for your top-class service. A special mention should be made for your patience in listening to my queries and giving me a solution, which was exactly what I was looking for. I am giving you a 10 on 10!



Sampson Basoah

The Intellipaateam helped me in selecting the perfect course that suits my profile. The whole course was practically oriented, and the trainers were always ready to answer any question. I found this course to be impactful. Thank you.



Sugandha Sinha

Intellipaate's course instructors were excellent and well-versed with their concepts. The support team solved all my queries within the promised 24 hours. They explained all topics and concepts well, and the course material was updated and included videos, exercises, etc. I would highly recommend Intellipaate to those who wish to excel in the IT field.



Narasimha Prasad

The 24/7 support that comes with the Informatica training at Intellipaate is something that works exceptionally well. As soon as I registered my query, they got it resolved in record time, which surprised me positively. Keep up the good work, Intellipaate!

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